



**METRIC**  
**TECHNOLOGIES**

# Pre Qualification

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Systems Integration: Security, ELV,  
ICT, AV & Home Automation

## **Main Office Address:**

Silver Wave Tower, Office 604,  
Abu Dhabi, UAE, PO Box 3155.



+971 2 666 6587



[www.metric-tec.com](http://www.metric-tec.com)



[info@metric-tec.com](mailto:info@metric-tec.com)



## Sample Project Selection – Last 3 Years

Project Name	Client	Consultant	Scope
<b>MEDIA ZONE DEVELOPMENT, TF54</b>	ALDAR	AECOM / KBR	CCTV, Access Control, Audio-Visual, ICT & Information Technology, BGM, Intercom, Converged Networks, Infrastructure Cabling, Intercom, Gate Barriers, HVM & Bollards, Automation, ELV Systems
<b>MASDAR Parks</b>	MASDAR	PARSONS	
<b>NIBRAS AEROSPACE FACILITY</b>	MUBADALA / STRATA	AECOM / STANTEC	
<b>UAE PAVILION SAADIYAT</b>	DEPARTMENT OF CULTURE AND TOURISM	GHD	
<b>PRIVATE PROJECT</b>	CROWN PRINCE COURT	JT	
<b>GLOBAL GATEWAY DEVELOPMENT</b>	LEAD	ARCHGROUP	
<b>NOVOTEL HEALTHCARE CITY</b>	ACTION HOTELS / ACCOR	ARIK & BINTOAK	
<b>AL QALA PARKS AND FACILITIES</b>	MODON / ABU DHABI EXECUTIVE COUNCIL	ICON	
<b>NUDRA VILLA COMPLEX</b>	IMKAN	MZ ARCHITECTS	
<b>SAADIYAT INFRASTRUCTURE DEVELOPMENT</b>	ALDAR	PARSONS	
<b>ST. GOBAIN HQ</b>	ST. GOBAIN	AMAR	
<b>MAFRAQ MALL</b>	AL TAWASOUL PROPERTIES	KEO	
<b>CISC BUILDING</b>	DEPARTMENT OF ENERGY	KHATIB & ALAMI	
<b>SNOW PARK AT REEM MALL</b>	AL FARWANIYA	DEWAN / WME	
<b>GEMSTONE</b>	ADQ	LITE	

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01

# Introduction Letter

Dear Concerned,

**Subject: Company Introduction Letter/ Pre-Qualification**

My name is Ali Mourtada, and in my capacity as Managing Director, and I would like to introduce our company, **Metric Technologies LLC**, to your esteemed organization.

In short, Metric Technologies is a highly focused System Integrator, installing some of the leading brands in the fields of Security, ELV, ICT, AV, Home Automation and beyond. Our track record entails a prestigious client list spanning leading Developers and Consultants, Contractors, Government Entities and more.

In this vein, we have worked with establishments such as Mubadala, ALDAR, Media Zone Authority, Crown Prince Court, Stantec, DOE, DCT, AECOM, KBR, WME, KEO, MZ Architects, LW Architects, Mace, Dewan, Khatib & Alami, Arif & Bintook, LEAD, GHD, ADWEA, Accor Group, Rotana, Arabian Construction Company (ACC), AMANA, Voltas, Dhafir Contracting, and many more.

Our scope of work caters to large-scale commercial, industrial and residential developments.

Our company is proud of its exclusive in-house technical team, all highly trained and certified within their relevant domains. Metric enjoys a profound and extensive technical platform, and furthermore, carries all the necessary regulatory certifications from the concerned government entities, such as ADMCC (MOI), SIRA, TRA, DPS, GHQ, etc. Furthermore, our establishment is ISO and ICV certified.

Consequently - the combination of our product portfolio, engineering & technical platform, in-house execution & commissioning capabilities and regulatory certifications, place us as a highly competent institution within the said field.

It would be a pleasure to invite you to review one of our many executed projects.

We would be highly privileged and look forward to cooperating with your establishment.

With Kindest Regards,


*for Metric Technologies LLC,  
Ali Mourtada (Authorized Signatory)*



The image is a cover page for a 'Company Profile'. It features a diagonal split: the top-right portion is a solid teal color, and the bottom-left portion is a dark navy blue. The dark navy blue area contains a faint, light blue network diagram of interconnected nodes and lines. A large, semi-transparent number '022' is positioned in the center, overlapping both the dark navy blue and teal areas. The text 'Company Profile' is written in a bold, white, sans-serif font, centered horizontally and partially overlapping the dark navy blue background.

# Company Profile

# Corporate Profile

-  +971 2 666 6587
-  [www.metric-tec.com](http://www.metric-tec.com)
-  [info@metric-tec.com](mailto:info@metric-tec.com)

# Metric Technologies

Systems Integration:  
Security, ELV,  
ICT, AV & Home  
Automation.

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**At Metric Technologies, we take on the comprehensive approach of integrating leading technologies, top-tier engineering, world class products and impeccable workmanship to deliver our Systems Integration Solutions.**

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In an evolving world, we harness the value proposition created by embracing a philosophy of innovation, partnership, competence and capability. At our most fundamental level, we identify not as a standalone institution, but rather, as part of a larger ecosystem whereby our role is the delivery of Technology, Security, Sustainability and Automation solutions.

We exist to serve the pivotal role of advocating safer, smarter and more sustainable cities.

# 01 Mission Statement



## What We Do

### **Systems Integration: Security, ELV, ICT, AV & Home Automation.**

Metric Technologies is a Systems Integrator Company. Our dedicated purpose is to provide turnkey technology solutions across all institutional, governmental, commercial and residential vectors. Our solutions span Security, Low-Voltage / ELV, Audio Visual, ICT, IoT and Home Automation Solutions.

Our scope of work captures the entire continuum of System Integration Deployments –

This commences with design, runs through procurement, engineering and Installation, and terminates with execution, commissioning, and maintenance.

Headquartered in Abu Dhabi and with a branch office in Dubai, Metric Technologies serves all of the UAE. In special circumstances, Metric conducts certain business operations in the GCC and beyond.

In this regard, Metric Technologies has been recognized as a leading institution that celebrates an extensive track-record of reference projects across Governmental, Hospitality, Educational, Commercial and Residential verticals.

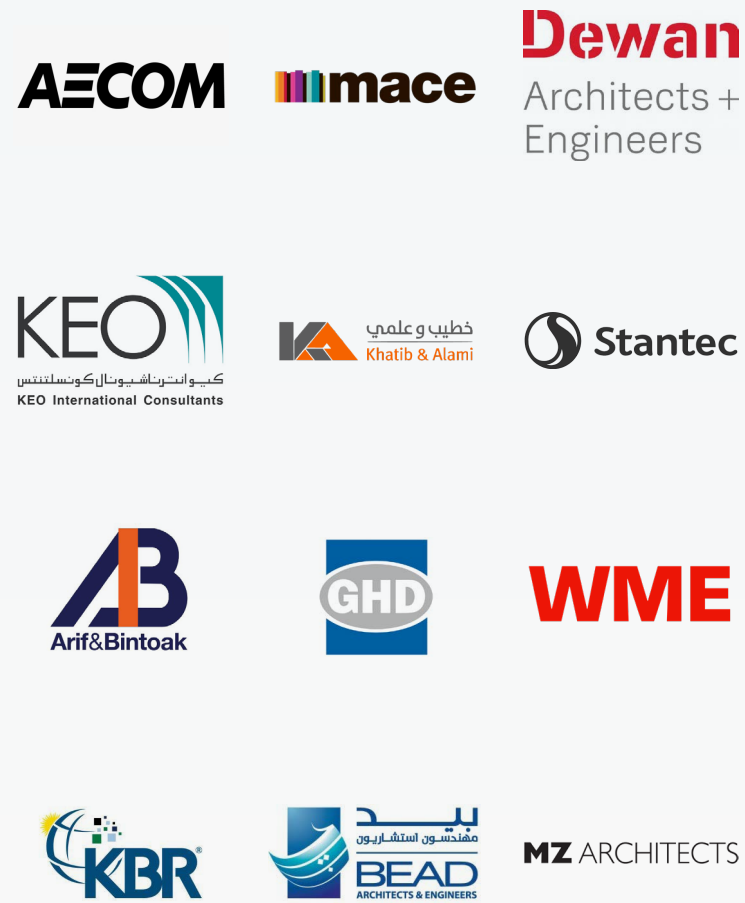


# A Selection of our clients & affiliates

## Clients



## Consultants



## Contractors





# A Selection of our clients & affiliates

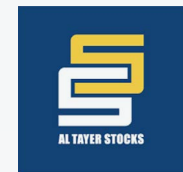
## Clients



## Consultants



## Contractors





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Metric Technologies represents a dynamic range of globally recognized, industry leading brands. Our operational ethos aims to provide our clients with functional access to this product portfolio with the objective of maximizing value to all stakeholders.

Our cornerstone philosophy is to continually develop an ecosystem of products and solutions that represent the leading innovations and optimized value propositions.

# 02

## Our Brands



# Our Brands



Bowers & Wilkins



COMMSCOPE



DELLEMC



ekinex



excel without compromise.



GRUNDIG

Hewlett Packard Enterprise

HIKVISION

Honeywell



LUTRON



pakedge



PELCO

Pioneer



QSC



SONANCE

Stewart FILMSCREEN

Televes





# Our Brands




# 03

## List Of Projects





## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>The Peninsula - Business Bay</b>	Dubai Business Bay	2024	Select Group	Select Group	Dubai Consultants	CCTV, Access Control, ICT & Information, Converged Networks, Infrastructure Cabling, Active Components
Commercial	<b>Masdar Parks PH 2</b>	Masdar City	2024	Masdar	Masdar	AECOM	CCTV, Access Control, Audio-Video, Infrastructure Cabling
Commercial	<b>Refurbishment of ATLP Center</b>	Zones Corp	2022	AD Ports	AD Ports	Bainona Engineering Consltancy	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling, IPTV, Digital Conference System, Queue Management System, Master Clock System, Active Components
Commercial	<b>Construction of Wheat Silo Expansion At Mina Zayed</b>	Mina Zayed	2022	SILAL FOOD & TECHNOLOGY LLC	SILAL FOOD & TECHNOLOGY LLC	"COSMOS-E / MH & A"	CCTV, Access Control, ICT & Information, Converged Networks, Infrastructure Cabling, Active Components
Commercial	<b>Al Qala Parks &amp; facilities</b>	Al Rawdah Abu Dhabi	2022	MODON / Abu Dhabi Executive Council	MODON / Abu Dhabi Executive Council	ICON	CCTV, Access Control, Lighting Control Systems, Audio-Video, Infrastructure Cabling, Intercom
Commercial	<b>Gemstone</b>	KIZAD	2022	ADQ	ADQ	LITE	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling, Intercom
Commercial	<b>Saadiyat Infrastructure Development</b>	Saadiyat Island	2021	ALDAR	ALDAR	Parsons	CCTV, Access Control, Infrastructure Cabling, Gate Barriers
Commercial	<b>St. Gobain HQ</b>	Masdar City	2021	St. Gobain	St. Gobain	"OBERMEYER / AMAR Golden Design"	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling, Intercom



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	Media Zone Development, TF54	Yas South	2020	ALDAR	ALDAR	AECOM/KBR	CCTV, Access Control, Audio-Video, Intercom, Gate Barriers, HVM & Bollards, Scanners, Metal Detectors, Turnstiles, ELV Systems
Commercial	Masdar Parks	Masdar City	2020	MASDAR	MASDAR	Parsons	CCTV, Access Control, Audio-Video, Infrastructure Cabling
Commercial	Al Falah Retail	Abu Dhabi	March 2020	ALDAR Properties PJSC	ALDAR Properties PJSC		Security Systems Upgrade
Commercial	Reem Mall - Snow Park	Abu Dhabi	January 2020	Al Farwaniya	Ghantoot Group	"WME Consultants / Dewan / MACE"	AV & BGM Systems
Commercial	NIBRAS Aerospace Facility	Al Ain	2019	MUBADALA / STRATA	MUBADALA / STRATA	STANTEC	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling, Intercom
Commercial	UAE Pavilion Saadiyat	Saadiyat Island	2019	DCT	DCT	GHD	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling
Commercial	Novotel Healthcare City	Dubai Healthcare City	2019	Action Hotels / ACCOR	Action Hotels / ACCOR	Arif & Bintook Consulting Architects & Engineers	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling, Intercom
Commercial	CISC Building	Mussafah	2019	Department of Energy	Department of Energy	Khatib & Alami	CCTV, Access Control, Audio-Video, ICT & Information, Converged Networks, Infrastructure Cabling, Intercom



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>Berklee School of Music / UAE Pavillion</b>	Abu Dhabi	December 2019	Depratemen of Culture and Tourism	Depratemen of Culture and Tourism	Berklee	Performance Audio Visual Systems, Show Lighting, Computer Labs, Recording Studios, Acoustic Treatments
Commercial	<b>ADCE Commercial Building</b>	Abu Dhabi	December 2019	Abu Dhabi Commercial Engineering (ADCE)	Bildex Contracting Company	Al Ain Consulting Engineers	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Multipurpose Rooms Centro Rotana</b>	Dubai	November 2019	Rotana	Rotana		AV, Automation, and Multipurpose Room Systems
Commercial	<b>Mafraq Mall</b>	Abu Dhabi	October 2019	Al Tawasoul Properties & Investment	AMANA Contracting & Steel Building Co. WLL	KEO International Consultants	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>ADCE / Mrs. Rawdah Mubarak Fadhel</b>	Abu Dhabi	July 2019	Abu Dhabi Commercial Engineering (ADCE) / Mrs. Rawdah Mubarak Fadhel	Arabel	Dewan Architects & Engineers	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Digital Screen Data Management</b>	Abu Dhabi	July 2019	ALDAR Properties PJSC	ALDAR Properties PJSC		Digital Signage
Commercial	<b>Department of Energy</b>	Abu Dhabi	September 2018	Department of Energy	Lindenberg Emirates	Khatib & Alami	Industrial Automation, Energy Management, iBMS, Visualization, CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems,,Active Components, UPS, AV, BGM, WAP. IPTV, Radio Systems.
Commercial	<b>Gulf Paradise - Residential &amp; Mixed Use Building</b>	Abu Dhabi	July 2018	Gulf Paradise	iZone Electromechanical Contractors LLC	GA Architects & Engineers	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>Novotel (Accor Group) - 4 Star Hotel</b>	Dubai	April 2018	Action Hotels	Universal Voltas	Arif & Bintook Consulting Architects & Engineers	CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, GRMS, Active Components, UPS, AV, BGM, WAP, IPTV, Radio Systems.
Commercial	<b>Mens SPA (1847) Phase II</b>	Dubai	February 2018	The Grooming Company	The Grooming Company		AV Systems, Automation
Commercial	<b>Digital Signage for ALDAR</b>	Abu Dhabi	October 2017	ALDAR Properties PJSC	Scan Construction		Digital Signage
Commercial	<b>Manarat Al Saadiyat</b>	Abu Dhabi	October 2017	Depratemen of Culture and Tourism	Scan Construction	Jacobs	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, AV, BGM
Commercial	<b>HIDD Al Saadiyat Mosques</b>	Abu Dhabi	March 2017	SDIC / LEAD	MCM Group	AEDAS Architects / HIDI RAE	AV, BGM, AZAN Systems
Commercial	<b>Mens SPA (1847)</b>	Dubai	March 2017	The Grooming Company	The Grooming Company		AV Systems, Automation
Commercial	<b>Magna HQ Offices</b>	Abu Dhabi	March 2017	Magna Investment LLC	Shield Contracting Company	Jacobs	ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Al-Falah Community</b>	Abu Dhabi	January 2017	Al Dar Properties	Scan Construction	Khatib & Alami	Community Wide Wireless Mesh CCTV Systems, Control Rooms



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>ADCE - Darmaki</b>	Abu Dhabi	December 2016	Abu Dhabi Commercial Engineering (ADCE)	Arabel	STANTEC	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Nursery</b>	Dubai	July 2016	Little Stream Nursery	Little Stream Nursery		CCTV, ACS, Intrusion Detection
Commercial	<b>Private Office for HHS. Diab Al-Nahyan</b>	Abu Dhabi	March 2016	HHS. Diab Al-Nahyan	INEX Interiors LLC	BEAD Architects & Engineers	ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Gravity Hotel</b>	Abu Dhabi	March 2016	Gravity Hotels & Resorts Management	Gravity Hotels & Resorts Management	Al Suweidi Engineering Consultant Bureau LLC	CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, GRMS, Active Components, UPS, AV, BGM, WAP. IPTV, Radio Systems
Commercial	<b>Private Mosque for HHS. Nahyan bin Moubarak</b>	Abu Dhabi	January 2016	HH. Sheikh Nahyan Bin Moubarak Al Nahyan	Dhabi Contracting	BEAD Architects & Engineers	AV, BGM, AZAN
Commercial	<b>Adenium HQ Offices</b>	Dubai	December 2015	Adenium Energy Capital	Adenium Energy Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Novus HQ Offices</b>	Dubai	December 2015	Novus Aviation Capital	Novus Aviation Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Cure Hospital (Phase I &amp; II)</b>	Abu Dhabi	September 2015	Advanced Cure Diagnostic Center LLC	Advanced Cure Diagnostic Center LLC	Khatib & Alami	CCTV, ACS, Intrusion Detection



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	Reebok Specialty Healthclub	Dubai	May 2015	Functional Crossfit Center LLC	Lindenberg Emirates		AV, IPTV, BGM, Automation



## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	Private Beach Palace	Saadiyat Island	2024	Al Ain Properties	Al Ain Properties	DAR AL HANDASAH	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, SMATV, Centralized Video & IPTV, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	LV50	Jumeirah Bay House	2024	JFO	JFO	GAJ	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Telegram HQ Offices	Dubai	2023	Telegram	Telegram	Idea Art	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Villa M	Al Ain	2022	Rawabi Al Ain Contracting	Rawabi Al Ain Contracting	Al Salaam Consulting Architects	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Courtyard Villa	Dubai Hills	2022	Mr Wissam Al Damaa	Mr Wissam Al Damaa	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Bridal Suite	Al Bateen Palace	2022	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	Ghazi Awad Architects & Engineers	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Nudra Private Villa	Nudra Saadiyat	2022	IMKAN	IMKAN	MZ Architects	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Al Bateen Palace	Al Bateen Palace	2022	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	"KEN International"	Comprehensive Home Automation Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	<b>Al Nakheel Palace Guest Villa</b>	Al Bateen Palace	2022	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	MAKAN Consulting Engineers	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Private Penthouse</b>	Mamsha Al Saadiyat	2022	Mamsha Penthouse	Mamsha Penthouse	Implement Engineering Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>LV15 &amp; 16</b>	Jumeirah Bay House	2022	AL Hajri Bahwan Villa	AL Hajri Bahwan Villa	ECG	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Al Aryam Villa</b>	Al Aryam	2021	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	Office of H.H. Sheikh Hamdan Bin Zayed Al Nahyan	MAKAN Consulting Engineers	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Kingston Villa</b>	Dubai Hills	2021	Kingston Villa	Kingston Villa	SEED Engineering Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Private Residential Villa</b>	Saadiyat Island	2021	Dr Omar Mubarak	Dr Omar Mubarak	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Private Penthouse</b>	Bulgari Residence	2020	Mr Alexander Tamas	Mr Alexander Tamas	Idea Art	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Private Residential Villa</b>	Jawaher AL Saadiyat	2020	H.E. Mohamed Hassan Alsuwaidi	H.E. Mohamed Hassan Alsuwaidi	Kee Design	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.





## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	Private Residential Villa	Dubai Al Barsha	2020	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Emarati Engineering Consultancy	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	HIDD Al Saadiyat	2020	Crown Pince Court	Crown Pince Court	JT & Partners	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	Dubai Jumeirah	2020	Mr. Mohd Abu Ghazaleh	Mr. Mohd Abu Ghazaleh	Chakib Richani Architects	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Dubai	June 2020	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Emirati Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Crown Pince Court	Abu Dhabi	March 2020	Crown Prince Court	Crown Prince Court		Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Mohd Abu Ghazaleh	Dubai	March 2020	Mr. Mohd Abu Ghazaleh	Plus Palace General Contracting	Chakib Richani / Crown Engineering Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	Saadiyat Island	2019	Mr. Ahmad Zaabri	Mr. Ahmad Zaabri	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	Dubai Al Sufouh	2019	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	Chakib Richani Architects	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	Private Residential Villa	Saadiyat Island	2019	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	Al Bateen Abu Dhabi	2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa	Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	HIDD Al Saadiyat	2018	Mr. Nurredin Sehweil	Mr. Nurredin Sehweil	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	Al Reem Island	2018	The Private Office - MBZO	The Private Office - MBZO	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	HIDD Al Saadiyat	2018	Mr. Ghassan Mikati	Mr. Ghassan Mikati	Direct with Client Office	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E M.A. Al Bowardi	Abu Dhabi	July 2018	Private Office of H.H. Sheikh Mohammad Bin Zayed Al Nahyan	MBZO	BEAD Architects & Engineers / SVK	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Private Residential Villa	HIDD Al Saadiyat	2017	H.E. Yousef Al Nowais	H.E. Yousef Al Nowais	BEAD Architects	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Saif Al Assam	Abu Dhabi	February 2017	MARSH Holding	"Shield Contracting Co. WLL"	BEAD Architects & Engineers	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	<b>Mr. Bachar Gebran</b>	Abu Dhabi	September 2016	Mr. Bachar Gebran	Mr. Bachar Gebran	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Wail Mazin Sadiq</b>	Dubai	March 2016	Mr. Wail Mazin Sadiq	Mr. Wail Mazin Sadiq		Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mrs. Iren Sourial</b>	Dubai	February 2016	Mr. Mokbel Sourial	Mr. Mokbel Sourial		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Rasha Al Moubarak</b>	Dubai	January 2016	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	LW Architects / WME	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Anupe Dhorajiwala</b>	Dubai	November 2015	Mr. Anupe Dhorajiwala	Mr. Anupe Dhorajiwala	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Usama Mohamed Ali Al Barwani</b>	Dubai	October 2015	H.E. Usama Mohamed Ali Al Barwani	H.E. Usama Mohamed Ali Al Barwani		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Muhamed Al Busaidi</b>	Abu Dhabi	August 2014	Mr. Muhamed Al Busaidi	Mr. Muhamed Al Busaidi		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Mokbel Sourial</b>	Abu Dhabi	March 2014	Mr. Mokbel Sourial	Mission Decoration		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatment Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



# 04

## Reference Projects Commercial



## Media Zone Development

ALDAR PROPERTIES PJSC is constructing the Media Zone Development HQ located on Yas Island, Abu Dhabi. This large-scale project features the highest standards of Security and ICT solutions.

Metric Technologies was awarded the comprehensive scope as it relates to these fields, in our capacity as a Pre-Qualified and leading Systems Integrator. The high-profile nature of this project calls for the adaptation of advanced solutions. The scale and specification level of this project, in addition to the complex integration of different Security and ICT Assets, is a standout feature.



## Scope

- Server Based CCTV Systems
- ANPR Solutions
- Gate Barriers
- Server Based Access Control Systems
- Integrated Intercom Systems
- Data Storage Solutions
- Baggage Scanners
- X-Ray Systems
- Integrated Speedgates
- Hostile Vehicle Mitigation Systems (HVM)
- ICT / Active Components

## Project Details:

**Client:** Media Zone Authority

**Developer:** ALDAR Properties PJSC

**Consultant:** AECOM Middle East Limited

**PMC:** KBR

**Main Contractor:** Arabian Construction Company WLL (ACC)





## Novotel Hotel Healthcare City

Being a major offering of Accor Groups portfolio, the Novotel Hotel in Dubai Healthcare City was completed in August 2019. Metric Technologies was the appointed Systems Integrator responsible for the execution of all ELV, Security, AV, GRMS and ICT Solutions. Adherence to local security and tourism authorities, in addition to compliance with Accor Group's global standards was a very detailed and extensive process.



## Scope

- CCTV
- ANPR
- Access Control
- BGM
- AV
- GRMS
- Lighting Control
- Intercom
- Disabled Toilet systems
- Structured Cabling
- Gate Barriers
- IPTV
- IP-Telephony
- Digital Signage

## Project Details:

**Client:** Action Hotels FZ-LLC

**Developer:** Action Hotels

**Consultant :** Arif & Bintok Consulting  
Architects and Engineers

**PMC :** Accor Group

**Main Contractor:** Dhafir Development &  
Contracting LLC







## NIBRAS Aerospace Park

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Nibras Al Ain Aerospace Park is a joint initiative between Mubadala and Abu Dhabi Airports Company (ADAC) to establish a sustainable aerospace industry in the Emirate of Abu Dhabi, in alignment with the Abu Dhabi Economic Vision 2030. This high-profile project, operated by Strata and Solvay, called for the highest levels of Security, ELV and ICT solutions.

The complex nature of this project was underlined in the specification and integration objectives required. Explosion Proof and ATEX rated materials, Intelligent Patch Panels and Complex ICT configurations were cornerstones of this execution.



## Scope

- CCTV
- ANPR
- Access Control
- BGM
- AV
- Intercom
- Structured Cabling
- Gate Barriers
- IPTV
- IP-Telephony

## Project Details:

**Client:** STRATA-SOLVAY

**Developer:** Mubadala

**Consultants:** Obermeyer Middle East /  
Stantec International Inc.

**PMC:** AECOM Middle East Limited

**Main Contractor:** Amana Contracting & Steel  
Building Company WLL





## UAE Pavilion

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The UAE Pavilion located on Saadiyat, Abu Dhabi, is a landmark center that is a key pillar of the Department of Culture and Tourism's portfolio. This center is being operated by the prestigious Berklee School of Music. Metric Technologies was awarded total scope for the execution of ELV, Security and ICT and AV solutions.

The AV component of this project was world-class in specification and complexity, as the requirements were put forth by the Berklee School of Music. In addition to traditional AV systems, Metric Technologies executed a top-tier recording studio and performance space.



## Scope

- AV
- ICT
- CCTV
- ANPR
- BGM
- Structured Cabling

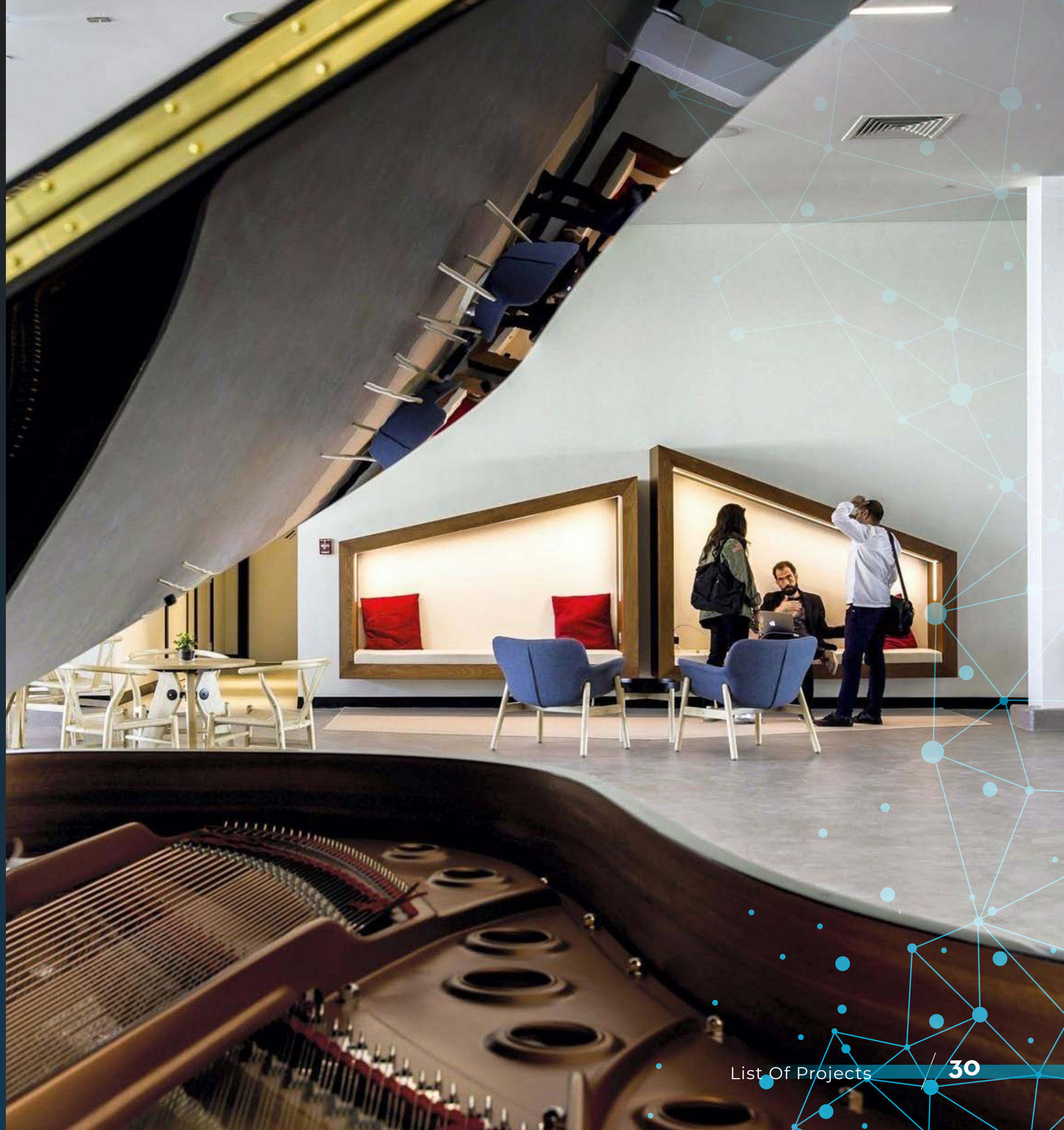
## Project Details:

**Client:** Department of Culture and Tourism (DCT)

**Developer:** Tourism Development & Investment Company (TDIC)

**Consultant:** GHD

**Main Contractor:** Scan Construction





## Al Mafraq Mall

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Mafraq Mall is geared to be the center of the community experience in the Mafraq District of Abu Dhabi. This large retail mall is set to feature internationally known brands within the Retail and FNB space. Metric Technologies was appointed to execute all the Security, ELV, AV and ICT solutions for this Mall.



## Scope

- CCTV
- ACS
- ANPR
- BGM
- Structured Cabling
- SMATV
- Digital Signage

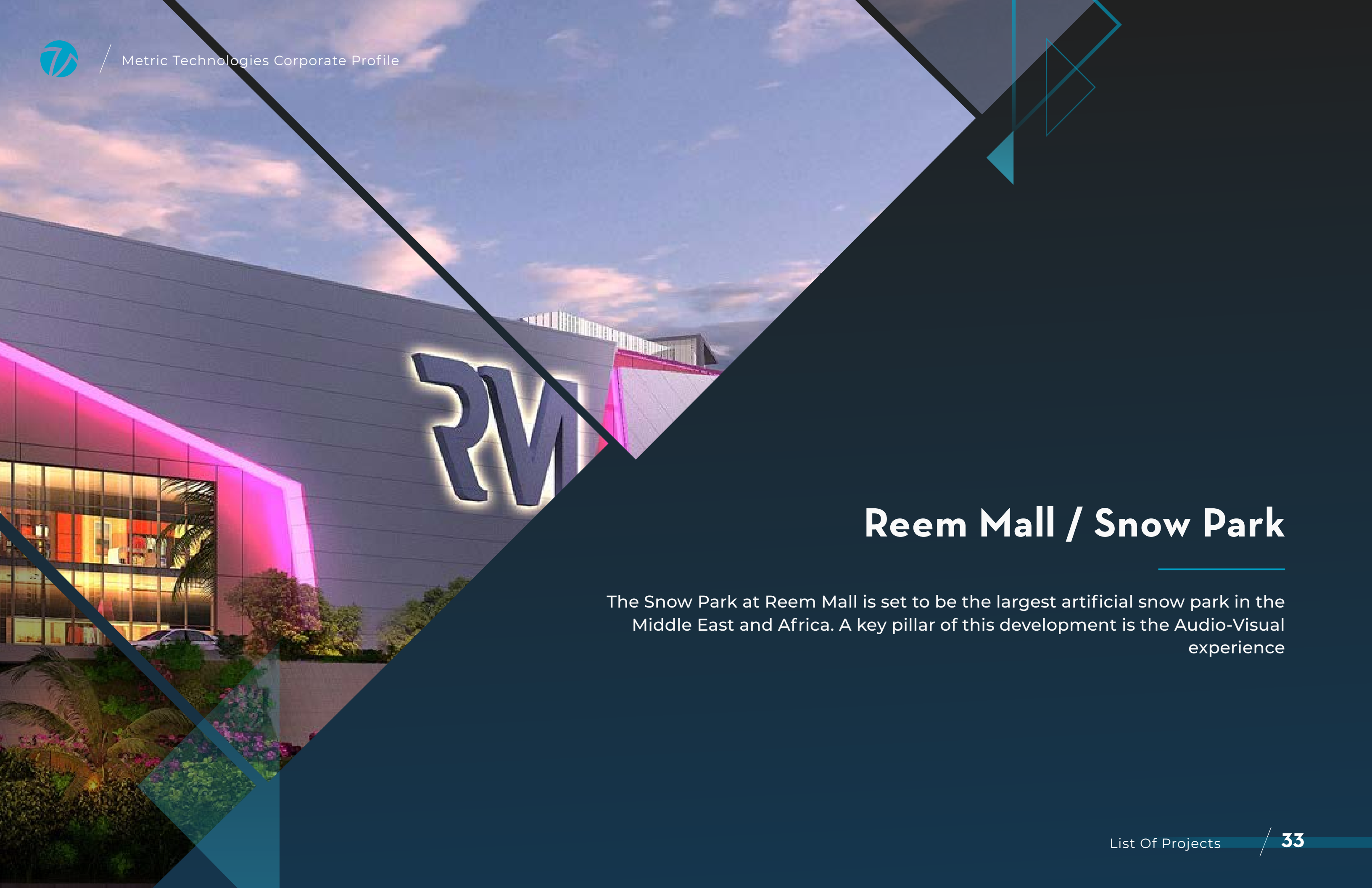
## Project Details:

**Client:** Al Tawasoul Properties & Management

**Consultant:** KEO International Consultants

**Main Contractor:** Amana Contracting & Steel Building Company WLL





## Reem Mall / Snow Park

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The Snow Park at Reem Mall is set to be the largest artificial snow park in the Middle East and Africa. A key pillar of this development is the Audio-Visual experience



## Scope

- Digital Signage
- IPTV
- Audio Visual
- BGM
- PA

## Project Details:

**Client:** Al Farwaniya Property Developments LLC

**Consultant :** Dewan Architects & Engineers

**Proj. Management Consultant :** MACE

International Limited

**Main Contractor:** Joint Venture Itinera – Ghantoot

**MEP Contractor:** Ghantoot National

Electromechanical Cont. LLC







05

# Reference Projects

**Residential / Home automation**



## H.E. RM Villas

These villa estates located in Dubai & Abu Dhabi cover a collective living space of 80,000 Square Feet. The Villas feature all the technologies within the realm of Home Automation and AV solutions. The concept of these villas follows a Modern Californian Design, with large open spaces and courtyards.

The scale of these projects, in addition to the scopes undertaken, make them some of the largest Home Automation Projects in the GCC. The Dubai Villa also features a state-of-the-art reference level private cinema for an unrivalled viewing experience.



## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems

## Project Details:

**Client:** H.E. R. Al Mubarak

**Consultant:** LW Design Group FZ-LLC / WME  
Consultants / MZ Architects

**Main Contractor:** Walk Through General  
Contracting LLC

**Designer:** Chakib Richani / MZ Architects





## G.M. Villa

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Located in HIDD Al Saadiyat, Abu Dhabi, this modern villa was designed by the award-winning architecture firm XBD Collective. In addition to an all-encompassing Home Automation / AV System, the standout feature of this project was to use the Home Automation not only for functionality, but to blend in and further enhance the decoration of this residence.



## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems
- Energy Management Systems

## Project Details:

**Client:** GM

**Consultant:** XBD Collective

**Main Contractor:** Arabian Construction Company WLL (ACC)





## S.A. Villa

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This Ultra-Modern Villa is located on the prestigious Golf Course on Saadiyat Island, Abu Dhabi. Designed by BEAD Architects, this villa is a masterpiece of modern design. Metric Technologies ensured that the client's objectives were met: 1. Complete functionality with a minimal visual footprint. 2. Simple and intuitive control of all features.





## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems
- Energy Management Systems

## Project Details:

**Client:** SA

**Consultant:** Bureau of Excellence in Architecture & Design Architects & Engineers (BEAD)

**Main Contractor:** Shield Contracting Company WLL





## H.H. SDBZ Private Office

Automation and AV systems apply to residences as much as to luxury offices. Metric Technologies delivered these solutions in a Private Office setting. The objectives were to produce all the benefits of Automation, in addition to the utilization of leading technologies to enhance workspace productivity and collaboration.





## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Distributed PA Systems
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Energy Management Systems
- Multipurpose / Conferencing Rooms
- ICT & ELV Solutions

## Project Details:

**Client:** H.H. Sheikh Diab Bin Zayed Al Nahyan

**Consultant:** LEAD Development

**Main Contractor:** INEX Contracting & Interiors LLC





## MAG Villa

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Designed by the award-winning company – Chakib Richani Architects – this villa is located in the Safa Park area of Dubai. The attention to detail in this project is unrivalled in the industry. Each and every aspect of the Home Automation System was designed to enhance lifestyle, promote entertainment and blend into the interior decoration of the home.



## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems

## Project Details:

**Client:** Confidential

**Consultant:** Chakib Richani Architects

**Main Contractor:** Plus Palace General Contracting LLC

**Designer:** Chakib Richani





## H.E. JAZ Villa

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Located on the Saadiyat Island of Abu Dhabi, this large residence is an architectural masterpiece. Metric Technologies was boarded onto this project in order to curate a VIP Lifestyle experience through the utilization of Home Automation and AV Solutions. The specification level of this project render it an ultra-high value execution.



## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems

## Project Details:

**Client:** Confidential

**Consultant:** Architectural Designing & Decoration Consultants (A.D.D.)

**Main Contractor:** Walk Through General Contracting LLC

**Designer:** XBD Collective





## H.E. MAB Villa

Reserved for VIP persons, the Villa Estates on the Najmat Al Reem Island in Abu Dhabi are known for the stature. Metric Technologies executed their high-end Home Automation Solutions over an living area exceeding 60,000 square feet. The Villa also features a state-of- the-art reference level private cinema for an unrivalled viewing experience.



## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems

## Project Details:

**Client:** Crown Price Court / H.H. Mohammad Bin Zayed Private Office

**Consultant:** Bureau of Excellence in Architecture & Design Architects & Engineers (BEAD)

**Main Contractor:** Teejan Contracting / Modular

**Designer:** SVK Architects





## K.B.B.O. Villa

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Located on the Palm Jumeirah, this bespoke Villa is typical of the luxury residences that Metric Technologies provide solutions for. A comprehensive control system paired with a performance level Audio-Visual System all contribute to the lifestyle KPIs we cater to.





## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control
- Intercom
- Pool & Spa Control
- CCTV Systems
- Access Control System
- Intrusion Detection Systems
- Irrigation Control Systems

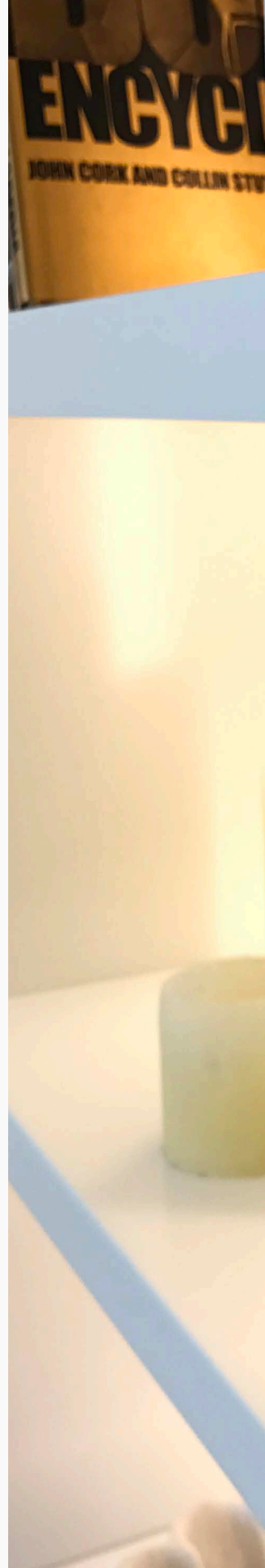
## Project Details:

**Client:** Confidential

**Consultant:** Chakib Richani Architects

**Main Contractor:** Plus Palace General Contracting LLC

**Designer:** Chakib Richani





## Crown Prince Court

The project features a Reference-level Home Cinema System. This theatre integrates all the Audio-Visual parameters required to mimic a true cinema experience. These include Dolby Atmos, 3D sound, True 4k, Laser Projection, Acoustic Treatments, DSPs, Full Range Speakers, and more.



## Scope

- Control Systems
- Audio Visual Systems
- Lighting Control Systems
- DCI Private Cinema
- Distributed Audio / Music
- HVAC Control
- Curtain, Blinds & Drapes Control

## Project Details:

**Client:** Confidential

**Consultant:** CPC

**Designer:** Metric Technologies LLC





06

# Commercial Solutions



## Security

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We provide highly sophisticated electronic and physical security solutions, in-line with the latest global technologies and industry standards. Metric Technologies is certified and approved by all the competent regulatory authorities in the UAE, such as the AD-MCC, SIRA, MOI and GHQ.

- CCTV
- Video Walls / Control Rooms
- Access Control
- VMS
- Gate Barriers
- Security Servers & Storage Farm Solutions
- Analytics
- PSIM
- Intrusion Detection
- X-Ray Scanners & Metal Detectors
- Turnstiles & Speed-gates
- Hostile Vehicle Mitigation (HVM)
- Security Networking



## ELV

We are specialists in the provision and integration of all Low-Current / Low-Voltage Solutions. Our ability to take on all scopes within this domain as a single source provider offers our clients a streamlined approach to commercial and technical benefits.



- Structured Cabling
- Lighting Control
- GRMS
- Intercom
- SMATV / IPTV
- UPS Solutions
- Radio Solutions
- Parking Management Systems
- People Counting Systems
- BMS
- Nurse Call Systems
- Master-Clock Systems
- Ticketing Systems



## AV

Within the complex realm of the Audio-Visual domain, Metric Technologies is at the forefront of offering functional solutions for complex requirements. Our in-house ability to integrate multiple systems and technologies into single platform solutions is a key to our success.

- BGM
- Distributed Audio
- Video Walls
- Performance Level AV
- Conference / Multipurpose Room solutions
- Digital Signage
- Show Lighting
- AV Automation & Control
- Cinema & Theater Solutions
- Acoustic Treatments



## ICT

As the backbone of all solutions we offer, Metric Technologies considers ICT to be a core competency of our offering. Technically certified with all industry benchmark certifications, our team continuously provides top tier ICT services to leading institutions.

- Fiber and Copper Infrastructure
- Telecommunication
- IP Solutions
- Data Centers
- Server & Storage Farms
- Network Solutions
- Wired and Wireless Networks
- CMS Solutions





## Smart Cities

Metric Technologies harnesses the value of the collective integration of technologies by applying its know-how to large scale developments, communities and cities. By applying a multitude of innovative tech, and cross-communicating different individual assets, we create intelligent ecosystems that are safer, smarter and more sustainable.

- Intelligent Home Systems (iHEMS)
- Intelligent Transport Solutions
- Intelligent Landscaping Solutions
- Command Centers
- System Automation
- IoT
- Energy Management
- Smart Grids
- Managed Services
- Intelligent Maintenance Solutions
- Property Technology



# Residential Solutions / Home Automation



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Home Automation goes beyond technology. It is an all-encompassing lifestyle solution that aims to enhance the residences value proposition by way of increased control, security, entertainment, quality of life, aesthetics, sustainability and more. A successful installation makes the technology work for the homeowner. A proper design ensures that the benefits of technology are delivered without the complexity of it. The result is a streamlined solution that is minimalistic in nature, functional in essence and appealing decoratively.

Our Residential division is recognized in the UAE and the GCC as the leading Home Automation Solutions Provider. Catering to the higher-end segment of the market, Metric Technologies has established its reputation for ultra-luxury smart home installations, with some of the most bespoke and luxury projects forming the backbone of our track record.



## Control Systems

All systems within a residence are linked into a single control platform. This platform allows the users to view, manage and control each and every system locally or remotely. The platform is an application that can be accessed from Mobile Phones, Tablets, Touchscreens, TVs and Wall-Keypads. The application features a user-experience that is simple and intuitive.



## Lighting Control

Lighting is a cornerstone feature of any residence. It serves functional and decorative objectives. Having the ability to control the ambience is a critical part of any home automation system. Through the application, the user can set collective lighting moods & programmed scenes, control individual lighting circuits, setup motion-based lighting, manage dimming profiles, and much more.



## AV

Audio-Visual Systems form a key pillar of home entertainment. In multi room villas, our solutions aim to centralize TV systems. What this means is that all set-top boxes – such as elife boxes, Apple TV Players, Media Players, etc. – are all placed within a central closet. All TVs are linked to this closet, allowing the homeowners to access any of these video sources on any TV, at any time. This is done through the control application, or through a single universal remote. This is similar to the entertainment platforms of higher end hotels and airlines. While this has key functional advantages in terms of streamlining the entertainment experience, it also provides decorative advantages by removing devices and remote clutter from the rooms, allowing decorators to install clean, flat panel TVs with no apparent wiring.



## Wiring Accessories

Automation caters to decoration just as much as it caters to functionality. The ability to select keypads and power / telecom sockets in a wide range of high-quality materials and finishes is critical in the execution of a modern day home. The added value of this is two-fold: First, the keypads offer a traditional way of controlling systems such as lighting within the space, that run in parallel with the control application. Second, the ability to program these traditional keypads to control multiple systems such as HVAC, Lighting, Music, and Window Treatments allow for decorators to minimize numerous accessories on the walls, cleaning up the spaces and reducing what is referred to as “Wall Acne”.





## Music

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Music and entertainment are synonymous. We offer a wide range of audio systems that cater to a Hi-Fidelity, whole-home music experience. Our selection of products address performance as well as aesthetics. From “invisible” ceiling speakers to designer speakers, our range is extensive. Through the application, the homeowners can select any music selection, and play it any zone, at any time, individually or collectively. Our music range covers everything from back-ground music to high-performance, entertainment grade music.





## HVAC Control

The capability of managing HVAC / Climate Systems from a centralized application platform is perhaps the most functional aspect of a home automation system. The application allows the users to control AC systems individually or collectively, locally and remotely. Pre- Programmed Scenes can maintain a uniform, comfortable temperature though the residence, if the user requires.

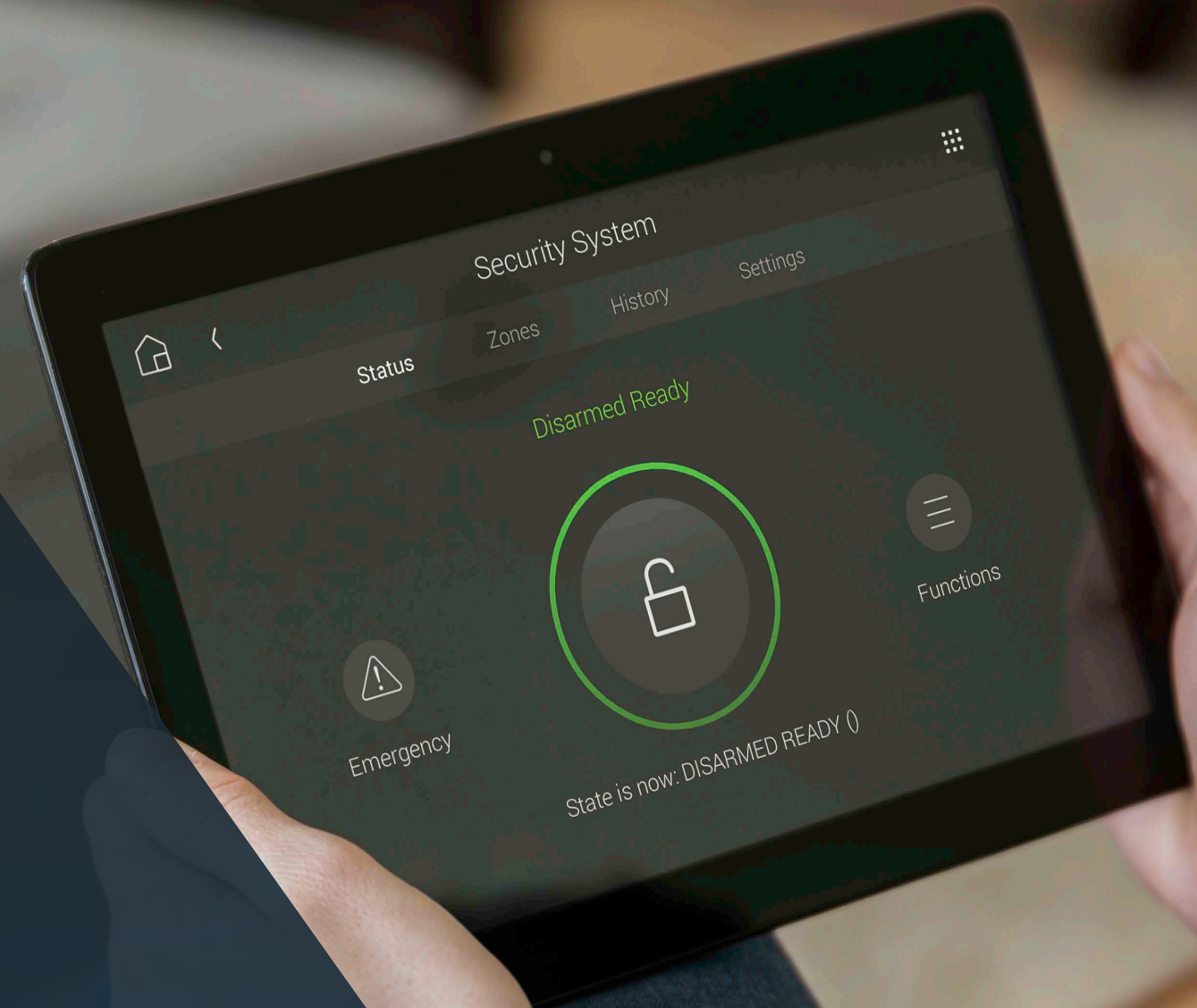




## Curtain, Blind and Drape Control

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Centralized control of all Window Treatments provides the homeowners with a level of unmatched convenience. From the application, all shades, blinds and drapes can be controlled individually or collectively. They can also follow scenes that allow them to operate based on time of day.



## Security Systems

Security as an essential component of any home. Our solutions offer a large portfolio of security assets such as Cameras / CCTV, Access Control, Intrusion Detection and more. Our security designs follow industry standards for best practices that render a safer home. As with all systems, the Security Systems can be managed and viewed from the application.



## Private Cinemas

For the ultimate entertainment experience, we provide reference-level home theater installations that will mimic the immersive experience of being in a cinema. From 8k Projection, DCI Technologies, 3D Sound, Atmos Technologies, Acoustical Treatments and Audio Assets, our certified AV engineers ensure the production of cinema-tier designs and installations.



# main floor meter

electricity water gas

your savings so far  
**175690**

pounds of carbon dioxide averted

250 1 .13  
now tier per kWh trend

1 2 3 4 5



lights usage

## usage detail

- outside floods ▲ 10%
- living room lamp ▲ 8%
- kitchen sconces ▲ 5%
- master sconces ▲ 3%

50

0

12 am 3 am 6 am 9 am 12 pm 3 pm 6 pm



## Energy Management

Sustainability is a must in any modern residence. The virtues of which help the environment in addition to reducing homeowner costs.

Integrated systems allow for automatic behaviors within a home that will significantly reduce energy consumption. In any zone within a residence, if no occupancy is detected, the lighting will turn off, the AC system will go into preservation mode, the curtains / blinds will close, etc. Other systems that help monitor and manage energy consumption from the application will give the homeowner the tools required to participate in sustainable behavior.



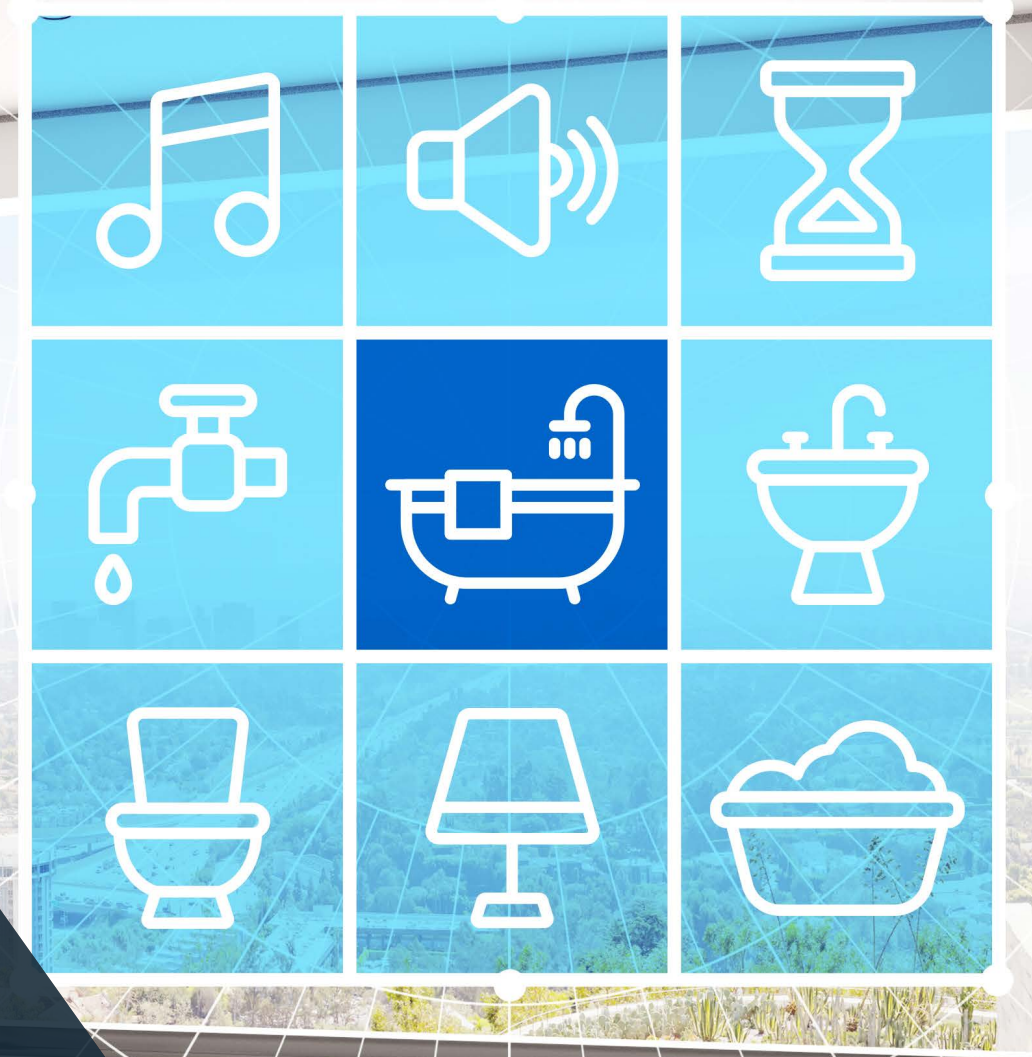
## IT

We provide all Information Technology solutions that further enhance the residences we work with. Verticals such as Enterprise Grade Wi-Fi, Intercom Solutions, IP Telephones, Telecommunication, Media Servers and more all form a part of our expertise.



## Miscellaneous

Home Automation is only limited by imagination. Using the same control applications and technologies, our experts can offer homeowners control of virtually any electrical system, such as Leak Detection, Irrigation, Heaters & Exhausts, Pool & Spa Control.





08

# Company Highlights





# Company Highlights



**ISO 9001: 2015 Certified**  
QUALITY MANAGEMENT SYSTEM



**Abu Dhabi Monitoring & Control Center (ADMCC)**  
Certified Integrator MCC/  
SAS/00067



**ISO 14001: 2015 Certified**  
ENVIRONMENTAL MANAGEMENT SYSTEM



**Security Industry Regulatory Agency Certified**  
Certificate No: SSP20200427 4959



**ISO 45001: 2018 Certified**  
OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM



**Telecommunications Regulatory Authority**  
Certificate Number: DA0117816/13



**In-Country Value Version 3 Certified (Service Provider)**



**"Approved"**



Systems Integration: Security, ELV, ICT, AV  
& Home Automation.

 [www.metric-tec.com](http://www.metric-tec.com)

 [info@metric-tec.com](mailto:info@metric-tec.com)



# **Legal, Licenses & Authorities**



# رخصة اقتصادية

## رخصة تجارية

# Economic License

Commercial License

License No	:	CN-1674035	:	رقم الرخصة
ADCCI No	:	318341	:	عضوية الغرفة
Establishment Card MOHRE	:	797321	:	وزارة الموارد البشرية والتوطين بطاقة المنشأة
Establishment Card ICA	:		:	الهيئة الاتحادية للهوية والجنسية- بطاقة المنشأة
Legal Form	:	Limited Liability Company	:	شركة ذات مسؤولية محدودة الشكل القانوني
			:	اسم التجاري
Trade Name	:	METRIC TECHNOLOGIES L.L.C.	:	متريك تكنولوجيز ذ.م.م
Establishment Date	:	23/09/2013	:	تاريخ تأسيس المنشأة
Issue Date	:	29/08/2023	:	تاريخ الإصدار
Expiry Date	:	11/09/2024	:	تاريخ الإنتهاء

الصلة Role	الجنسية Nationality	الملاك / الشركاء Owners / Partners	الرمز No.
شريك Partner	الإمارات العربية المتحدة United Arab Emirates	عبدالله خليل محمدسميع المطوع ABDULLA KHALIL MOHAMED SAMEA ALMUTAWA	20009179
شريك Partner	لبنان Lebanon	متريك تكنولوجيز (أوف شور) ش.م.ل METRIC TECHNOLOGIES (OFFSHORE)S.A.L	41257322

Economic Activities	:	الأنشطة الاقتصادية
- Security & Surveillance Systems Installation & Maintenance		- تركيب معدات وأجهزة الأمن والمراقبة وصيانتها
- Telecommunication Systems Equipment Installation and Maintenance		- تركيب وصيانة معدات أنظمة الاتصالات السلكية واللاسلكية
- Information Technology Network Services		- خدمات شبكات تقنية المعلومات
- Computer Infrastructure Establishment, Institution and Maintenance		- انشاء وتأسيس وصيانة البنية التحتية للحاسب الآلي
- Wholesale Of Precise Electronic Devices Trading		- تجارة الاجهزة الالكترونية الدقيقة - بالجملة
- Wholesale Of Alarm And Monitor Devices And Equipment Trading		- تجارة اجهزة ومعدات الانذار والمراقبة - بالجملة
Address	:	العنوان
Onwani Address	:	العنوان الموحد
	:	الزاهية، شرق 14، ق 51c مكتب 604، مبنى، انترناشيونال كابيتال تريدينغ - ذ م م

Official Email	:	info@metric-tec.com	:	البريد الإلكتروني الرسمي
Official Mobile	:	+971552843941	:	رقم التواصل الرسمي



هيئة أبوظبي للدفاع المدني  
ABU DHABI CIVIL DEFENCE  
AUTHORITY



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## رخصة تجارية Commercial License

### تفاصيل الرخصة / License Details

License No.	819657	رقم الرخصة
Trade Name	METRIC TECHNOLOGIES L L C - DUBAI BRANCH	الإسم التجاري
Legal Type	Branch of Company Registered in other emirates	الشكل القانوني
Expiry Date	21/11/2023 تاريخ الإنتهاء	تاريخ الإصدار
D&B D-U-N-S @	0	رقم الرخصة الام
Register No.	رقم السجل التجاري	عضوية الغرفة
Issue Date	22/11/2018	تاريخ الإصدار
Main License No.	819657	رقم الرخصة الام
DCCI No.	315196	عضوية الغرفة

### الاطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الإسم	رقم الشخص/No.
100.00%	Co. Owner / مالك الشركة	United Arab Emirates / الامارات	مترك تكنولوجيا ذ م م	726848
	Manager / مدير	Lebanon / لبنان	على رائف مرتضى	610020
			METRIC TECHNOLOGIES L L C	
			ALI RAAEF MOURTADA	

### نشاط الرخصة التجارية / License Activities

Security Systems & Equipment Trading	تجارة الاجهزة والمعدات الأمنية
Security Control & Alarm Equipment Trading	تجارة أجهزة ومعدات الإنذار والمراقبة
Security Equipment Installation & Maintenance	تركيب الأجهزة والمعدات الأمنية وصيانتها

### العنوان / Address

Phone No	تليفون	P.O. Box	صندوق بريد
Fax No	فاكس	Parcel ID	رقم القطعة
Mobile No	هاتف متحرك	346-563	البريد الإلكتروني / Email
		crm@dbamc.com	مكتب رقم 1803-ملك فاكر محمد باتشا-الخليج التجاري

### الملاحظات / Remarks

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رقم الإيصال



الإمارات  
THE EMIRATES

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دولة الإمارات العربية المتحدة  
وزارة الداخلية  
القيادة العامة لشرطة أبوظبي  
إدارة الديوان  
قسم التنسيق الحكومي  
فرع خدمة العملاء  
مكتب بلدية أبوظبي

الرقم : 21158/20/1 - 2000  
التاريخ : 2013/09/22 م  
الموافق : 17/ ذو القعدة / 1434 هـ

السادة / قطاع الشؤون التجارية  
دائرة التنمية الاقتصادية

الموضوع : مترك تكنولوجيا ذ م م

الإشارة:- الموافقة المبدئية رقم CN-1674035 تاريخ 2013/09/11

نفيدكم أنه لا مانع لدى القيادة العامة لشرطة أبوظبي من الناحية الأمنية على الترخيص للمواطن/ عبدالله خليل سميع المطوع والسادة/ مترك تكنولوجيا (أوف شور) ش.م.ل (لبنان الجنسية) لمزاولة نشاط: (تجارة أجهزة ومعدات الانذار والمراقبة - بالجملة) بإسم تجاري / مترك تكنولوجيا ذ م م، شريطة عدم تعارض النشاط مع القرارات أو التعليمات المنظمة للأنشطة الاقتصادية ، وفقاً للإجراءات المتبعة لديكم ،

واقبلوا الإحترام ،،،



عبيد سالم خميس غانم الشامسي  
مدير فرع خدمة العملاء  
مكتب أبوظبي

نسخة إلى :

• مدير إدارة الديوان

• 2013/09/22 - 57206



رؤيتنا: أن نضمن استمرار إمارة أبوظبي كمجتمع ينعم بالأمن والسلامة من خلال تقديم خدمات شرطية عالية الجودة للمواطنين والمقيمين في الإمارة وزوارها

2013/09/22 - 57206

## محضر تفويض

نحن الموقعين ادناه :-

- عبد الله خليل محمد سميع المطوع ، اماراتي الجنسية ، وأحمل بطاقة هوية رقم ٧٨٤-١٩٥٠-٨٥٨١٧٤١-٠ ، بصفتي شريك ( بحدود حصتي فقط ) في شركة مترك تكنولوجيا ذ.م.م ، رخصة تجارية رقم ١٦٧٤٠٣٥ - CN صادرة من دائرة التنمية الاقتصادية أبو ظبي .

- شركة مترك تكنولوجيا (أوف شور) ش.م.ل ، ممثلة بالسيد/ علي رائف مرتضى ، بموجب اذاعة تجارية مصدقة لدى وزارة الخارجية في دولة الامارات العربية المتحدة تحت رقم ١٤٠٨٥٧٤٥ تاريخ ٢٠٢٢/٠٣/٣١ .

بصفتنا مالكي شركة مترك تكنولوجيا ذ.م.م ، رخصة تجارية رقم ١٦٧٤٠٣٥ - CN صادرة عن دائرة التنمية الاقتصادية - أبو ظبي .

نفوض بموجب محضر التفويض هذا :-

\* السيد : علي رائف مرتضى ، لبناني الجنسية ، ويحمل بطاقة هوية رقم ٧٨٤-١٩٨٥-٧٨٠٢٥٩٤-٥ .

منفردا بتمثيل " شركة مترك تكنولوجيا ذ.م.م أبو ظبي لدى جميع الدوائر الحكومية والمؤسسات الرسمية والشركات والافراد في عموم دولة الامارات العربية المتحدة وخارجها والتوقيع نيابة عنها في كافة المعاملات المتعلقة بالشركة بالمرافعة والمدافعة عن الشركة لدى كافة المحاكم والدوائر على اختلاف درجاتها ووظائفها بكل دعوة تكون لها أو عليها ، حادثة أم ستحدث مع أي شخص كان وبأي خصوص كان وبأي دعوى كانت من حقوقية وادارية وتجارية وصلحية وجزائية وعقارية ، بداية واعتراضا واستئنافا وتمييزا واعادة محاكمة بصفة مدعية ومدعى عليها وشخص ثالث واعتراض الغير ورد الاعضاء ، وانتخاب وتعيين ارباب الخبرة والمحكمين والمميزين والاعتراض على انتخابهم وتعيينهم وتسمية البينة والشهود وطعن ببينة الخصم وطلب تحليف اليمين وقبوله أو رده وبالتبليغ والتبليغ وطلب وضع الحجز الاحتياطي والتنفيذي وطلب فكه أو تثبيته وانشاء وتقديم العرائض والاندازات واللوائح وسائر البلاغات موقعا عليها امضاء والرجوع عنها واستلام الاوراق والمطالبة بالحقوق في الدعاوي الجزائية وباستحصال الاعلامات والقرارات وطلب تنفيذها وملاحقتها بدوائر الاجراء وكالة عامة شاملة كلما يجوز فيه التوكيل شرعا ونظاما



بما ذكر مفوضه لقوله ورأيه وفعله مع حق ارسال الانذارات والاختارات والابراء والاقرار والصلح والاسقاط والمحاسبة وبيع املاك الشركة وموجوداتها المنقولة وغير المنقولة ممن يشاء وبما يشاء وقبض الثمن واجراء معاملات الفراغ والتسجيل على أسم الشاري وكافة المعاملات اللازمة لدى كافة الدوائر وخاصة الدوائر العقارية واستلام سندات الملكية وتوظيف أموال الشركة بالطرق التي يراها مناسبة والدخول بالمزايدة والمناقصة والشراء واعطاء المهل وبيع الموهون واجراء المزايدة الاضافية واعطاء التأمينات اللازمة وشراء الاملاك عن الشركة وتسجيلها على أسم الشركة واجراء المحاسبات واستلام التقارير المضمونة والطرود البريدية والحوالات البريدية والمصرفية والشيكات وقبض قيمتها ، وقبض أي مبلغ كان عائدا أو سيعود من أي مصرف أو جهة أو دائرة أو شخص كان ، وايداع الاموال بأسم الشركة في المصارف والبنوك وفتح الحسابات على اختلاف انواعها في هذه المصارف والبنوك وتحريكها ، وفتح الاعتمادات والضمانات والكفالات المصرفية والتوقيع عليها والالتزام بها وكافة الالتزامات المصرفية بجميع اشكالها وانواعها وقيمها ، وسحب الاموال الموجودة كلها أو أي جزء منها لدى كافة المصارف والتنازل وتوقيع السندات عنها وتجبيرها واستلام كافة الاوراق والمستندات وقبول الالتزامات والتوقيع على الكشوفات وقبض المبالغ العائدة لها وتوقيع العقود وطلب رخص البناء واستلامها واجراء الانشاءات وعزل الوكلاء والرجوع عن الدعاوي والاستئنافات وقبول الشراء والبيع والوعد بهما وتخليص البضائع من الجمرک وتوقيع البيانات والمعاملات اللازمة لها واستيفاء الديون ودفعها وصرف الموظفين والعمال ودفع تعويضاتهم وبيع السيارات وشراءها وتججير عقودها وقيادتها بكافة البلدان واجراء المعاملات اللازمة لها وخاصة لدى مصلحة المواصلات البرية ومراكز الحدود وتأسيس الشركات على أنواعها بين الشركة والغير وحضور جلسات الجمعية العمومية وتوكيل من يشاء بجميع أو ببعض ما وكل به وتوكيل من يشاء بكل ما وكل به أو ببعضه وعزل من يوكل واجراء جميع ما تقتضيه مصلحة الشركة شرعا وقانونا مفوضا لقوله ورأيه وفعله ، علما بأن مدة سريان الوكالة ثلاثة سنوات من تاريخه .

وللبیان حرر .

شركة مترك تكنولوجيز (أوف شور) ش.م.ل.  
عنها/ علي رائف مرتضى

عبد الله خليل محمد سميع المطوع







المصادقة الرقمية  
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JUDICIAL DEPARTMENT



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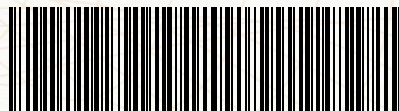
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الكاتب العدل

هدى الحمادي



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# توكيل وإقرار

## نموذج (1)

أنا الموقع أدناه / عبد الله خليل محمد سميع المطوع  
الجنسية: الإمارات / أحمل بطاقة هوية رقم: 784195085317410  
وبصفتي شريك في الرخصة التجارية رقم / 1674035 صادرة من التنمية  
الاقتصادية في المسماة / مترك تكنولوجيا ذم م

أوكل السيد/ علي بن سيف مرتضى  
الجنسية: الإمارات

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المقدمة لوزارة العمل، فيما يختص بالعمال العاملين على المنشأة أو اللذين سيتم  
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والعقود وطلبات التأشيرات المقدمة لوزارة العمل، فيما يختص بالعمال العاملين  
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وأتعهد بأن أكون مسنولا مسنولية كاملة عن كافة حقوق العمال القانونية أمام  
الوزارة من أجور وبدل إجازات ومكافآت نهاية الخدمة، وخلافه من الحقوق التي  
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وأن أكون مسنولا عن كافة تصرفات الوكيل.

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دوره يقتصر على مجرد التوقيع دون ممارسة أي عمل بالمنشأة.  
وقد تحرر هذا إقرار مني بذلك تسري هذه الوكالة لمدة ثلاثة سنوات من تاريخ  
التصديق عليها

## ملاحظات:

التوكيل والإقرار لشخص واحد.

التوكيل والإقرار أمام السيد/ كاتب العدل بالمحكمة المختصة.

## الشهود

1- نور الدين بن لاجب عبد العزيز  
2- مقرر قانوني المحرمي ح

توقيع الموكل:

0258733

دائرة القضاة  
JUDICIAL DEPARTMENT



محصر تصنيق رقم 1403000917

انه في يوم الاربعاء الموافق 2014/01/22 م

حضر لدي أنا/ عواطف الشريف الكتب العدل

عبد الله خليل محمد المطوع وآخرون

وبعد استيفاء الإجراءات المقررة وسداد الرسم وقدره 200 درهم

بموجب الإيصال رقم 831404000922. قمت بالتصديق.





## ترخيص أنشطة أعمال أجهزة المتابعة والتحكم License to Practice Monitoring Works

Reference No: LE/0039 رقم المرجع:  
Date of Issue: 28 June 2020 تاريخ الإصدار:  
Date of Expiry: 11 September 2024 تاريخ الإنتهاء:

يشهد مركز المتابعة والتحكم بأن المنشأة أدناه اجتازت متطلبات وإجراءات ترخيص أنشطة أعمال أجهزة المتابعة والتحكم.

Monitoring and Control Center certifies that the company below has successfully completed the requirements and procedures of licensing to practice the activity of monitoring works.

الإسم:		مترك تكنولوجيا ذمم
Name:	Metric Technologies LLC	

رقم الرخصة التجارية:	CN-1674035	Trade License Number:
----------------------	------------	-----------------------

### Notes:

- ملاحظات:
- هذه الشهادة سارية المفعول حتى إنتهاء الرخصة التجارية.
  - أي كشط او تغيير في هذه الشهادة بلغيها.
  - This license is renewed annually and the expiry date is as of the trade license.
  - Any amendment to this certificate makes it invalid.



رئيس قسم التراخيص والتأهيل  
Head of Licensing & Qualifications Section

eVerification No. : 45261477 : رقم التحقق الإلكتروني  
Passcode : CB458642 : رمز المرور

Date : 09/11/2022 : التاريخ  
Certificate No. : SSP20221109 7325 : المرجع

## تنهاجة تسجيل Registration Certificate

### License Information

License No. : 819657  
Date of Issue : 22/11/2018  
Date of Expire : 21/11/2023

### بيانات الرخصة

رقم الرخصة : 819657  
تاريخ الاصدار : 22/11/2018  
تاريخ الانتهاء : 21/11/2023

### Company Information

Trade Name : METRIC TECHNOLOGIES L L C DUBAI  
BRANCH  
Legal Type : Branch of Company Registered in other  
emirates

### بيانات المنشأة

الاسم التجاري : مترك تكنولوجيز ذ م م - فرع دبي  
الشكل القانوني : فرع لشركة مقرها في إمارة أخرى

### Licence Activity

Security & Surveillance System Installation & Maintenance  
Security Control & Alarm Equipment Trading  
Security Devices and Equipment Trading

### تنشاط الرخصة

تركيب معدات وأجهزة الأمن والمراقبة وصيانتها  
تجارة أجهزة ومعدات الإنذار والمراقبة  
تجارة الأجهزة والمعدات الأمنية

### License Detail

License Owner : METRIC TECHNOLOGIES LLC  
Nationality : United Arab Emirates

### تفاصيل الرخصة

صاحب الترخيص : مترك تكنو لوجيز ذ م م  
الجنسية : الإمارات العربية المتحدة

P.O.Box : 414495 : صندوق البريد Fax No. :

هاتف : +971-4-5648529 Tel No. : فاكس :

### Notes:

- You have to renew this license annually.
- This license is not considered as trade license and any changes or additions will abandon it.

### ملاحظات:

يرجى تجديد هذه الرخصة سنويا  
هذا الترخيص لا يعتبر ترخيص تجاري وأي كشط أو تغيير أو اضافة فيه  
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30306, دبي, ع.م.!

# شهادة تسجيل

## Registration Certificate

استنادا الى احكام المرسوم بقانون اتحادي رقم ٣ لسنة ٢٠٠٣ في شأن تنظيم قطاع الاتصالات ولائحته التنفيذية وتعديلاتها، قامت الهيئة العامة لتنظيم الاتصالات بتسجيل

Based on the Federal Law by Decree No. 3 of 2003 - Regarding Organization of the Telecommunication Sector and its Executive Order and their amendments The Telecommunication Regulatory Authority (TRA) registers.

مترك تكنولوجيا ذ.م.م  
Metric Technologies LLC

رقم الشهادة : **DA0117816/13** Certificate Number :

وذلك وفقا للشروط واللوائح والسياسات والأنظمة المطبقة لدى الهيئة العامة لتنظيم قطاع الاتصالات  
According to the terms, conditions, policies and regulation of the TRA for the period-

Date of Issue : 17-Jun-2019

17-Jun-2019

تاريخ الإصدار :

Date of Expiry : 16-Jun-2024

16-Jun-2024

تاريخ انتهاء الصلاحية :



شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة  
Certificate of Registration for Value Added Tax in the United Arab Emirates

The Federal Tax Authority certifies that the entity below is  
a registered person for Value Added Tax in the UAE

تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة  
المضافة في الامارات العربية المتحدة

Full Arabic legal name	<u>مترك تكنولوجيز ذ.م.م</u>	الاسم القانوني الكامل باللغة العربية
Full English legal name	<u>Metric Technologies LLC</u>	الاسم القانوني الكامل باللغة الانجليزية
Registered address	<u>Abdullah Bin Shibban Building, Office No. 401, Khalifa, Abu Dhabi, Abu Dhabi, Abu Dhabi, United Arab Emirates, 3155, +97126224000</u>	العنوان المسجل
Tax Registration Number	<u>100362170100003</u>	رقم التسجيل الضريبي
Effective Registration Date	<u>01/01/2018</u>	تاريخ التسجيل الفعلي
First VAT Return Period	<u>1 Jan 2018 – 31 May 2018 and quarterly thereafter</u>	فترة أول إقرار لضريبة القيمة المضافة
VAT Return due date	<u>28th day following the end of the VAT return period</u>	تاريخ استحقاق إقرار ضريبة القيمة المضافة
Start and end dates of Tax periods:	1 Mar to 31 May, 1 Jun to 31 Aug, 1 Sep to 30 Nov, 1 Dec to 28/29 Feb	بداية ونهاية الفترات الضريبية

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please check that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number.



Issuing Date:

25/01/2018

تاريخ الإصدار



04

**Finance**

## Customer Information

		Provider No	Date Of Last Update
CB Subject Id	I08066291		
Provider Subject No	-		
Company Name	METRIC TECHNOLOGIES L.L.C.	C01	12 October 2023
Arabic Company Name	-	-	-
Trade License No	CN1674035	B02	13 October 2023
Trade License Place	Department of Economic Development - Abu Dhabi	B02	13 October 2023
Registration Date	23 September 2013	B02	13 October 2023
Economic Activity	Individual loans for business - Term loans and overdraft	B02	13 October 2023

## Credit Summary





Our Reference: RS/ma/488/2022  
Abu Dhabi; October 17, 2022.

**To Whom It May Concern**

Dear Sirs,

**Subject: Financial Capability of METRIC TECHNOLOGIES L.L.C.**

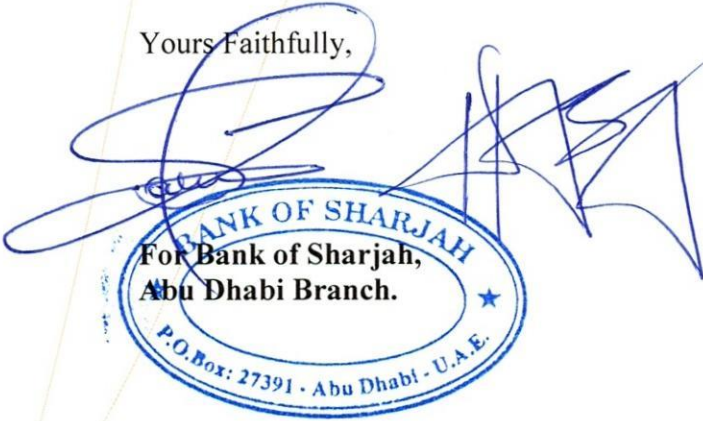
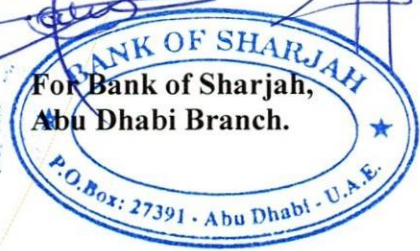
This is to certify that M/S METRIC TECHNOLOGIES L.L.C. is a valued customer of Bank of Sharjah.

Our relationship with the company as bankers since February 2014 has been satisfactory.

During the course of our business relationship with the company, we have financed several jobs, which required the issuance of various bonding guarantees and several other related facilities. It is worth mentioning that until date, all projects financed by the Bank were successfully accomplished.

This certificate has been issued at the request of our customer without any responsibility or commitment on our part.

Yours Faithfully,

Our Reference: RS/mb/301/2020,  
Abu Dhabi; July 29, 2020.

***TO WHOM IT MAY CONCERN***

Dear Sirs,

**Subject: Certificate Letter for Metric Technologies L.L.C.**

This is to certify that M/S Metric Technologies L.L.C. maintains an account with Bank of Sharjah since 2014. The conduct of the account has been satisfactory with normal banking transactions. The company fulfills its financial and professional obligations promptly and have their books audited yearly by an independent audit firm. Moreover, over the course of the past years, the company has successfully completed several projects in line with its expertise, size and activity.

This certificate has been issued at the request of our customer without any financial responsibility or commitment on our part.

Yours Faithfully,

**For Bank of Sharjah,  
Abu Dhabi Branch**

  
  
The stamp is circular with a blue border. Inside the border, the text reads: "BANK OF SHARJAH" at the top, "AUTHORISED SIGNATURES" in the center, and "P.O.Box: 27391 - Abu Dhabi - U.A.E." at the bottom.



بنك الشارقة  
Bank of Sharjah

Our Reference: RS/sn/423/2022.  
Abu Dhabi; August 31, 2022.

**TO WHOM IT MAY CONCERN**

Dear Sirs,

This is to certify that **M/S METRIC TECHNOLOGIES L.L.C.** are holding an account with Bank of Sharjah with the following details:

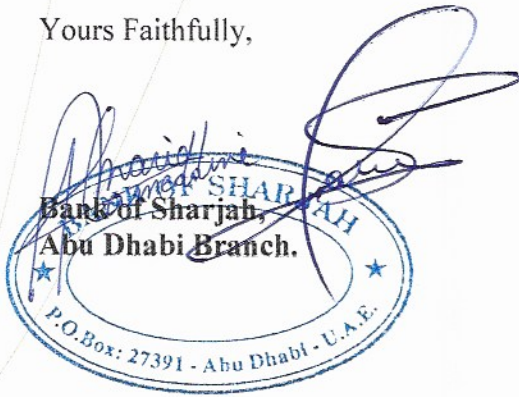
Account Name: METRIC TECHNOLOGIES LLC  
Account No.: 01306-169285  
Currency: AED  
IBAN: AE77 0120 0000 0130 6169 285  
Bank Address : BANK OF SHARJAH  
P.O.BOX: 27391, MINA STREET, ABU DHABI, U.A.E  
Swift No.: SHARAEAS

The authorized signatory is as below:

- Mr. Ali Mourtada is authorized to manage the company and operate the account by virtue of power of attorney.

This certificate is given upon the request of our customer without any commitment or responsibility on our part.

Yours Faithfully,



Encl.: a/above

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# Projects List



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>Media Zone Development</b>	Abu Dhabi	March 2020	Media Zone Authority /ALDAR Properties PJSC	Arabian Construction Company (ACC) / BILT	AECOM / KBR	CCTV, ANPR, ACS, IP-Intercom, Scanners, X-Ray, HVM Bollards, Speedgates, Active Components
Commercial	<b>Al Qala Parks &amp; Facilities</b>	Abu Dhabi	October 2022	MODON / ABU DHABI EXECUTIVE COUNCIL	Al Ryum Contracting (ARCO)	ICON	CCTV, LCS & SCS
Commercial	<b>Gemstone</b>	Abu Dhabi	October 2022	ADQ	AMANA Contracting & Steel Building Co. WLL	LITE	CCTV, ACS & SCS
Commercial	<b>Khalifa City Public Parks</b>	Abu Dhabi	October 2022	Department of Municipality & Transport	Al Ryum Contracting (ARCO)	Parsons	CCTV
Commercial	<b>St. Gobain</b>	Abu Dhabi	October 2022	St. Gobain	Walkthrough General Contracting LLC	AMAR	CCTV, ACS, BGM, SCS
Commercial	<b>Saadiyat Infrastructure Development</b>	Abu Dhabi	July 2023	ALDAR	Al Ryum Contracting (ARCO)	Parsons	CCTV
Commercial	<b>Global Gateway Village</b>	Abu Dhabi	July 2020	Global Gateway Properties	Arabian Construction Company (ACC)	B+H Architects / Archcorp / LEAD	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Al Falah Retail</b>	Abu Dhabi	March 2020	ALDAR Properties PJSC	ALDAR Properties PJSC		Security Systems Upgrade



## List of Projects - Commercial

Commercial	<b>Reem Mall - Snow Park</b>	Abu Dhabi	January 2020	Al Farwaniya	Ghantoot Group	WME Consultants / Dewan / MACE	AV & BGM Systems
Commercial	<b>Berklee School of Music / UAE Pavillion</b>	Abu Dhabi	December 2019	Department of Culture and Tourism	Department of Culture and Tourism	Berklee	Performance Audio Visual Systems, Show Lighting, Computer Labs, Recording Studios, Acoustic Treatments
Commercial	<b>ADCE Commercial Building</b>	Abu Dhabi	December 2019	Abu Dhabi Commercial Engineering (ADCE)	Aswar	Al Ain Consulting Engineers	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Multipurpose Rooms Centro Rotana</b>	Dubai	November 2019	Rotana	Rotana		AV, Automation, and Multipurpose Room Systems
Commercial	<b>Mafraq Mall</b>	Abu Dhabi	October 2019	Al Tawasoul Properties & Investment	AMANA Contracting & Steel Building Co. WLL	KEO International Consultants	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>ADCE / Mrs. Rawdah Mubarak Fadhel</b>	Abu Dhabi	July 2019	Abu Dhabi Commercial Engineering (ADCE) / Mrs. Rawdah Mubarak Fadhel	Arabel	Dewan Architects & Engineers	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Digital Screen Data Management</b>	Abu Dhabi	July 2019	ALDAR Properties PJSC	ALDAR Properties PJSC		Digital Signage
Commercial	<b>NIBRAS Aerospace Park</b>	Al Ain	April 2019	MUBADALA / Starta / Solvay	AMANA Contracting & Steel Building Co. WLL	AECOM / Obermeyer Middle East	CCTV, ANPR, Access Control Systems, Structured Cabling Systems, ICT, AV, BGM, Gate Barriers, Intercom
Commercial	<b>UAE Pavilion &amp; Berklee</b>	Abu Dhabi	January 2019	Department of Culture & Tourism	Scan Construction	GHD	Performance AV, CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, Active Components, UPS, BGM, WAP, IPTV
Commercial	<b>Department of Energy</b>	Abu Dhabi	September 2018	Department of Energy	Lindenberg Emirates	Khatib & Alami	Industrial Automation, Energy Management, iBMS, Visualization, CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, Active Components, UPS, AV, BGM, WAP, IPTV, Radio Systems.
Commercial	<b>Gulf Paradise - Residential &amp; Mixed Use Building</b>	Abu Dhabi	July 2018	Gulf Paradise	iZone Electromechanical Contractors LLC	GA Architects & Engineers	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Novotel (Accor Group) - 4 Star Hotel</b>	Dubai	April 2018	Action Hotels	Universal Voltas	Arif & Bintook Consulting Architects & Engineers	CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, GRMS, Active Components, UPS, AV, BGM, WAP, IPTV, Radio Systems.
Commercial	<b>Mens SPA (1847) Phase II</b>	Dubai	February 2018	The Grooming Company	The Grooming Company		AV Systems, Automation



## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>Digital Signage for ALDAR</b>	Abu Dhabi	October 2017	ALDAR Properties PJSC	Scan Construction	Jacobs	Digital Signage
Commercial	<b>Manarat Al Saadiyat</b>	Abu Dhabi	October 2017	Depratement of Culture and Tourism	Scan Construction	AEDAS Architects / HIDI RAE	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, AV, BGM
Commercial	<b>HIDD Al Saadiyat Mosques</b>	Abu Dhabi	March 2017	SDIC / LEAD	MCM Group	BEAD Architects & Engineers	AV, BGM, AZAN Systems
Commercial	<b>Mens SPA (1847)</b>	Dubai	March 2017	The Grooming Company	The Grooming Company		AV Systems, Automation
Commercial	<b>Magna HQ Offices</b>	Abu Dhabi	March 2017	Magna Investment LLC	Shield Contracting Company		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Al-Falah Community</b>	Abu Dhabi	January 2017	Al Dar Properties	Scan Construction	Jacobs	Community Wide Wireless Mesh CCTV Systems, Control Rooms
Commercial	<b>ADCE - Darmaki</b>	Abu Dhabi	December 2016	Abu Dhabi Commercial Engineering (ADCE)	Arabel	Khatib & Alami	CCTV, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, SMATV, BGM, Gate Barriers, Intercom
Commercial	<b>Nursery</b>	Dubai	July 2016	Little Stream Nursery	Little Stream Nursery		CCTV, ACS, Intrusion Detection





## List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	<b>Private Office for HHS. Diab Al-Nahyan</b>	Abu Dhabi	March 2016	HHS. Diab Al-Nahyan	INEX Interiors LLC	BEAD Architects & Engineers	ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Gravity Hotel</b>	Abu Dhabi	March 2016	Gravity Hotels & Resorts Management	Gravity Hotels & Resorts Management	Al Suweidi Engineering Consultant Bureau LLC	CCTV, ANPR, ICT, Access Control Systems, Structured Cabling Systems, Lighting Control Systems, GRMS, Active Components, UPS, AV, BGM, WAP. IPTV, Radio Systems
Commercial	<b>Private Mosque for HHS. Nahyan bin Moubarak</b>	Abu Dhabi	January 2016	HH. Sheikh Nahyan Bin Moubarak Al Nahyan	Dhabi Contracting	BEAD Architects & Engineers	AV, BGM, AZAN
Commercial	<b>Adenium HQ Offices</b>	Dubai	December 2015	Adenium Energy Capital	Adenium Energy Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Novus HQ Offices</b>	Dubai	December 2015	Novus Aviation Capital	Novus Aviation Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	<b>Cure Hospital (Phase I &amp; II)</b>	Abu Dhabi	September 2015	Advanced Cure Diagnostic Center LLC	Advanced Cure Diagnostic Center LLC	Khatib & Alami	CCTV, ACS, Intrusion Detection
Commercial	<b>Reebok Specialty Healthclub</b>	Dubai	May 2015	Functional Crossfit Center LLC	Lindenberg Emirates		AV, IPTV, BGM, Automation



## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	<b>Mr. Amer Abdulrahim Abdulla Mohamed Kazim</b>	Dubai	June 2020	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Emirati Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Crown Prince Court</b>	Abu Dhabi	March 2020	Crown Prince Court	Crown Prince Court		Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Mohd Abu Ghazaleh</b>	Dubai	March 2020	Mr. Mohd Abu Ghazaleh	Plus Palace General Contracting	Chakib Richani / Crown Engineering Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Ahmad Zaabri</b>	Abu Dhabi	November 2019	Mr. Ahmed Al-Zabri	Almed Real Estate Holding Limited	Ian Banham & Associates Consulting Engineers	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Rasha Al Moubarak (Abu Dhabi)</b>	Abu Dhabi	September 2019	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	MZ Architects	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Jassem Mohamed Obaid Mohd Al Zaabi</b>	Abu Dhabi	April 2019	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	Walk Through General Contracting LLC	A.D.D.	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa (Abu Dhabi)</b>	Abu Dhabi	March 2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry	Gemaco Interiors	Al Suweidi Engineering Consultants LLC	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa (Dubai)</b>	Dubai	March 2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry	Plus Palace General Contracting	Chakib Richani / Crown Engineering Consultants	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.




## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	<b>Mr. Nurreddin Sehweil</b>	Abu Dhabi	August 2018	Mr. Nureddin Sehweil	Mr. Nureddin Sehweil		Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E M.A. Al Bowardi</b>	Abu Dhabi	July 2018	Private Office of H.H. Sheikh Mohammad Bin Zayed Al Nahyan	MBZO	BEAD Architects & Engineers / SVK	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Ghassan Mikati</b>	Abu Dhabi	February 2018	Mr. Ghassan Mikati	Mr. Ghassan Mikati	XBD Collective	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Yousef Al Nowais</b>	Abu Dhabi	October 2017	H.E. Yousef Al Nowais	H.E. Yousef Al Nowais	BEAD Architects & Engineers	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Saif Al Assam</b>	Abu Dhabi	February 2017	MARSH Holding	Shield Contracting Co. WLL	BEAD Architects & Engineers	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Bachar Gebran</b>	Abu Dhabi	September 2016	Mr. Bachar Gebran	Mr. Bachar Gebran	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Wail Mazin Sadiq</b>	Dubai	March 2016	Mr. Wail Mazin Sadiq	Mr. Wail Mazin Sadiq		Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mrs. Iren Sourial</b>	Dubai	February 2016	Mr. Mokbel Sourial	Mr. Mokbel Sourial		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



## List of Projects - Residential

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Residential	<b>H.E. Rasha Al Moubarak</b>	Dubai	January 2016	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	LW Architects / WME	Comprehensive Home Automation Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Anupe Dhorajiwala</b>	Dubai	November 2015	Mr. Anupe Dhorajiwala	Mr. Anupe Dhorajiwala	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Usama Mohamed Ali Al Barwani</b>	Dubai	October 2015	H.E. Usama Mohamed Ali Al Barwani	H.E. Usama Mohamed Ali Al Barwani		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Muhammed Al Busaidi</b>	Abu Dhabi	August 2014	Mr. Muhammed Al Busaidi	Mr. Muhammed Al Busaidi		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>H.E. Jassem Mohamed Obaid Mohd Al Zaabi</b>	Abu Dhabi	July 2014	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	ADD Architects	Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	<b>Mr. Mokbel Sourial</b>	Abu Dhabi	March 2014	Mr. Mokbel Sourial	Mission Decoration		Comprehensive Home Automation & AV Systems inclusive of Lighting, HVAC and Window Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



# Approvals, Credentials & Completion Certificates



**PROJECT NAME** Media Zone Development

**TECHNICAL SUBMITTAL** ACONEX REFERENCE No. **YAS-MZ-ACC-EL-PQL-00048** REV **01**

Submital Originator: **ACC(BILT Middle East LLC)** Date: **07-Jan-20**  
 Received By: (Construction Supervisor) \_\_\_\_\_ Date: \_\_\_\_\_  
 Received By: (PMC) \_\_\_\_\_ Date: \_\_\_\_\_

**Subject of Submittal:** Media Zone - C40 & C41 - Pre-qualification Document of M/s Metric Technologies LLC for Supply, Installation, Testing & Commissioning of Security System (CCTV, Access Control & Intercom Systems)  VE Submittal  VE reference no. \_\_\_\_\_

- Discipline**
- Architectural
  - Electrical
  - Mechanical/Plumbing
  - Civil/Structural
  - Landscaping
  - Infrastructure
  - Others: Quality Management

Plot	C40 & C41
Level	All
Zone	All
Location	All



- Submittal Type**
- Prequalification of Subcontractor (PQL)
  - Method Statement (MST)
  - Operation & Maintenance (OMM)
  - Testing & Commissioning Reports (TRP)
  - Design Calculations (CAL)
  - Material Sample (MSA)
  - Material Requisition (MAR)
  - Test Results (TRE)
  - Technical Specifications (SPE)
  - Test Reports (TRR)
  - Project Quality Plan (QPL)
  - HSE Plan (HSP)

**Contractor's PM Sign:**

**RESIDENT ENGINEER REVIEW [Construction Supervisor] CONSULTANT'S COMMENTS**

**COMMENTS:**

Pre-qualification approval of the proposed Security System Integrator (M/s METRIC Technologies) is subject to the below conditions:

- As there is no financial audit report provided, M/s ACC or BILT is required to provide a written confirmation or taking full financial responsibility. M/s ACC or BILT to guarantee that all the project financial will be backed up through third party agreements; in case of M/s METRIC Technologies fails to complete the procurement and pay their subcontractor/suppliers on time.
- Provide an official letter confirming that M/s METRIC Technologies will complete the project and hand over to client in full compliance to design drawing, project specification, plans and authorities having jurisdiction requirements.
- Provide an organization chart specific to this project along with the CVs of the core team who will be working on Engineering & Construction for Consultant's/Engineer's review and approval prior to deployment to project site.
- All exposed/visible devices or equipments that requires aesthetic review are required first a sample approval from the Architect prior to submission of full technical submittal.
- Related installation method statement to be submitted for Consultant's/Engineer's review and approval prior to the start of site works.
- All required authority approvals to be carried out as part of the scope of works.
- As M/s METRIC Technologies has only 7 years of experience against a 10 years experience required by project specification, approval of M/s METRIC Technologies is subject to performance review & Client's approval.

Signature by: **Nilo M. Merencillo** DATE: **07 January 2020**

**ENGINEER REVIEW (Project Management Consultant)**

**COMMENTS:**

**APPROVAL SUBJECT TO ADDITIONAL EXTENDED WARRANTY OF 3 YEARS OVER AND ABOVE CONTRACTUAL REQUIREMENT.**

**APPROVAL SUBJECT TO SUPPLY OF SPARES OVER AND ABOVE CONTRACTUAL REQUIREMENT.**



Reviewed By:	NAME & SIGNATURE	DATE	FINAL STATUS
Construction Supervisor P.E / Technical Manager	Salah Essaa / Sami Bishara	07/01/20 8/1/20	<input type="checkbox"/> Code A - APPROVED <input checked="" type="checkbox"/> Code B - APPROVED AS NOTED <input type="checkbox"/> Code C - REVISE & REQUIRMENT <input type="checkbox"/> Code D - REJECTED <input type="checkbox"/> Code O - OBSOLETE
PMC Confirmation:		08/01/2020	

The Contractor (M/s ACC) undertakes full compliance with value engineering (VE) and Development Agreement/ MZA Employer's Requirements (ER) included in part-4 (other items) of Schedule 20. Any deviation from VE or ER will be Contractor's risk and responsibility with no entitlement to any additional time and cost, except as otherwise instructed by the Engineer. This approval does not waive any of the Contractor's obligations under the Contract.

Corrections or comments made relative to submittals during this review do not release the contractor from compliance with the contract requirements and specifications.

**Distribution**

Client  PMC  Construction Supervisors  Contractor  Others (Specify) \_\_\_\_\_



CLIENT



PMC



SUPERVISION



CONTRACTOR

PROJECT NAME

Media Zone Development

# TECHNICAL SUBMITTAL

ACONEX REFERENCE No.

REV.

YAS-MZ-ACC-SC-PQL-00082

00

Submital Originator: ACC (Metric)

Received By: (Construction Supervisor) \_\_\_\_\_

Received By: (PMC) \_\_\_\_\_

Date: 29-Mar-20

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Subject of Submittal: **Media Zone - C40 & C41 - Pre-qualification Documents of M/s Metric Technologies for Supply, Installation & Commissioning of Metal Detectors, Baggage Scanners, TV and Turnstiles**

VE Submittal VE reference no. \_\_\_\_\_

- Discipline
- Architectural
  - Electrical
  - Mechanical/Plumbing
  - Civil/Structural
  - Landscaping
  - Infrastructure
  - Others: Security System

Plot	C40 & C41
Level	All
Zone	All
Location	All

### Submittal Type

- Prequalification of Subcontractor (PQL)
- Method Statement (MST)
- Operation & Maintenance (OMM)
- Testing & Commissioning Reports (REP)
- Design Calculations (CAL)
- Material Sample (MSA)
- Material Requisition (MAR)
- Test Results (TRE)
- Technical Specifications (SPE)
- Test Reports (TR)
- Project Quality Plan (QPL)
- HSE Plan (REP)
- Daily Report (DPR)
- Certificate (CER)
- Program/Schedule (PRG)
- Estimate \_\_\_\_\_
- Others \_\_\_\_\_

Contractor's PM Sign: \_\_\_\_\_

### RESIDENT ENGINEER REVIEW (Construction Supervisor) CONSULTANT'S COMMENTS

#### COMMENTS:

- Project Manufacturer/Vendor's list does not include the "installer name" but only the systems/products brand name.
- The approval of this pre-qualification submittal does not mean that M/s METRIC Technologies has the sole right to supply Baggage Scanner, Metal Detectors & Gate Turnstile equipments/devices for this project.
- The approval to this pre-qualification submittal does not mean that the products/equipments from M/s METRIC Technologies partner supplier/manufacturer will be the devices/equipments to be used for this project.
- As M/s METRIC Technologies has only 7 years of experience against a 10 years experience required by project specification, approval of M/s METRIC Technologies is subject to performance review & Client's approval.
- All exposed/visible devices or equipments that requires aesthetic review are required first a sample approval from the Architect prior to submission of full technical submittal.

Signature by: Nilo M. Merencillo

Date: 13 April 2020

### ENGINEER REVIEW (Project Management Consultant)

#### COMMENTS:



Reviewed By:

NAME & SIGNATURE

DATE

FINAL STATUS

Construction Supervisor R.E./ Technical Manager

Salah Fsees / Sami Risham

13/04/20




- Code A - APPROVED
- Code B - APPROVED AS NOTED
- Code C - REVISE & RESUBMIT
- Code D - REJECTED
- Code E - OBSOLETE

PMC Confirmation: \_\_\_\_\_


The Contractor (M/s ACC) undertakes full compliance with value engineering (VE) and Development Agreement/MZA Employer's Requirements (ER) included in part-4 (other items) of Schedule 20. Any deviation from VE or ER will be Contractor's risk and responsibility with no entitlement to any additional time and cost, except as otherwise instructed by the Engineer. This approval does not waive any of the Contractor's obligations under the Contract.

Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the contract requirements and specifications.

Distribution  Client  PMC  Construction Supervisor  Contractor  Others (Specify) \_\_\_\_\_

	<h1>AD Ports Group Project</h1>	 
<b>PROJECT TITLE</b>	Contract No. 2300-203 Title: Refurbishment of ATLP Centre Building at ZonesCorp	


**Prequalification Approval Request for ELV Works(Alternative)  
Subcontractor: M/s. Metric Technologies**

CONTRACTOR'S VERIFICATION STAMP
We, Freiburg Contracting and General Maintenance LLC, verify that this contractor's document: <ul style="list-style-type: none"> <li>• Has been produced and checked in accordance with contractor's quality assurance plan</li> <li>• Is of a standard that will enable the employer to accept it in accordance with the contract</li> <li>• Complies with all requirements of the contract</li> </ul>
Following deviations to contract are referenced for which a dispensation has been accepted by the employer: <p style="text-align: center;">None</p>
Other related letters/CTIs which document clarifications associated with this document are listed below: <p style="text-align: center;">None</p>
Consultant/Contractor's Project Manager:  <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">                       _____                      Signature                 </div> <div style="text-align: center;">                     25/11/2022                      _____                      Date                 </div> </div>

DOCUMENT STATUS STAMP		
haneen.alabbadi 30-11-2022 _____ AD Ports Group	Code 2 _____ Code	
<input type="checkbox"/>	Code 1:	Work may proceed.
<input type="checkbox"/>	Code 2:	Revise & Resubmit. Work may proceed subject to incorporation of comments indicated.
<input type="checkbox"/>	Code 3:	Revise & Resubmit. Work may not proceed.
<input type="checkbox"/>	Code 4:	Review not required. Work may proceed.
The statement "work may proceed" applies to the following work activities associated with the matters contained within the contractor's document:		
Any review, comment or acceptance by employer under this contract with respect to any of contractor's documents shall not in any way be, or deemed to be, an approval of any works or an acceptance that the contractor's documents meet the requirements of the contract, as contractor has the sole responsibility for performing the works in accordance with the requirements of this contract.		
<b>CONSULTANT COMMENTS:</b>		

CODE 2

**Document Number: 2300-203-NQ-7100-00003** Refer to the attached Consultant comment

  
 Eng. Basheer Abu Zeid  
 MEP Manager




Rev	Date	Reason For Revision	Prepared	Checked	Approved
002	25-Nov-2022	Issued for Approval	(Mansoor P)	(Wael Khatib)	(Wael Khatib)
001	13-Oct-2022	Issued for Approval	(Mansoor P)	(Wael Khatib)	(Wael Khatib)

Holders of registered copies receive revisions to this document, should they occur, with a request that the superseded copy be destroyed. Registration of copies ceases at taking over date. The revision number is included at the end of the document number, which is noted in the right of the bottom of each page. When amendments occur, the whole document is re-issued with the revision number updated accordingly.




- (1) Revisions are shown in italics. Deletions are hidden. Earlier additions revert to normal text in subsequent amendments
- (2) The QA Manager reviews and the project Manager approves amendments by signature on the cover sheet to the document
- (3) **The document controller maintains a Register of the holders of this document**
- (4) Amendments to the document are distributed according to (1) above and this I reflected in the register

The document controller keeps the original of the latest version of this document






 <b>مجموعة موانئ أبوظبي</b> <b>AD PORTS GROUP</b>	<b>AD Ports Group</b> Contract No. 2300-203 Refurbishment of ATLP Centre Building at ZonesCorp	  <b>فرايبورغ</b> للتداول والصيانة العامة لمرم Contracting & General Maint. L.L.C.
	<b>Prequalification Request for ELV Works</b>	<i>Doc Ref No.</i> 2300-203-NQ-7100-00003
		<i>Rev No</i> 002
		<i>Date</i> 25/11/2022

Pre-Qualification		Date: 25-Nov-2022
-Document No.: 2300-203-NQ-7100-00003		
Description of Item Submitted	ELV System	
Design Concession Required <input type="checkbox"/> Yes / <input type="checkbox"/> No	If yes: Reference: Yes	
1. Description of works	ELV subcontractor for the following: 1. CCTV System. 2. Structured Cabling System. 3. Access Control System. 4. IPTV System. 5. AV System. 6. Digital Conference System. 7. Queue Management System. 8. Master Clock System.	
Name of Product:		
Location of Use:		
2.Trade license :	CN-1674035	
3.Commercial license	Attached	
4. Reference Drawing(s):		
5. Required on Site (Date):	As per site requirement	
6.Attached Documents:		
<input checked="" type="checkbox"/> Manufacturer Literature:	Attached	
<input type="checkbox"/> Compliance Statement: ( if applicable )		
<input type="checkbox"/> Test Certificate / Report:		
<input type="checkbox"/> Guarantee / Warranty : Manufacturer / Supplier:		
<input type="checkbox"/> Material Safety Data Sheet:		
<input type="checkbox"/> Risk assessment / Method statement ( if applicable ):		
<input checked="" type="checkbox"/> Authority approval: (ADM/ADCD/ADDC & etc.)	Please refer to index No. 9	

 <b>مجموعة موانئ أبوظبي</b> <b>AD PORTS GROUP</b>	<b>AD Ports Group</b> Contract No. 2300-203 Refurbishment of ATLP Centre Building at ZonesCorp	  <b>فرايبورغ</b> للصيانة العامة للمباني Contracting & General Maint. L.L.C.
	<b>Prequalification Request for ELV Works</b>	<i>Doc Ref No.</i> 2300-203-NQ-7100-00003
		<i>Rev No</i> 002
		<i>Date</i> 25/11/2022

<input checked="" type="checkbox"/> Company organization chart	Please refer to index No. 3
<input checked="" type="checkbox"/> List of equipment / machinery	Please refer to index No. 6
<input checked="" type="checkbox"/> Tools / Equipment – Calibration C	
7. Previous Project approval ( Abu Dhabi )	Please refer to index No. 9
8. ADPORTS Vendor list - compliance	
9. Estidama Compliance ( if applicable )	

3

Prepared by	Checked by	Approved By
Mansoor P	Wael Khatib	Wael Khatib
		
Mechanical Engineer	Project Manager	Project Manager



## ALDAR PROPERTIES PJSC

### QUALITY PRE-QUALIFICATION SUBMITTAL

<b>PROJECT</b>	Main Construction Works for Precincts E & F in Yas Acres Development, UAE		
<b>CLIENT</b>	Aldar Properties PJSC (ALD)	<b>Date</b>	12-August 2023
<b>PMC</b>	AECOM Middle East Ltd.(ACM)	<b>Doc. Ref:</b>	YAS-YA-BW-TGC-ZZ-NR-XX-PQ-LC-00019
<b>CONSULTANT</b>	AECOM Middle East Ltd.(ACM)	<b>Rev No:</b>	P00
<b>CONTRACTOR</b>	Trojan General Contracting LLC (TGC)		
<b>DISCIPLINE</b>	ELV System		




DETAILS			
<b>SUB-CONTRACTOR</b>	M/s METRIC TECHNOLOGIES L.L.C		
<b>JOB DESCRIPTION</b>	Supply, Installation, Testing & Commissioning of ELV Systems - ICT & Telecom, Security CCTV, Access Control System & Gate Barrier System for Non-Residential (Mosque, Community Centre & Gate House)		
<b>ADDRESS</b>	PO BOX: 3155, ABU DHABI		
<b>ATTACHMENTS</b>	Yes.		
<b>COMMERCIAL REGISTER</b>	Attached.		
<b>INCLUDED IN VENDOR LIST</b>	YES <input type="checkbox"/>	NO <input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
<b>FINANCIAL STATUS</b>	Stable.		
<b>CURRENT PROJECT</b>	Attached.		
<b>OTHERS (LIST ANY)</b>	<input checked="" type="checkbox"/> Company profile <input checked="" type="checkbox"/> Organization chart <input checked="" type="checkbox"/> Trade License <input checked="" type="checkbox"/> ISO Certifications <input checked="" type="checkbox"/> Copies of previous project Approvals	<input checked="" type="checkbox"/> List of current and completed projects for UAE/Region with photos <input type="checkbox"/> Compliance statement <input type="checkbox"/> Appreciation from Entities <input type="checkbox"/> List of bankers <input checked="" type="checkbox"/> Others	
<b>CONTRACTOR PROJECT MANAGER</b>		<b>SIGNATURE</b>	<b>DATE</b>
NAME: Salah Elsayed Yousef Mohamed			
<b>Received by Consultant</b>		<b>SIGNATURE</b>	<b>DATE</b>
NAME:			



# ALDAR PROPERTIES PJSC

## QUALITY PRE-QUALIFICATION SUBMITTAL

<b>PROJECT</b>	Main Construction Works for Precincts E & F in Yas Acres Development, UAE		
<b>CLIENT</b>	Aldar Properties PJSC (ALD)	<b>Date</b>	12-August 2023
<b>PMC</b>	AECOM Middle East Ltd.(ACM)	<b>Doc. Ref:</b>	YAS-YA-BW-TGC-ZZ-NR-XX-PQ-LC-00019
<b>CONSULTANT</b>	AECOM Middle East Ltd.(ACM)	<b>Rev No:</b>	P00
<b>CONTRACTOR</b>	Trojan General Contracting LLC (TGC)		
<b>DISCIPLINE</b>	ELV System		

<b>Recommendation by Consultant Representative:</b> 1. Specialist contractor shall only utilized product/system that are part of the approved Project Manufacturer/Vendor List and confirmation that these materials shall be available without substitution from approval to completion of the project. 2. Contractor to confirm that all materials to be proposed are capable to be : a. Fully integrated with ALDAR YAS ACRES CENTRAL monitoring stations for CCTV and Access Control System that should include INFRA works in accordance with project specification and authority requirement. b. Having all related software and upgrades available for seamless integration. This concern shall be mentioned on material submittal which will be submitted separately. 3. Main Contractor (Trojan,NPC/Royal Advance engineering team) shall engage with the specialist sub-contractor regularly to avoid any potential coordination issues (common issues like associated system power requirement, containment and finishing provisions). 4. Specialist sub-contractor shall actively arrange all necessary authorities permit including pre and/or post contract for commencement of works. 5. Prior to commencements of work, the below list should be complied: a. Material submittal and related Shop drawing are approved. b. Method statement of installation should be approved. c. List of manpower organizational chart should be submitted dedicated for the project. Any manpower found working at site not part of the manpower list will received an NCR. d. M/s METRIC TECHNOLOGIES L.L.C should provide competency/training certificate for the product/system that will be utilized for this project issued by the approved system manufacturer. 6. Specialist sub-contractor shall strictly adhere to the project safety plan. 7. Refer to the attached email and letter from M/s Metric Technologies for future reference with regards to system integration 8. Any requirement/s to be able to seamlessly integrate the CCTV and Access Control System that are under the Infra scope of work should be covered by this scope of work and no time and cost impact to the client			<b>STATUS</b> <input type="checkbox"/> Code A – Authorized as Published <input checked="" type="checkbox"/> Code B – Authorized with Comments <input type="checkbox"/> Code C – Revise & Resubmit <input type="checkbox"/> Code D - Rejected <input type="checkbox"/> Code E – No Authorization Required/For Info
Consultant Representative Name: Khaled Hamed – RE.	Signature: 	Date 17-Aug-23	Stamp 
Client/ PMC Representative Name: Mohammed Alhasan - PM	Signature: 	Date 17-Aug-23	Stamp
Received by Contractors Representative Name:	Signature:	Date	Stamp
Note: Checking and approval by PMC/Consultant shall not relieve the contractor of his obligation to perform the works in accordance with the contract documents, requirements of safety and local authorities regulations.			

*Nilo Merencillo*  
16/08/2023

Consultant		Client		Contractor		FORM DT Rev.0	
		دائرة البلديات والنقل DEPARTMENT OF MUNICIPALITIES AND TRANSPORT بلدية مدينة أبوظبي ABU DHABI CITY MUNICIPALITY				Client	Department of Municipalities and Transport
						Consultant	Parsons International Limited
						Contractor	AI Ryum Con. & Gen. Trans. LLC
Project		Establishment of Parks & Playgrounds in Miscellaneous Areas in Khalifa City -Package 3		Contract No.		DMT/CR/043/2023	
Transmittal Ref. No.		ARG-PAR-P3-P7-PQN-EL-005-00		Date		14-08-2023	
Transmittal is Issued for your		<input type="checkbox"/> Information		<input type="checkbox"/> Co-ordination		<input type="checkbox"/> Review & Comments	
						<input checked="" type="checkbox"/> Approval	
Doc. Type		<i>PREQUALIFICATION</i>					
<input type="checkbox"/> Civil		<input checked="" type="checkbox"/> Electrical		<input type="checkbox"/> Water		<input type="checkbox"/> Stormwater	
						<input type="checkbox"/> Sewer	
						<input type="checkbox"/> Irrigation/ Land Scaping	
<b>I. Information</b>							
SN	Sub-Contractor's Name			Submittal No.		Revision	Remarks
1.	Pre-qualification for CCTV System (Sub cont : Metric Technologies)			ARG-PAR-P3-P7-PQN-EL-005		00	
<b>II. For the Contractor</b>							
Engr. Eiad Nikola Wakim				14-08-2023			
Name				Date			
<b>III. Received By Consultant</b>							
						Stamp	
Name		Signature		Date			
<b>IV. Consultant Review and Comments</b>							
<p>* Approval subject to satisfactory performance and compliance with ADMCC/ADM specification, approved contract drawings and method statement.</p> <p>* Approval does not relieve the Contractor for their responsibility for conformity to the Contract specification and satisfactory performance.</p> <p>* This approval for pre-qualification of the subcontractor. Material Submittal should be submitted separately for review and approval.</p>							
				Checked By: Saad Mutasim Date: 15/08/2023 Time:			
<input type="checkbox"/> A - Approved		<input checked="" type="checkbox"/> B - Approve As Noted		<input type="checkbox"/> C - Resubmit		<input type="checkbox"/> D - Not Approved	
<b>V. For Consultant</b>							
Eng. Ahmed Emam				15-08-2023			
Resident Engineer				Date			
<b>VI. Received by Contractor</b>							
						Stamp	
Representative		Signature		Date			

Note: This Approval does not relieve the contractor from any of his contractual obligations

## Procedures for Transmittals Action

Attachment To Transmittal Sheet

<b>Project name :</b>	Refurbishment of ATLP Centre Building at ZonesCorp			
<b>Contractor :</b>	Freiburg Contracting and General Maintenance LLC			
<b>Transmittal :</b>	2300-203-NQ-7100-00003	<b>Rev.002</b>	<b>Date:</b> 25 November 2022	
<b>Description:</b>	<b>Prequalification Approval Request for ELV Works(Alternative)</b> Proposed Subcontractor: <b>M/s Metric Technologies</b>			
<b>Status:</b>	<input type="checkbox"/>	Code 1- Work may proceed	<input checked="" type="checkbox"/>	<b>Code 2 - Revise &amp; Resubmit. Work may proceed subject to incorporation of comments indicated.</b>
	<input type="checkbox"/>	Code 3- Revise & Resubmit. Work may not proceed.	<input type="checkbox"/>	Code 4 - Review not required. Work may proceed.

### CONSULTANT RESPONSE:

1. We concur with Contractor respond to Capital previous comments
2. No objection for **M/s Metric Technologies** as subcontractor for ELV systems.
3. Submit the shop drawing, method statement and material submittal as per project specification for approval.
4. Provide description of special system mentioned in the scope of work letter.
5. Provide project quality plan and safety plan of the project.
6. Submit authorized letter for CCTV system in order to proceed with MCC submission.
7. To be complied with Authorities regulations, AD-MCC.
8. Ensure that all works and proposed materials are in strict compliance with project specification and contract documents.
9. Submit list of equipment's long lead items and confirm the time of submission, planned delivery date in line with base line program.
10. To be coordinated with all the related parties for the installation, Testing and commissioning.
11. Maintenance will beyond Defect Liability and shall not monopoly.
12. To be complied with contract documents.
13. Need to adhere with safety measures.
14. The works should be executed by **Metric Technologies**.
15. Submit manpower histogram and list of site engineers, Forman and technicians.
16. Submit CVs of site Engineers of low current installation as well as T/C Engineer.
17. This approval does not relieve the Main Contractor from full compliance with contractual obligations.

(The End)

**Consultant Signature & Stamp**

**Date:** 29<sup>th</sup> Nov 2022




**Engr. Basheer Abu Zeid**  
MEP Manager

**SUBCONTRACTOR SUBMITTAL / APPROVAL FORM**

<b>Contract No:</b> ADBH/AR/001/2023	<b>Work Package:</b>
<b>TITLE:</b> Structured Cabling System	<b>SUBMITTAL NO:</b> AJ-465-P-HIE-EN-PQL-5500
<b>TO:</b> M/s. Hill International	<b>DATE:</b> 25-Jul-2023
<b>FROM:</b> M/s. Amana Contracting & Steel Building Company WLL	<b>REVISION NO:</b> 00
<b>ATTN:</b> Mr. Mahmoud Almusa	<b>C/REF:</b> ADBH/AR/001/2023

**SUBCONTRACTOR / SUPPLIER SUBMISSION DESCRIPTION**

**Discipline:** Low Current

Company Name	M/s Metric Technologies L.L.C
Local Status	LLC
Registered Address	Abu Dhabi, UAE
Head Office Address	Abu Dhabi, UAE
Activity to be Undertaken	Design Review, Supply, Installation, Testing and Commissioning of Structured Cabling System
ISO Certification	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Specification/Contract Document Reference	As per Contract Requirements
Description of Attachments	Prequalification Documents
Comparison in case of Alternative Submittal	Not Applicable

Submitted By Contractor's Rep.: **Mr. Nabil AbouRialy**



**PROJECT MANAGEMENT / SUPERVISION CONSULTANT'S (HILL) REVIEW**

Please find attached the Submittal Review Comments  
Form Ref. No. ADB-BH-PK04-W-HI-SRC-A-0254

Name: Eng. Mahmoud Almusa Signature: [Signature] Date: 26-July-2023

**EMPLOYER'S COMMENTS (optional)**

(For additional comments attach Submittal Review Comments form Ref. PAD-1112-PP-02-10-FM where applicable)

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**PROJECT MANAGEMENT / SUPERVISION CONSULTANT'S (HILL) COMMENTS**

- A-Approved**    
 **B- Approved As Noted, Work with Sub-Contr. May Proceed Subject to Incorporation of Comments & Resubmittal within ..... days**    
 **C-Approved with Comments, Work with Sub-contr. May NOT Proceed, Revise & Resubmit.**    
 **D-Rejected**

(For additional comments attach Submittal Review Comments form Ref. PAD-1112-PP-02-10-FM where applicable)

**DATE RECEIVED:** \_\_\_\_\_ **DATE RETURNED:** \_\_\_\_\_

**PROJECT MANAGEMENT / SUPERVISION CONSULTANT REPRESENTATIVE'S SIGNATURE**

For & On behalf of  
Name: M. Almosaet Signature: [Signature] Date: 26.7.23

**SUBMITTAL REVIEW COMMENTS FORM**

PREVIEW BY:  DESIGN CONSULTANT  SUPERVISION CONSULTANT (ENGINEER)  PMC (HILL)  OTHER

TYPE OF SUBMITTAL: Document Submittal SUBMITTAL NO.: AJ-465-P-HIE-EN-PQL-5500.00 TRANSMITTAL NO.: ADB-BH-PK04-W-HI-AC-TRN-MA-0240

SUBJECT: Prequalification for M/s Metric Technologies L.L (Structured Cabling System) SUB. REVIEW REF. ADB-BH-PK04-W-HI-SRC-A-0254 REVIEW / APPR. STATUS: B

Item No.	Title / Reference No. of Document Reviewed	Review Comments	Review Basis (Specify Contract / Specification Clauses)
1.	AJ-465-P-HIE-EN-PQL-0550.00	PQ submittal comments are listed as below :	
		<ul style="list-style-type: none"> <li>Manufacturer Authorization letter to be provided for the proposed brands related to the project.</li> <li>The works should be complied with all contract requirements and Authorities.</li> </ul>	
		- N F -	

Reviewer Company Name: Hill International

Reviewer's Name: Eng. Zuhair Abualasal Designation: Electrical Engineer Signature Zuhair Date 26-Jul-2023

Reviewer's Name: Eng. Mahmoud Almusa Designation: Sr. Project Manager Signature Mahmoud Date 26-Jul-2023

\*Review Status Legends: **A**-Approved

**B**-Approved As Noted, Incorporate Comments

**C**-Reviewed with Comments, Revise & Resubmit

**D**-Rejected

Submittal Review Ref.:

Page 1 of 1

Doc / Form No. PAD-112-PP-02-10-FM Rev.0  
Revision Date: 28-Feb-2023





**DOCUMENT TRANSMITTAL FORM (DTF)**

**Contract No:** \_\_\_\_\_ **Work Package:** PK04

**TO:** Amana Contracting & Steel Building Company WLL **TRANS. NO:** ADB-BH-PK04-W-HI-AC-TRN-MA-0240  
**FROM:** M/s. Hill International **DATE:** 26 July 2023  
**ATTN:** Mr. Nabil AbouRialy **C/REF:** ADBH/AR/001/2023

WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:	
<input checked="" type="checkbox"/>	Documents	<input type="checkbox"/>	Approval	<input type="checkbox"/>	A - Approved
<input type="checkbox"/>	Drawings/Sketch	<input type="checkbox"/>	Review & Comments	<input checked="" type="checkbox"/>	B - Approved as noted, Incorporate Comments
<input type="checkbox"/>	Report	<input type="checkbox"/>	As Requested	<input type="checkbox"/>	C - Reviewed with comments, Revise & Re-submit
<input type="checkbox"/>	Change Order	<input type="checkbox"/>	Information / Records Only	<input type="checkbox"/>	
<input type="checkbox"/>	Letter	<input checked="" type="checkbox"/>	For Necessary Action	<input type="checkbox"/>	D - Rejected
<input type="checkbox"/>	Invoice	<input type="checkbox"/>	Other:	<input type="checkbox"/>	
<input type="checkbox"/>	BOQ/Specification	SENT VIA:		<input type="checkbox"/>	
<input type="checkbox"/>	Other:	<input checked="" type="checkbox"/>	Attached	<input type="checkbox"/>	
		<input type="checkbox"/>	Separate Cover	<input type="checkbox"/>	

Item No.	Submittal or Document No.	Rev. No.	Date	Description of Submittal or Document Title	Copy
1.	AJ-465-P-HIE-EN-PQL-5500	00	25/07/2023	Prequalification for M/s Metric Technologies L.L (Structured Cabling System)	Hard & Soft Copy
	- NF -			- NF -	

**Response: Approved as noted** **\*Approval Status\*:** B

Item No.	Submittal or Document Ref. No.	Rev	Date	Description of Submittal or Document Title	Status

Sender Name: Eng. Mahmoud Almusa *26.7.2023*  
 Designation: Project Manager Signed by Sender

Received By Recipient \_\_\_\_\_ Date \_\_\_\_\_ Title \_\_\_\_\_

Copy Distribution  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_



**\*Legends: A- Approved B- Approved As Noted, Incorporate Comments C- Review with Comments, Revise & Resubmit D- Rejected**

PA



Project: The Peninsula – Plot D.01 Residential & Retail Bldg on BB.A03.055  
Plot No. D.01  
Client: Select Global Development LLC on behalf of Capitol 4 limited

Client	Main Consultant	Contractor
	 Dubai Consultants architects, engineers, design consultants PO Box 81385, Dubai, UAE, T+971 4 3262431 F+971 4 3262437 www.dubaiconsultants.ae	

**SUB-CONTRACTOR PRE-QUALIFICATION**

Document submitted for:  Approval  Information

Date of Submission: 06/03/2023 Submission No: ABM-PQD-MEP-0040 Rev: 1

Civil  MEP  Others

Description of works & services proposed for sub-contractor:  
Prequalification Document for ELV System (Video Intercom System, Structured Cabling System, Access Control System, CCTV System & Gate Barrier System)

Name & Address of proposed sub-contractor:  
M/s. M/s. Metric Technologies LLC  
P.O. Box 3155 Abu Dhabi, UAE

Specified  Equivalent /Alternative  Deviation  Not specified/NA

License No: 819657 Expiry Date: 21.11.2023  
Copy of Agreement between main contractor and proposed subcontractor  
 Attached  Not Attached

Contractor: M/s. Al Basti & Muktha LLC  
Originator:   
Name: Suresh Babu K.S. Designation: Project Manager  
Sign: Signature with date:

Received by Consultant: Name & Designation:

Consultants Comments:

⇒ PA is approved based on the site visit dated 2.03.2023 and the compliance report attached for the previous comments.  
⇒ Complete works shall be executed as per the project specifications and local authority standards.

Dubai Consultants Architects Engineers Design Consultants PO Box 81385 Dubai, UAE T +971 4 3262431 F + 971 4 3262437 www.dubaiconsultants.ae	
Cat Approval Status	
A Approved <input checked="" type="checkbox"/>	B Approved with Comments <input type="checkbox"/>
C Revise & Resubmit <input type="checkbox"/>	D Rejected <input type="checkbox"/>
Reviewed By:	Sign:

Employer comments :

Contractor is deemed to be satisfied instruction is approved to install systems to be incorporated in project material submittals remain to be approved.  
Contractor is deemed satisfied proposed programme deliverables  
- extended warranty will be

- A -Approved
- B - Approved with comments
- C - Rejected
- D - Information & record

Reviewed by :SG Date :  
Received by ABM Date :

\*\* Important : Permission to Proceed does not reliver contractor from full compliance with contractual obligations.

Required for systems which are outside vendor list and not equivalent to project noting no have or cost impact. Fully compliance contract requirements required.



Ref. No. ABM-J647-PQ-001

## REVIEW COMMENT SHEET

Reference. No. [Rev]	MPL-ANIC-NP-TX-PQ-00001	A0	01 March 2023
Project Name	Masdar Park	anic-TRANSMIT-000273	
Subject	Prequalification Document for Systems Integration Security, ELV, ICT, AV & Home Automation specialist (M/s Metric Technologies LLC)		
Area	Project wide	Doc. Type:	Prequalification

### RESPONSE SUMMARY

**No objection in principle for the proposed ICT specialist M/s Metric Technologies LLC subject to follow:**

- a) Subcontractor to Attach a detailed Quality plan.
- b) Attach the certificates of manpower/engineers required on site i.e., BICSI or equivalent.
- c) List down the details of tools & equipment used for installation.
- d) Subcontractor to list all site required qualified staff.
- e) List the details of key personals with Complete contact details.
- f) **Shall be ADMCC approved vendor/Integrator. (To be presented)**

Attachments (if any):	List down attachments in order and indicate the reference number where available.
	Related Reference

PREPARED BY:	REVIEWED AND RECOMMENDED BY:	DOCUMENT STATUS	
<b>SHOAIB UL HASSAN</b>	<b>Thaer Jaradat</b>	A – APPROVED	<input type="checkbox"/>
		B – APPROVED AS NOTED	<input checked="" type="checkbox"/>
		C – REVISE AND RESUBMIT	<input type="checkbox"/>
Related reference		D – OTHERS	<input type="checkbox"/>

**DRAFTER'S NOTE: APPROVED AS NOTED** means document is Approved, resubmission not required. Comments to be incorporated into as-built / at handover and final documentation.  
 Corrections or comments made relative to submittals during this review do not relieve the contractor / consultant to comply with the contract requirements and specifications.  
 This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents.

**Distribution**

Employer     
  Project Manager     
  Lead Consultant     
  Contractor     
  Others: \_\_\_\_\_



DOCUMENT REVISION HISTORY			
REV. NO.	DESCRIPTION	DATE	OUR TRANSMITTAL

Contract Ref.: MC-SREM-PDM-EA-22-29047  
 Contract Title: Construction of Masdar Parks and Landscape in Masdar City - Abu Dhabi

<b>Client</b> <b>MASDAR CITY</b> مدينة صددر	<b>Consultant</b> <b>AECOM</b>	<b>Contractor</b> <b>النصر</b> <b>ALNASR</b>
Masdar PO Box 54115, Abu Dhabi, United Arab Emirates Office +971 2 653 3333 Fax+971 2 653 1006 http://www.masdar.ae	AECOM 10th Floor International Tower, Capital Gate, Abu Dhabi, UAE Phone+971 2 6134000 Fax+971 2 6134001 https://aecom.com/	Al Nasr Contracting Company LLC Abu Dhabi, P.O.Box 2436, UAE T +971 2 642 0002   F +971 2 642 0228 Dubai, P.O.Box 122979, UAE info@alnasruae.com   www.alnasruae.com

**Documents Submittal Form**

Document Number	MPL-anic-NP-TX-PQ-00001	Rev :	00
Document Type	Pre-qualification		
Document Description	Prequalification Document for Systems Integration Security, ELV, ICT, AV & Home Automation specialist - M/s Metric Technologies Abu Dhabi, U.A.E.		
B.O.Q.Ref.	N/A		
Specification Clause Ref	N/A		
Drawing Ref	N/A		
Date of Issue	28-Feb-23	Approval Requested by	14-Mar-23
			Issued for <input checked="" type="checkbox"/> Review/Approval <input type="checkbox"/> Information / Record

Head Contractor	QA/QC Manager	Rosemarie Paña	Signature	
	Projects Manager	Waseem Ali Malook	Signature	

<u>Received by AECOM</u>	<u>Comments by AECOM</u>
--------------------------	--------------------------

_____ (Date)	<div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <input type="checkbox"/> Accepted  <input type="checkbox"/> Accepted as Noted  <input type="checkbox"/> Rejected  <input type="checkbox"/> Revise and Resubmit         </div>
-----------------	---

<u>Returned to Contractor</u> _____ (Date)	AECOM Representative _____ (Signature) _____ (Date)	AECOM Project Manager _____ (Signature) _____ (Date)
--	---	--



**AL MAFRAQ SQUARE DEVELOPMENT CONSTRUCTION OF SHOPPING MALL  
SUBCONTRACTOR SUBMITTAL / APPROVAL FORM**

Contract No: \_\_\_\_\_ Work Package: \_\_\_\_\_

<b>TITLE:</b> Supply, Installation and Testing Commissioning of CCTV, Access Control, SMATV and Structured Cabling System	<b>SUBMITTAL NO:</b> AJ-417-P-EN-PQL-5001-01
<b>TO:</b> M/s. KEO International Consultants	<b>DATE:</b> 23.09.2019
<b>FROM:</b> M/s. Amana Contracting and Steel Building Co. W.L.L	<b>REVISION NO:</b> 01
<b>ATTN:</b> Mr. Ashraf Owaida (Project Manager)	<b>C/REF:</b> _____

**SUBCONTRACTOR / SUPPLIER SUBMISSION DESCRIPTION**

Discipline: Electrical/ELV

Company Name	M/s. Metric Technologies L.L.C
Local Status	Limited Liability Company
Registered Address	P.O. Box. 3155, Abu Dhabi, UAE
Head Office Address	P.O. Box. 3155, Abu Dhabi, UAE
Activity to be Undertaken	Supply, Installation and Testing Commissioning of CCTV, Access Control, SMATV and Structured Cabling System
ISO Certification	ISO 9001:2015, ISO 45001:2018 and ISO : 14001:2015
Specification/Contract Document Reference	Volume 2, Part II : Electrical Specifications   Section 12,16,17,19,21
Description of Attachments	Prequalification Documents
Comparison in case of Alternative Submittal	Not Applicable



Submitted By Contractor's Rep.: Mr. Sami Yakan | Project Manager Signature: \_\_\_\_\_

**PROJECT MANAGEMENT CONSULTANT'S REVIEW**

*Refer to the attached Comment sheet.*

Name: \_\_\_\_\_ Signature: [Signature] Date: 28/09/19

**EMPLOYER'S COMMENTS (optional)**

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_



A-Approved  B- Approved As Noted  C-Revise & Resubmit.  D-Not Required

DATE RECEIVED: \_\_\_\_\_ DATE RETURNED: \_\_\_\_\_

For & On behalf of M/s KEO International Consultants  
Name: Mr. Ashraf Owaida | Project Manager Signature: [Signature] Date: 29/9/19

# Prequalification Approval Request

<b>Project Title:</b> Construction of Silal's Wheat Silo Project	<b>Consultant :</b> Cosmos Engineers & Consultants
<b>Client :</b> Silal Food & Technology LLC	<b>Contractor :</b> Amana Contracting & Steel Building Company WLL

<b>Submittal Ref No.</b>	<b>Revision</b>	<b>Date of Submittal</b>
200-AMN-PREQ-E-0004	00	03/Nov/2022

S/R #	Description of Document	No. of Copies
1	M/s. Metric Technologies LLC Supply, Installation, Testing & Commissioning of CCTV, Access Control System & Structured Cabling System and also Success hand over to All relevant authorities.	1

<b>Prepared by Contractor DC:</b>		<b>Reviewed by SR. Coordinator</b>		<b>Received by Consultant</b>
<b>Date:</b> 03-11-22	<b>Signature:</b>	<b>Date:</b> 03-11-22	<b>Signature:</b>	<b>Signature:</b>
<b>Reviewed by Project Engineer - MEP</b>		<b>Approved for Submittal by Project Manager</b>		<b>RECEIVED</b> By Angie at 12:24 pm, Nov 04, 2022
<b>Name:</b> Lotfy Maher El Gharably	<b>Signature:</b>	<b>Name:</b> Ehab Ghattas	<b>Signature:</b>	
				<b>Stamp:</b>

For Use By Consultant:  
**Comments:**  
The proposed contractor shall be completely responsible for handing over to the authority as per the standards and shall held responsible for handing over to the client as a complete working system as per the contract

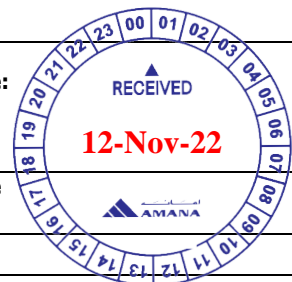
**Approval Status**    **A - Accepted**    **B - Accepted with Comments**    **C - Revise & Resubmit**    **D - Rejected**  

**Consultant Resident Engineer:**  
**Name:** Tamer Ali      **Signature:**      **Date:** 12/11/22

**Note:** The above comments / or acceptance does not relieve the Contractor from his obligation in the contract.

**CC:** Client: 1 copy (With All Attachments)  (Cover Page only)

<b>Received By the Contractor – One copy with Attachment</b> <b>Name:</b>	<b>Signature:</b>	<b>Date:</b>
<b>Subcontractor</b>	<b>Subcontractor Ref:</b>	<b>Date</b>
<b>Section reserved for Contractor use only :</b>		



## Project Silk

### Prequalification Submittal

Contractor	Amana Contracting & Steel Building Co. W.L.L.	Document submittal no.	AJ-418-P-EN-PQL-5002-01
Contract no.		Date	03-Apr-19
To the Engineer	Obermeyer Middle East		

Document no.	Type	Description	Rev no.	Action required
AJ-418-P-EN-PQL-5002		Prequalification for Supply & Installation of ELV Systems (Telephone, Data, CCTV, Access Control, PA System & Audio Visual) – M/s Metric Technologies	01	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Comments <input type="checkbox"/> Information <input type="checkbox"/> Other
				<input type="checkbox"/> Approval <input type="checkbox"/> Comments <input type="checkbox"/> Information <input type="checkbox"/> Other
				<input type="checkbox"/> Approval <input type="checkbox"/> Comments <input type="checkbox"/> Information <input type="checkbox"/> Other

### Contractor authorized signatory

Name	Abdul Rhman AlNajar	Date	03-Apr-19
Signature	 		

### Design Consultant's Review

1. Approval is subject to receive all required BICSI certifications for the Key Personnel, as per the Contract Specification requirements.

2. The received resume for draftsman is not reflecting BIM (Revit) experience. AMANA to confirm acceptance for the same, since it is the Main Contractor's responsibility to provide ELV shop drawings as per the contract requirements.

Status code	<input type="checkbox"/> A. Approved <input checked="" type="checkbox"/> B. Approved as noted <input type="checkbox"/> C. Revise & resubmit <input type="checkbox"/> D. Review not required
Engineer's name	Michael Ramzy
Signature	 

**SUBMITTAL TRANSMITTAL  
(SUB-CONTRACTOR)**

Project : RM01: REEM MALL Package : RM3000  
 Submittal No. : RM01-SCAR-3000-SP-380003 Revision No : 00  
 Engineer's Project No.: A14-07 Date : 23<sup>rd</sup> October 2019

TRANSMITTAL To (Engineer): Dewan Architects and Engineers Date: 23<sup>rd</sup> October 2019  
**A** From (Contractor): Itinera/Ghantoot JV Name/Sign : Eng. Helmi Ramahi

Discipline:  Architectural  Structural  A/C  Electrical  Plumbing  Landscaping  Civil Work  Snow Park

Subcontractor: SP - Metric Technology LLC - IT/AV System

**Enclosures/Attachments:**

- Certificates  Licenses  Prequalification  
 Organization Chart  Others;

- Submitted for review and approval  Engineer review time included in construction schedule  
 Resubmitted for review and approval  Resubmission-Comment reply sheet attached  
 Submitted for information only

TRANSMITTAL To (Contractor): Itinera/Ghantoot JV Attn: \_\_\_\_\_ Date Rec'd by Engineer : \_\_\_\_\_  
**B** From (Engineer): Dewan Architects and Engineers Name: Luis Pereira Date Trnsmt'd by Engineer: \_\_\_\_\_

**Engineer's Comments;**

① Please refer to the attached comments sheet.  
 ② Approved to proceed subject to submit signed NDA, and under the Contractor's design responsibility.  
 S. A.

- A Approved  Submission incomplete / Resubmit  
 B Approved as noted  No action required / for information only  
 C Revise / Resubmit  
 D Rejected / Resubmit  
 E Approved as noted / Resubmit





Other remarks on above submission/Comment Sheet

Name: Luis Pereira Sign: \_\_\_\_\_ Date: 18/10/19  One copy retained by sender

TRANSMITTAL To (Subcontractor): \_\_\_\_\_ Date: \_\_\_\_\_ Date Rec'd by Contractor : \_\_\_\_\_  
**D** From (Contractor): Itinera/Ghantoot JV Name/Sign : \_\_\_\_\_ Date Trnsmt'd by Contractor : \_\_\_\_\_

Copies:  Employer  Consultants  \_\_\_\_\_  \_\_\_\_\_  One copy retained by sender



<b>Employer:</b>  Global Gateway Properties LLC	<b>PMC:</b>  LEAD	<b>Engineer/Architect:</b>  B+H	<b>Consultant:</b> archcorp	<b>Contractor:</b>  ACC ADVANCED
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## Global Gateway Residential Development Prequalification Submittal

Document Code	Project Name	Originator	Document Type	Discipline	Running No.	Rev. No.	Date	Remarks
	GGW	ACC	PQS	EL	0039	1	13-Aug-20	

The following materials/products are submitted for review:

### Pre-Qualification for CCTV, Access Control, Intercom & Structured Cabling System

Item(s) Description:

Name:	Metric Technologies
Construction Activity/Trade:	CCTV, Access Control, Intercom & Structured Cabling System
Overall Experience:	7 Years
Experience Related to Project:	7 Years
Sub-Contractor/Supplier mentioned in Vendor List?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Address / Location:	Metric Technologies P. O. Box: 3155, Abu Dhabi, U.A.E. Tel: 02-6666587 Email: info@metric-tec.com
Contact Person:	Mr. Ali Mortada
Mobile Number:	055-2843941
Are they Certified for any Quality Standard? If yes, specify.	Yes, ISO 9001:2015, ISO 14001:2015
Are they Certified for any HSE Standard? If yes, specify.	Yes, ISO 45001:2018
Remarks:	N/A

Attachments:

Valid Membership of Chamber of Commerce     Valid Municipality License     Pre-qualifications     Vendor List

Other Valid Licenses    Specify: Abu Dhabi Civil Defense Material Registration Certificates

Contractor's Review:

Discipline Engineer:	Name: Mohammed Bahoa / Maha Nadeem	Signature:	Time/Date:	13-Aug-20
QA/QC Section:	Name: Richard Bagadlong	Signature:	Time/Date:	
HSE Section:	Name:	Signature:	Time/Date:	
MEP Section:	Name: W. Matar / Ahmad Kobeissy	Signature:	Time/Date:	
Project Manager:	Name: Mohammed Faten	Signature:	Time/Date:	



Status Code

(A) Approved     (B) Approved with Comments     (C) Revise & Resubmit     (D) Rejected

Consultant's Comment(s)

*Refer comment on attached sheet*

Consultant's Representative: Signature: Date/Stamp: 18/8/20

Resident Engineer / Project Manager: *Ahmed Mohamed* Signature: Date/Stamp: 18.8.2020

PMC's Comment(s)

archcorp  
architectural engineering  
PMC's Representative: Global Gateway Residential Development Project Signature: Date/Stamp:



Note:

We certify that the prequalification herewith has been reviewed in details and in compliance with the Contract Documents except as noted below. Employer or Engineer's approval is for informational purposes only and does not constitute an endorsement or approval of the Contractor's performance or ability to perform the work. The Contractor shall be responsible for its own performance and compliance with the Contract Documents. The Contractor shall be responsible for its own performance and compliance with the Contract Documents.





## SUBMITTAL FORM

<b>Project</b> UAE Pavilion Refurbishment	<b>Contractor / Package</b> Scan Construction / Main Works	<b>Doc No.</b> <b>TF-SC-006</b>	<b>Revision</b> <b>00</b>
<b>To:</b>	Department of Culture & Tourism	<b>Submittal Issue Date :</b>	<b>21/01/19</b>
<b>Type of Work</b>			
<input type="checkbox"/> Architectural <input type="checkbox"/> Structural <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> HVAC <input type="checkbox"/> Interior Design <input type="checkbox"/> Infrastructure <input type="checkbox"/> Landscape <input type="checkbox"/> Mechanical <input type="checkbox"/> Survey <input type="checkbox"/> Others (.....)			
<b>Description:-</b>		<b>Submission Type</b>	
<b>Company Pre-qualification Document for M/S Metric Technologies LLC (ELV / IT Works)</b>		<input type="checkbox"/> Material Submission <input checked="" type="checkbox"/> Other (Prequalification)	
		<input type="checkbox"/> Shop Drawings <input type="checkbox"/> Calculation <input type="checkbox"/> Report <input type="checkbox"/> Method Statement <input type="checkbox"/> As Built Drawings <input type="checkbox"/> Manual	
<b>Location of Use:- All Buildings</b>		<b>Contract Specification Clause Ref: N/A</b>	
		<b>Contract Drawing Ref: N/A</b>	

**PROPOSED** [NB: For alternative materials a Compliance Report must be provided]

**Consultant Review Comments**

Metric Technologies was evaluated and pass the minimum pass/fail criteria regarding the applicant's general and particular experience, personnel and equipment capabilities, and financial position.

Metric Technologies Scope of Work shall be under the influence or full control of the approved MEP contractor and Scan as the main contractor. AV and SCS/telecom systems Supply of equipment/active components were not meet (essential for the execution of the contract). Metric technologies should comply the full scope of works as per the contract requirements.

Metric Technologies fail to furnish a copy of ADCD registration certificate as previously commented. MEP contractor to take charge on the responsibility of the said registration when Authority requires.

**Digital Stamping**

	<b>GHD Global Pty Ltd SUBMITTAL REVIEW</b>
THIS SUBMITTAL HAS BEEN REVIEWED FOR COMPLIANCE WITH THE CONTRACT REQUIREMENTS AND RETURNED AS FOLLOWS:	
<input type="checkbox"/> A - ACCEPTED	<input type="checkbox"/> C - REVISE AND RESUBMIT
<input checked="" type="checkbox"/> B - ACCEPTED AS NOTED	<input type="checkbox"/> D - FOR INFORMATION ONLY NOT REVIEWED
THE OUTCOME OF THIS REVIEW DOES NOT CONSTITUTE ACCEPTANCE OF DESIGN DETAILS, CALCULATIONS, SIMILAR TO THE REVIEW OF MATERIAL DEVELOPED OR SELECTED BY THE CONTRACTOR / SUBCONTRACTOR / SUPPLIER AND DOES NOT RELIEVE THE CONTRACTOR / SUBCONTRACTOR / SUPPLIER FROM FULL COMPLIANCE WITH CONTRACTUAL OBLIGATIONS.	
CONTRACTOR / SUBCONTRACTOR / SUPPLIER IS RESPONSIBLE FOR:	
1) COMPLIANCE WITH THE CONTRACT REQUIREMENTS. 2) COORDINATION WITH OTHER TRADES. 3) COMPARING AND CORRECTING ALL CLARIFICATIONS AND DIMENSIONS. 4) PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER. 5) COMPLIANCE WITH ALL RELEVANT STANDARDS, BUILDING CODES & AUTHORITY REGULATIONS.	
ALL PREVIOUS COMMENTS MUST BE INCORPORATED.	
By: MOHAMMAD AGHA	Date: 23-01-2019

Name Mohammad Agha      Signature.....      Date 29-Jan-2019

**Status Code:**

A - Accepted     B - Accepted as Noted     C - Revise & Resubmit     FI - For Information

## REVIEW COMMENT SHEET

Reference. No. [Rev]	MPL-ANIC-NP-TX-PQ-00001	A0	01 March 2023
Project Name	Masdar Park	anic-TRANSMIT-000273	
Subject	Prequalification Document for Systems Integration Security, ELV, ICT, AV & Home Automation specialist (M/s Metric Technologies LLC)		
Area	Project wide	Doc. Type:	Prequalification

### RESPONSE SUMMARY

**No objection in principle for the proposed ICT specialist M/s Metric Technologies LLC subject to follow:**

- a) Subcontractor to Attach a detailed Quality plan.
- b) Attach the certificates of manpower/engineers required on site i.e., BICSI or equivalent.
- c) List down the details of tools & equipment used for installation.
- d) Subcontractor to list all site required qualified staff.
- e) List the details of key personals with Complete contact details.
- f) **Shall be ADMCC approved vendor/Integrator. (To be presented)**

Attachments (if any):	List down attachments in order and indicate the reference number where available.		Related Reference

PREPARED BY:	REVIEWED AND RECOMMENDED BY:	DOCUMENT STATUS	
<b>SHOAIB UL HASSAN</b>	<b>Thaer Jaradat</b>	A – APPROVED	<input type="checkbox"/>
		B – APPROVED AS NOTED	<input checked="" type="checkbox"/>
		C – REVISE AND RESUBMIT	<input type="checkbox"/>
Related reference		D – OTHERS	<input type="checkbox"/>

**DRAFTER'S NOTE: APPROVED AS NOTED** means document is Approved, resubmission not required. Comments to be incorporated into as-built / at handover and final documentation.  
 Corrections or comments made relative to submittals during this review do not relieve the contractor / consultant to comply with the contract requirements and specifications.  
 This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents.

**Distribution**  
 Employer     
  Project Manager     
  Lead Consultant     
  Contractor     
  Others: \_\_\_\_\_

DOCUMENT REVISION HISTORY			
REV. NO.	DESCRIPTION	DATE	OUR TRANSMITTAL

**PROJECT: MASDAR CENTRAL PARK PHASE 2- PACKAGE 1**

**Sub-Contractor / Supplier Submittal Form**

Reference : CPK2A-ARC-AUH-PW-EX-PQ-00001	Rev: 00	Date: 29-11-2020
Project Name: Masdar Central Park Phase 2 – Package 1 at Masdar City	Contract Ref: SRE-PAD-PD-COA-20-26103	
Client: Abu Dhabi Future Energy Company PJSC – MASDAR	Consultant: Parsons International Limited	
Contractor: Al Ryum Cont. & Gen. Transp. LLC		

**Discipline:**     Civil     Architecture     Mechanical     Electrical     Others

**Subject :** Pre-Qualification of Metric Technologies for Supply, Installation, Termination, Testing and Commissioning of Structured Cabling System, CCTV System, Disable Toilet Alarm System, PA/BGM System and Building’s Lighting Control System

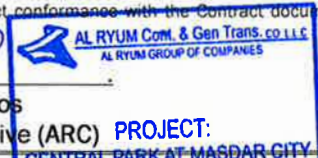
<b>Sub-Contractor / Supplier Detail:</b> M/s. Metric Technologies LLC P.O Box.3155, Abu Dhabi, UAE. Tel. : 02-666 6587 Fax. : 02-622 4014	<b>Attachment:</b>	
	Chamber of Commerce: <input type="checkbox"/>	Other Licenses : <input type="checkbox"/>
	UAE License: <input type="checkbox"/>	Pre-qualification: <input checked="" type="checkbox"/>
	Municipal License: <input type="checkbox"/>	

**CONTRACTOR CERTIFICATION:**

The Contractor hereby confirms that the submitted items have been reviewed in detail and are correct and in strict conformance with the Contract document except otherwise stated.

29-11-2020  
Date

  
**Waseem Finianos**  
 Contractor’s Representative (ARC)

  
**PROJECT: CENTRAL PARK AT MASDAR CITY PHASE 2 PACKAGE 1**

**ENGINEERS REVIEW ACTION CODES:**

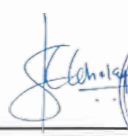
A- Approved     B- Approved as noted     C- Revise and Resubmit     D- Rejected     Noted  
 E- Incomplete     F- Submit Specified Items     NA- Approval not Required     CN- Cancel

**Comments By Consultant:**

Pre-Qualification M/s MATRIC Technologies is provisionally approved to carry out System integration, Security, ELV, ICT, AV & Home automation works subject to fulfillment of PIL Comments/ and subject to compliance with all Contract requirements/Project-Authority specifications. This approval shall in no-way relieve the contractor from any of the obligations, duties/responsibilities under the Contract.






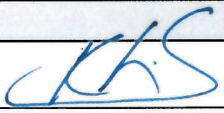

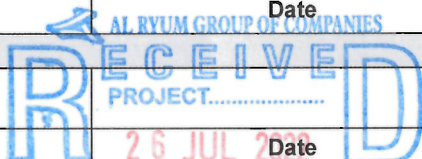
- The Contractor is responsible for all components for the system to function and connecting all required services. Metric technologies should comply the full scope of work as per project contract requirement.
- All the component/ instrumentation used shall be in line and matched with the existing and to be interconnected with MASDAR IT system.
- This provisional approval is valid only if the approval conditions set herewith are fulfilled.
- Material approval is subject to approval of shop drawings and material submittal.
- This approval is subject to adherence to Abu Dhabi local authorities regulations and strict compliance with Masdar Div 1 Spc.
- Contractor shall closely follow the quality and HSE requirements as per authority standards and project specs.
- Approval is subject to satisfactory performance throughout the mentioned works.
- Whenever a need arises, submission to be revised upon Engineers instruction.

16-12-2020  
Date

  
**Eng. Kishore Gholap, Resident Engineer**

Note: The Engineer’s approval shall not in any way relive the contractor of his obligation under the contract. The contractor shall be solely responsible for the soundness and the correctness of the submitted materials and documents

DISTRIBUTION:  Client  PM/Engineer  Contract  File

Consultant		Client		Contractor		FORM DT Rev.0	
						Client	Department of Municipalities and Transport
						Consultant	Parsons International LTD
						Contractor	Al Ryum Cont.& Gen Transport L.L.C
Project	Khalifa City Public Realm Phase 2A-Park 5 -SE 35			Contract No.	KCA/CR/010/2022		
Transmittal Ref. No.	DMT-KCA5-ARC-ELE-PQN-0008-02			Date	21-07-2022		
Transmittal is Issued for your	<input type="checkbox"/> Information <input type="checkbox"/> Co-ordination <input type="checkbox"/> Review & Comments <input checked="" type="checkbox"/> Approval						
Doc. Type	<b>PREQUALIFICATION</b>						
<input type="checkbox"/> Civil <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Water <input type="checkbox"/> Storm water <input type="checkbox"/> Sewer <input type="checkbox"/> Irrigation/ Land Scaping							
<b>I. Information</b>							
SN	Title	No.	Revision	Remarks			
1.	Pre-Qualification for Security video surveillance system (CCTV) (Sub Cont.: Metric Technologies LLC.)	DMT-KCA5-ARC-ELE-PQN-0008	02				
<b>II. For the Contractor</b>							
Eng. Emad Salam			21-07-2022				
Name	Signature		Date				
<b>III. Received By Consultant</b>							
				Stamp			
Name	Signature		Date				
<b>IV. Consultant Review and Comments</b>							
Approval subject to satisfactory performance and compliance with ADMCC/ADM specification, approved contract drawings, and method statement.							
Approval does not relieve the Contractor for their responsibility for conformity to the Contract specification and satisfactory per							
This approval for pre-qualification of the subcontractor. Material Submittal should be submitted separately for review and approval.							
Checked By: Saad Mutasim Date: 23/07/22 Time: _____							
<input type="checkbox"/> A - Approved <input checked="" type="checkbox"/> B - Approve As Noted <input type="checkbox"/> C - Resubmit <input type="checkbox"/> D - Not Approved							
<b>V. For Consultant</b>							
Khaled AlSadeq			26-7-22				
Resident Engineer	Signature		Date				
<b>VI. Received by Contractor</b>							
							
ARC Representative	Signature		Date				

Note: This Approval does not relieve the contractor from any of his contractual obligations

RECEIVING THIS DOCUMENT IS NOT A CONFIRMATION ON THE CONTENT AND THE VALUE  
استلام هذه المستندات ليس تأكيدا على المحتوى والقيمة  
RECEIVED NAME & SIGN:.....

MAIN CONSULTANT



INTELLIGENT CONSULT -  
CONSULTANT ENGINEERS  
P.O. Box: 51581 ABU DHABI, UAE  
T: +971 2 6724200  
F: +971 2 6722515  
EMAIL: INFO@I-CON.AE

CLIENT:

# MUDON

PROJECT:

**LANDSCAPING WORKS TO VVIP AREA  
(AL QALA ID STREET)  
Abu Dhabi, United Arab Emirates**

**PRE-QUALIFICATION SUBMITTAL**

MAIN CONTRACTOR



AL RYUM CONTRACTING  
P.O. Box 28427, ABU DHABI  
UNITED ARAB EMIRATES  
PH: +971 2 6328960

Project No.: \_\_\_\_\_ Reference No.: AQS-04-00001-00-11-EL-ARC-PQ-00002 Date Issued: 25-05-2022

Herewith we submit Pre-qualification document for:  SUB-CONTRACTOR  TECHNICAL DOCUMENT Discipline:

Description: PQ for M/s Metric Technologies LLC. (CCTV and telecom) Revision: Reason for Issue: 00 FOR APPROVAL

Manufacturer: M/s Metric Technologies LLC. Country of Origin: UAE Local Supplier: M/s Metric Technologies LLC

General Notes: PQ for M/s Metric Technologies LLC. (CCTV and telecom subcontractor)

- Attachments:
- Company profile
  - Organization Chart
  - Resources / Manpower
  - List of Machineries & Equipment
  - List of Previous Main Projects
  - Trade License
  - Trade License
  - Trade License
  - Quality Control Procedure manual

- Discipline:
- Architectural
  - Structural
  - Landscape A.
  - Mechanical
  - Electrical
  - Civil
  - Irrigation
  - Interior
  - General

Submitted By: 25-May-22 Yezan Haddadin



Date Name Authorized Signature by Contractor's P.M. / R.E.

Consultant Comments:

Please refer to attached Consultant Review Sheet

Date received: \_\_\_\_\_  
Received By: \_\_\_\_\_

Reviewed By: 27-May-2022 Sinan Mahmood

Approved By: 27-May-2022 Hussein Habib

Signature by Engineers / Architects / QS / LA



Intelligent Consult - Consultant Engineer LLC

Authorized Signature by Consultant's P.M. / R.E.

- Consultant's Approval Status / Code:
- APPROVED
  - APPROVED AS NOTED
  - REVISED AND RESUBMIT
  - REJECTED

Client's Comments:

\_\_\_\_\_

Date received: \_\_\_\_\_  
Received By: \_\_\_\_\_

Date Name Authorized Signature by Client / Client's Representative

<b>DOCUMENT SUBMITTAL</b>	 الخليج للمقاولات والبستنة GULF CONTRACTING & LANDSCAPING	 للمشروع PROJECTS	<b>cracknell</b>
-------------------------------	--	---	------------------

<b>Project Ref.</b> SID-CD	<b>Contractor:</b> Gulf Contracting & Landscaping LLC	<b>Submittal No.:</b> SID-CD-GLIS-SC-PQL-00014
<b>To: M/s Cracknell</b> <b>Cc: M/s Parsons</b>		<b>Submission Date:</b> 24-Nov-2021

We are sending herewith under separate cover the drawings/ documents/ samples listed below:

ITEM	DOCUMENT REF. NO.	REV.	DATE	DESCRIPTION
1	SID-CD-GLIS-SC-PQL-00014	00	24-11-21	Prequalification Documents of M/s Metric Technologies LLC – Proposed Subcontractor/Specialist for CCTV Works)

**COMMENTS:** APPROVED AS NOTED

1. REFER ATTACHED SHEET FOR COMMENTS

*[Signature]*  
29-11-21

<b>CONTRACTOR:</b> Gulf Contracting & Landscaping LLC  <b>DATE:</b> 24-Nov-2021  <b>NAME &amp; SIGNATURE:</b>  <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>WADDAH HAZOURI</b>            Technical Manager         </div> <div style="text-align: center;">   <b>P. KANNAN</b>            Sr. Project Manager            25/11/21         </div> </div>	<b>RETURNED TO CONTRACTOR – DOCUMENTS STATUS</b>	
	A. No Objection	C. Objection. Do not proceed with fabrication/construction incorporate comments & re-submit
	<input checked="" type="radio"/> B. No Objection: Proceed with fabrication / construction incorporating comments & re-submit	D. For information only
	Corrections or comments made relative to submittals during this review do not relieve the contractor from the compliance with requirements of the Contract. This check is only for review of general conformance with the design concept of the project.	
<b>CONSULTANT / ENGINEER'S REPRESENTATIVE SIGNATURE:</b>		
<b>SIGNATURE:</b> 		<b>DATE:</b> 29.11.21
<b>DISTRIBUTION: FROM CONSULTANT TO THE CONTRACTOR</b>		

<b>DRAWING / DOCUMENT SUBMITTAL</b>		 لمشاريع PROJECTS		
---	---	--	--	---

Project Ref. A322201/2020/C/022-B	Contractor: AL RYUM CONT. & GEN. TRANS. CO. LLC	Transmittal No. : SID-SW-ARY-AD-TML-00151[00]
--------------------------------------	--	--

To: Consultant / Engineer's Representative (ORIGINAL COPIES) Cc: Client Representative	Submission Date: 22-Nov-2021
---	---------------------------------


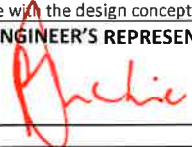
We are sending herewith under separate cover the drawings/ documents/ samples listed below:

ITEM	DRAWING / DOCUMENT REF. NO.	REV.	DATE	DESCRIPTION
1	SID-SW-ARY-EL-PQL-00011	00	22-Nov-21	Prequalification for Metric Technologies (For ELV System)
				<b>Scope of Work:</b> CCTV SYSTEM for Guard House & Parks in Beach & Marina District Telecom System Gate Barrier

**COMMENTS: APPROVED AS NOTED**

Refer attached sheet for comments

*Handwritten signature*  
25-1-22

<b>CONTRACTOR:</b> AL RYUM CONT. & GEN. TRANS. CO. LLC  <b>DATE :</b> 09-Nov-2021   <b>AHMAD ABDUL MAJID / PROJECT DIRECTOR</b> <b>NAME &amp; SIGNATURE:</b>	<b>RETURNED TO CONTRACTOR – DOCUMENTS STATUS</b>	
	<b>A.</b> No Objection	<b>C.</b> Objection. Do not proceed with fabrication/construction incorporate comments & re-submit
	<input checked="" type="radio"/> <b>B.</b> No Objection: Proceed with fabrication / construction incorporating comments & re-submit	<b>D.</b> For information only
	Corrections or comments made relative to submittals during this review do not relieve the contractor from the compliance with requirements of the Contract. This check is only for review of general conformance with the design concept of the project.	
<b>CONSULTANT / ENGINEER'S REPRESENTATIVE SIGNATURE:</b>  SIGNATURE:  DATE: 25.1.22.		
<b>DISTRIBUTION: FROM CONSULTANT TO THE CONTRACTOR</b>		



# B + G + 2 P+11 TYPICAL FLOORS +GYM LEVEL + ROOF 4 STAR HOTEL DEVELOPMENT

P1621- Plot No- D/P01, UMM HURAIR, HEALTHCARE CITY-PHASE-1, Dubai, UAE

Client: **M/s. ACTION HOTELS LLC**

Consultant:  **عارف وبن طوق**  
**Arif & Bintook**  
consulting architects & engineers


Contractor: **DHAFIR** **ظفير**  
Development & Contracting LLC  
للتنمية والمقاولات ندم

## TECHNICAL DOCUMENT SUBMITTAL

DOCUMENT CODE	PROJECT CODE	DOCUMENT TYPE	TRADE	RUNNING NUMBER	REV.	DATE	INITIATED BY
	P-365	TSUB	EL	19	0	6-Nov-17	GE

**DOCUMENT DESIGNATION:**

Method Statement   
  Technical Datas   
  Test Reports  
 Drawings   
  Guarantee/Certificates   
 Other: Prequalification

N°	Title	Document No.	Revision	Approval Status
1	Prequalification Documents for CCTV, ACS, AV/PA/BGM, GRMS, UPS (For CCTV), structured cabling, Lighting control system. (M/s. Metric Technologies).	P-365-TSUB-EL-019	0	
				



Discipline :

**REVIEW & SIGNATURE:**

Sub Contractor Name : Praveen Unnikrishnan Sign :  Date : 	Main Contractor Name : Georges Eid Sign :  Date : 
--	--

**RECEPIENT'S SIGNATURE:**  
Name :                      Sign:                      Date:


**CONSULTANT'S COMMENTS**

No objection subject to systems approval 

No objection subject to performance on site.  14/11/2017

Status:  A Approved   
 B Approved With Comments   
 C Not Approved   
 D Further Information Required   
 E For Record Only

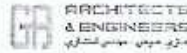
**For and on behalf of Arif & Bintook**

Name: Mohd. Mosleh                      Sign:                       Date: 19/11/17

**Received By:**

Main Contractor Name: Georges Eid    Sign :  Date : 19-11-17	Sub Contractor Name : Praveen Unnikrishnan    Sign:  Date :
--	---





Mixed Use Development For M/S Gulf Paradise Real Estate  
Plot C2, Sector - SDW4, Saadiyat Island

EMPLOYER : GULF PARADISE REAL ESTATE  
PROJECT MANAGER : ARABIAN CANADIAN ENGINEERING PROJECT MANAGEMENT SERVICES  
CONSULTANT : GA ARCHITECTS & ENGINEERS  
CONTRACTOR : SHIELD CONTRACTING CO.

DATE : 23-May-18  
No. : 1.168/EL/PRQ-017 - Rev.00  
SHEET : 1 OF 1

SUB-CONTRACTOR PREQUALIFICATION SUBMITTAL

We hereby submit the following sub-contractor's prequalification for your approval / comments:

NAME OF PROPOSED SUB-CONTRACTOR : M/S Metric Technologies - ELV Systems ( LCS, SCS, & CCTV )

A - LIST OF ATTACHED DOCUMENTS:

- 1. Statement of executed projects  Yes  No
- 2. List of Human Resources  Yes  No
- 3. Management organization chart  Yes  No
- 4. List of Equipment  Yes  No
- 5. Brochures / Photos  Yes  No
- 6. Registration Certificates  Yes  No

B - FACTORY / WORKSHOP ADDRESS:

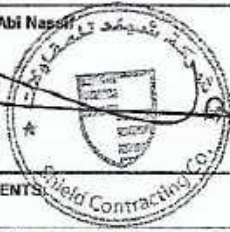
Abu Dhabi - UAE

G - ANY OTHER INFORMATION

Submitted By : Nadia Abi Nassif

Signature:

Date: 23-May-18



Received by: PROJECT MANAGER ( ARCAN )

Signature:

Stamp  
Date:

Received by: CONSULTANT (GA)

Signature:

Stamp  
Date:



CONSULTANT'S COMMENTS:

REFER TO COMMENTS ON THE ATTACHED COMMENTS SHEET.

Signature:  
Stamp

- Approved
- Approved as Noted
- Revise & Resubmit
- Rejected

27/5/2018

PROJECT MANAGER'S COMMENTS:

Received back by: ( ARCAN ) PROJECT MANAGEMENT

Signature:

Stamp:

Date:

Received back by: CONTRACTOR

Signature:

Date:



**SUB CONTRACTORS APPROVAL FORM**

Project Name: Commercial Building for Mr. Saeed Mabkhout Al Ameri  
Consultant: Al Ain Consulting Engineers LLC  
Contractor: Bildex Contracting Co. (off-shore) AD

File No. : 1168  
Ref No.: Sub-Con-013-Rev.0  
Date : 21/11/2019

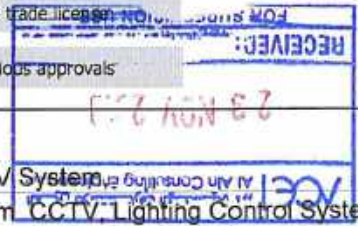
Type of Work : **ELV System, Voice & Data Communication, SMATV System, Security System CCTV, Lighting Control System, Video Intercom & Access Control**

Sub Contractor Name : **Metric Technologies LLC**

Company Profile Contents:

prequalification  
 organization chart

valid trade license  
 previous approvals



CONTRACTOR :

This is to propose M/s . Metric Technologies to execute the ELV System, Voice & Data Communication, SMATV System, Security System CCTV, Lighting Control System, Video Intercom & Access Control

Originator of the submittal/ Engr.: Raef Mourtada  
Contractor Authorised signature: *[Signature]*



Mob. No. : 050-642 6003  
Date: 21/11/2019

CONSULTANT COMMENTS:

*Refer to the attached comments sheet*  
*5/12/19*

Approval Status:  A: Approved  B: Approved as noted  C: Revise & Resubmit  D: Not Approved

Reviewer of the submittal/ Engr  
Consultant Authorizes signature:



Mob. No.  
Date:

ADCE (Abu Dhabi Commercial Engineering) Received

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

A: Approved  B: Approved as noted  C: Revise & Resubmit  D: Not Approved

Date: \_\_\_\_\_

All the supportive documents must be presented and filed at project site.  
\* ( Approval does not relieve the Contractor from his contractual obligations and responsibilities)





Ref.: YAS-MZ-ALD-GEN-LTR-00007

Date: 29/08/2022

To : Metric Technologies LLC

Project : Media Zone Development / TF54 Campus

Consultant / PMC : AECOM / KBR

الدار العقارية ش.م.ع  
Aldar Properties PJSC  
P.O. Box 51133  
Abu Dhabi - UAE  
T: +9712 810 5555  
F: +9712 810 5550  
aldar.com

To whom it may concern,

We would like to extend our appreciation to Metric Technologies LLC for the outstanding success on the delivery of Media Zone, YAS Island.

Metric Technologies' scope of work encompassed all Security, Audio Visual, ELV and ICT Systems. Their professional conduct, technical know-how, quality of work and commissioning capabilities allowed for a timely and compliant execution of their scope.

We recommend Metric Technologies for any undertaking / project of a similar nature.

Sincerely,

DocuSigned by:

*Samir Nahas*

1703357488B447A...

Samir Nahas  
Senior Vice President – Project Management

DS





Ref: SC/22417/Nov/17

01<sup>st</sup> November 2017

**Project** : ELV Systems for "Al Falah" Community" Complex  
**Client** : ALDAR PJSC  
**Consultant** : Jacobs  
**Scope** : Installation, Testing and Commissioning of ELV Systems

**Letter of Recommendation**

In our capacity as the main contractor for the project described above, we would like to highlight that we have awarded M/S. Metric Technologies LLC the ELV scope, consisting of a comprehensive CCTV solution as per government standards, a village-wide Wireless solution, Communication Systems, Networking, Digital Signage Systems, Access Control and Structured Cabling, in addition to the scopes.

Metric Technologies LLC was successfully pre-qualified and selected by ALDAR PJSC and Jacobs.

Metric Technologies successfully executed their scope and handed over significantly ahead of schedule, to the full satisfaction of the client and the consultant.

We would like to congratulate Metric Technologies LLC for their quality of the work, execution capabilities, professionalism, safety standards and their documentation and submittal processes.

We highly recommend Metric Technologies for any large-scale ELV scope, no matter how complex.

Thanking you,



Scan Construction



هاتف: ٦٢٦٨٧٥٣ - فاكس: ٦٢٧٢٣٥١ - ص.ب: ٨٢١٢ - أبوظبي - الامارات العربية المتحدة  
Tel.: 6268753 - Fax : 6272351 - P.O. Box 8212 - Abu Dhabi - UNITED ARAB EMIRATES  
E.mail : scanco@emirates.net.ae



Ref. #: 350/2017

Date: Wednesday, November 1<sup>st</sup> 2017

Subject : Recommendation Letter

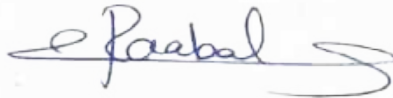
Centric Interiors LLC is a Fit-out specialist that engages in ultra high-end residences, offices and retail.

We have worked with Metric Technologies LLC on multiple projects that include highly complex GRMS solutions. Given the successes we have accomplished in partnership, we have selected Metric Technologies as our preferred GRMS / Home Automation Partner.

We have worked with Metric on potentially one of the largest Home-Automation Systems in the UAE, which was a palace for a member of the royal family of Dubai. The GRMS system in this scope consisted of a unified solution that controls more than 500+ lighting circuits, 80+ FCUs, IPTV systems consisting of 50+ Zones, 100+ Speakers and 30+ Audio Zones, 200+ Sensors, Complete Security installations, Energy Management Systems, Window Treatments, Actuation of all fans, exhausts, sprinklers, 60+ Wireless Access Points, Telephony, Networking and Structured Cabling. Given the complexity of the network topology, the interfacing and integration among systems, and the coordination required with the MEP and Fitout Scopes, we commend Metric Technologies LLC for their success.

As such, we hereby officially recommend Metric Technologies for their ability in the field of GRMS, AV, ELV and ICT, for any project, of any size.

For CENTRIC INTERIORS







Ref. : 543 / 2017  
Date : Monday, 16<sup>th</sup> October 2017

**TO WHOM IT MAY CONCERN**

Dear Concerned,

This letter is drafted to highlight our recommendation of " Metric Technologies LLC " as contractor for all types of LCS / IT / ELV / Security systems based on multiple projects executed by them for our construction projects .

Based on our experience working with Metric Technologies L.L.C , we will not hesitate to recommend them to for any related works based on their technical competence and resources both financial and engineering wise in addition to adherence to QC / QA requirements and latest advances in IT Technology .

This certificate is issued upon the request of M/s Metric Technologies without any responsibility or engagement on our part or the administrator signing this letter .

Sincerely,

*for Shield Contracting Co.*

**Ahmad Faress**  
Operations Manager

## Completion Certificate

Date: 04/10/2017  
Project: Supply, Installation & Commissioning of CCTV System at Al Falah Villages  
Ref. No: S190/DAR/10, PR-2016-080-R2-S1  
Main Contractor: M/S Scan Construction  
Client: Al Dar Properties PJSC

This document is to officially certify that Metric Technologies LLC has handed over the project referenced above in complete working condition and as per the agreements referenced above.

As of today, (Date: 04/10/2017), The project is considered to be handed-over and as such:

1. Warranty period commenced as per the date stated above.
2. The 3-Year Maintenance Contract commences as per the date stated above.
3. This letter is considered to be the formal handover acceptance by SCAN Construction and by ALDAR PJSC.

All signatories hereby declare that above is formally and officially accepted.

For Metric Technologies L.L.C



For Al Dar Properties PJSC

Ashraf  
4/10/17

For M/S Scan Construction







## Completion Certificate

Date : 21/04/2020  
Project Name : Al Falah Retail – Supply and Installation of NVR  
Contract/PO Ref : PO Ref: 144 dated 01/03/2020  
Client : M/s Aldar Properties PJSC  
System Integrator : M/s Metric Technologies LLC  
Scope of Work : Supply & Installation of NVR

This is to inform you that as of 21/04/2020, Metric Technologies LLC has completed the Supply & Installation of NVR as per the agreement referenced above.

Below, kindly find details for your information and records.

Installation Details For NVR System				
SN	Location	IP address	Username	Password
1	V4C	192.168.20.233	admin	Metrictec401
2	V4NH1	192.168.20.234	admin	Metrictec401
3	V4NH2	192.168.20.235	admin	Metrictec401
4	V5C	192.168.20.236	admin	Metrictec401
5	V5NH1	192.168.20.237	admin	Metrictec401
6	V5NH2	192.168.20.238	admin	Metrictec401
7	V3AC	192.168.20.239	admin	Metrictec401
8	V3ANH1	192.168.20.240	admin	Metrictec401
9	V3ANH2	192.168.20.241	admin	Metrictec401
10	V2C	192.168.20.242	admin	Metrictec401
11	V2NH1	192.168.20.243	admin	Metrictec401
12	V2NH2	192.168.20.244	admin	Metrictec401
13	V1C	192.168.20.245	admin	Metrictec401
14	V1NH1	192.168.20.232	admin	Metrictec401
15	V1NH2	192.168.20.251	admin	Metrictec401
16	V3BC	192.168.21.50	admin	Metrictec401

METRIC TECHNOLOGIES LLC

P.O. BOX: 3155 | Abu Dhabi - UAE  
T: +971 2 666 8587 F: +971 2 622 4014  
E: info@metric-tec.com



www.metric-tec.com

شركة مترك تكنولوجيز (م.م.)

مقرنا: 3155 | أبو ظبي - الإمارات العربية المتحدة  
هاتفنا: +971 2 666 8587 فاكسنا: +971 2 622 4014  
البريد الإلكتروني: info@metric-tec.com

K. CALIBILLA  
7-05-2020



**METRIC**  
TECHNOLOGIES

Installation Details For New Cameras			
S.N	Location	IP address	Status
1	V4C	192.168.20.59	Online
2	V4C	192.168.20.61	Online
3	V4C	192.168.20.66	Online
4	V4C	192.168.20.67	Online

For Metric Technologies LLC,



*K. CAUDILLA*  
K. CAUDILLA  
For M/S Aldar Properties PJSC,

07-05-2022

METRIC TECHNOLOGIES LLC

P.O.BOX: 3155 | ABU DHABI - UAE  
T: +971 2 666 6867 | F: +971 2 622 4034  
E: info@metric-tec.com



www.metric-tec.com

شركة متريك تكنولوجيز LLC

مقرنا: 3155 | أبو ظبي - الإمارات العربية المتحدة  
الهاتف: +971 2 666 6867 | الفاكس: +971 2 622 4034  
البريد الإلكتروني: info@metric-tec.com



## Completion Certificate

Date :  
Project Name : Garden Plaza Digital Screens Hardware & Management  
Contract/PO Ref : PO Ref: 43 dated 12/11/2019  
Client : M/s Aldar Properties PJSC  
System Integrator : M/s Metric Technologies LLC  
Scope of Work : Garden Plaza Digital Screens Hardware & Management

This is to inform you that as of 18/12/2019, Metric Technologies LLC has completed the Supply, Configuration & Testing of Media Player as per the agreement referenced above.

For Metric Technologies LLC,

For M/S Aldar Properties PJSC,





**METRIC**  
TECHNOLOGIES

## Completion Certificate

Date : 01/08/2019  
Project Name : ARB – Digital Screen Date Management AMC for One year (243)  
Contract/PO Ref : PO Ref. 148 dated 14/07/2019  
Client : M/s Aldar Properties PJSC  
System Integrator : M/s Metric Technologies LLC  
Scope of Work : AMC for LED Screen Content Installation

This is to inform you that Metric Technologies LLC has completed the maintenance and content changing for 3 screens at (Al Zeina, Al Bandar & Al Muneera) for August 2019 as per the agreement reference above.

For Metric Technologies LLC,



For Aldar Properties PJSC

**METRIC TECHNOLOGIES L.L.C.**

P.O.BOX: 3155 | ABU DHABI - UAE  
T: +971 2 666 6587 F: +971 2 622 4014  
E: info@metric-tec.com



www.metric-tec.com

شركة مترك تكنولوجيز ل.م.م.

ص.ب. 3155 | أبو ظبي - الإمارات العربية المتحدة  
للفون: ٦٥٨٧ ٢٦٦٦ +٩٧١ فاكس: ٤٠١٤ ٢٦٢٢ +٩٧١  
البريد الإلكتروني: info@metric-tec.com



**METRIC**  
TECHNOLOGIES

## Completion Certificate

Date : 01/09/2019  
Project Name : ARB – Digital Screen Date Management AMC for One year (243)  
Contract/PO Ref : PO Ref. 148 dated 14/07/2019  
Client : M/s Aldar Properties PJSC  
System Integrator : M/s Metric Technologies LLC  
Scope of Work : AMC for LED Screen Content Installation

This is to inform you that Metric Technologies LLC has completed the maintenance and content changing for 3 screens at (Al Zeina, Al Bandar & Al Muneera) for September 2019 as per the agreement reference above.

For Metric Technologies LLC



For Aldar Properties PJSC

**METRIC TECHNOLOGIES L.L.C.**

P.O.BOX: 3155 | ABU DHABI - UAE

T: +971 2 666 6587 F: +971 2 622 4014

E: info@metric-tec.com



www.metric-tec.com

شركة مترك تكنولوجيز ل.م.ع.م

ص.ب. ٣١٥٥ | ابو ظبي - الامارات العربية المتحدة  
تلفون: +971 2 666 6587 فاكس: +971 2 622 4014  
البريد الإلكتروني: info@metric-tec.com



**METRIC**  
TECHNOLOGIES

## Completion Certificate

Date : 01/10/2019  
Project Name : ARB – Digital Screen Date Management AMC for One year (243)  
Contract/PO Ref : PO Ref. 148 dated 14/07/2019  
Client : M/s Aldar Properties PJSC  
System Integrator : M/s Metric Technologies LLC  
Scope of Work : AMC for LED Screen Content Installation

This is to inform you that Metric Technologies LLC has completed the maintenance and content changing for 3 screens at (Al Zeina, Al Bandar & Al Muneera) for October 2019 as per the agreement reference above.

For Metric Technologies LLC,



For Aldar Properties PJSC

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E: info@metric-tec.com



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تلفون: +971 2 666 6587 فاكس: +971 2 622 4014

البريد الإلكتروني: info@metric-tec.com



## Completion Certificate

Date : 27/02/2020  
Project Name : UAE Pavilion Refurbishment Works  
Contract/PO Ref. : SC/S220/03 and Associated Variations  
Address : Plot No. SDN8, Plot P1, Manarat Al Saadiyat, Abu Dhabi, UAE  
Client : M/s Department Of Culture and Tourism (DCT)  
Consultant : M/s GHD Consultants  
Main Contractor : M/s Scan Construction  
System Integrator : M/s Metric Technologies LLC

This document is to officially certify that Metric Technologies LLC has handed over the project referenced above in complete working condition and as per the agreement referenced above.

As of 27/02/2020, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance by M/s Scan Construction
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC


For M/s Scan Construction






## Completion Certificate

Date: 16/08/2017  
Project: Supply, Installation & Commissioning of ICT & ELV Systems at Magna Office  
Ref. No: PR-2016-010-R4  
Client: M/S Magna

This is to certify that the above referenced Project have been successfully completed, trained and handed over to the Client with fully functioning System.

For Metric Technologies L.L.C.

Project Engineer



For M/S Magna

Client Representative



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P.O. BOX: 3155 | Abu Dhabi • UAE  
T: +971 2 622 4000 F: +971 2 622 4014  
E: info@metric-tec.com



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للتفون: +971 2 622 4000 فاكس: +971 2 622 4014  
البريد الإلكتروني: info@metric-tec.com





## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC, P.O Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : Access Control System (FoH & BoH)-(Assa Abloy)/Guest Door Locking System

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 2 years & 5 years Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC,



For Action Hotels LLC

*Mohsin Nazir*  
22/12/19  
Mohsin NAZIR  
*Amr S*  
22 Dec 2019  
Amr S





## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC, P.O Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : Background Music System (QSC)

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC



For Action Hotels LLC

*22-Dec-2019  
Amer-S.*





## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC, P.O Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : CCTV System (Axis)

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 3 years Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC,



For Action Hotels LLC

  
22/12/19  
MOHSIN NAZIR

  
22-Dec-19





## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC, P.O Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : Disabled Toilet Alarm System (CTEC)

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC



For Action Hotels LLC

*Amer.S.  
22-Dec-2019*





## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC, P.O Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : Energy Management System (Honeywell)

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC



For Action Hotels LLC

*Amr S  
22-Dec-2019*





## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC PO Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : Lighting Control System (Eaton)

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC



For Action Hotels LLC

**METRIC TECHNOLOGIES L.L.C.**

P.O.BOX: 3155 | ABU DHABI - UAE  
T: +971 2 666 6587 F: +971 2 622 4014  
E: info@metric-tec.com



www.metric-tec.com

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ص.ب. 3155 | أبو ظبي - الإمارات العربية المتحدة  
هاتف: +971 2 666 6587 فاكس: +971 2 622 4014  
البريد الإلكتروني: info@metric-tec.com



## Completion Certificate

Date : 01/09/2019  
Project Name : Novotel, DHCC, Bur Dubai  
Contract/PO Ref : PO Ref. DXPR-1139/SC/8600000994 Amend 01 dated 01.09.2018  
Address : Universal Voltas LLC, P.O Box 87993, Dubai, UAE  
Client : M/s Action Hotels LLC  
System Integrator : M/s Metric Technologies LLC  
System : Structured Cabling System (Commscope)

This document is to officially certify that Metric Technologies LLC has trained and handed over the system in complete working condition as per the agreement referenced above.

As of 01/09/2019, the project is considered to be handed over and as such:

1. The 15 years Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance and training completion, by Novotel.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC,



For Action Hotels LLC

*Amer S.*  
*22 - Dec - 2019.*





**Arabian Electricians**  
Electrical Engineering & Contracting

الكهربائيون العرب  
هندسة ومقاولات كهربائية

Project: Residential and Commercial Building  
Building Owner: Shaikha Amna Bint Saleh Bin Badwa AL Darmaki  
Client: ADCE  
Location: Plot No. C-4, Sector W-58 Abu Dhabi  
Date: June 05, 2017

This letter is to inform you that Metric Technologies LLC has successfully completed their scope of work on the project referenced above. Metric Technologies LLC handed over their LCS scope of work in full compliance with the specifications & requirements, and completed this on-time, without delay or additional cost.

This is a declaration that the scope has been successfully handed over.



For Arabian Electricians







4<sup>th</sup> Floor, CI Tower  
Al Bateen St./6, Khalidiya,  
Abu Dhabi - UAE  
Tel: 971 2 6395999  
Fax: 971 2 6395639  
P.O. Box: 2732

Mohammed Al Yazouri  
Project Manager – Real Estate Projects  
Abu Dhabi  
050-5468513  
Mohammed.Alyazouri@Khatibalami.com

Project : Residential and Commercial Building  
Building Owner : Shaikha Amna Bint Saleh Bin Badwa AL Darmaki  
Client : ADCE  
Location : Plot No. C-4, Sector W-58 Abu Dhabi  
Date : October 12, 2017

Dear Concerned,

This letter is to declare that Metric Technologies LLC has successfully completed their scope of work on the Shaikha Amna Bint Saleh Bin Badwa AL Darmaki Building, referenced above.

Metric Technologies LLC handed over their ELV scope of work in full compliance with the specifications & requirements, and completed this on-time, without incidence.

This letter has been given upon the request of Metric Technologies LLC, as does not carry any responsibility or liability.

Truly yours,  
For KHATIB & ALAMI  
(Consolidated Engineering Co.)

Mohammed Al Yazouri  
Senior Manager  
Real Estate Companies Projects



Cc: Master File



Client: Advance Cure Diagnostic Center  
General Scope: Upgrade of ELV systems and CCTV as per ADMCC requirements  
Working Scope: Design, Supply, Installation and Maintenance of Systems  
Date: February 8, 2016

This letter is officially certifying that Metric Technologies LLC has completed their scope of work in comprehensive technical adherence to the specifications and requirements. Metric Technologies has successfully handed over the project to us in our capacity as the client, in addition the all related government authorities.

We would like to congratulate Metric Technologies for the successful delivery of this project on time and within cost.

Thanking you,

Hiba Alami  
Administration & Marketing Manager





**METRIC**  
TECHNOLOGIES

## Handover / Completion Certificate

Date : 05/05/2020  
Project Name : Centro Barsha Hotel - Rotana  
General Scope : Specialized AV and Automation Solutions for Meeting & Conference  
Description : Room  
Contract/PO Ref : 22297 & 22990  
Address : Road 329, Al Barsha 1, P.O Box 115060, Dubai, United Arab Emirates  
Client : Centro Barsha Hotel – Rotana  
System Integrator : M/s Metric Technologies LLC

This is to certify, as per the details above, that Metric Technologies LLC have completed the scope of work in full compliance of Contract / PO Numbers: 22297 & 22990.

We further add that Metric Technologies completed this project to the highest levels of professional and quality standards.

For M/s Centro Barsha Hotel - Rotana

*Naell*



**METRIC TECHNOLOGIES L.L.C.**

P.O. BOX: 3155 | ABU DHABI - UAE  
T: +971 2 666 6587 F: +971 2 622 4014  
E: info@metric-tec.com



www.metric-tec.com

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ص.ب. ٣١٥٥ | أبو ظبي - الإمارات العربية المتحدة  
تلفون: +971 2 666 6587 فاكس: +971 2 622 4014  
البريد الإلكتروني: info@metric-tec.com

## Hidd Al Saadiyat

LEAD CONSULTANT:



Architectural  
and  
Engineering  
Consultant  
P.O. Box 413606  
Dubai, UAE

Client:

ديوان ولي العهد  
CROWN PRINCE COURT  
إمارة أبوظبي  
Emirate of Abu Dhabi



CONTRACTOR



WALK THRU CONTRACTING LLC.

## PREQUALIFICATION APPROVAL

Ref: JT-WTC-PQS-EL 00002  
Rev: 1  
Submission Date: 12-Nov-2020

CONTRACT No

SUB CONTRACTOR/SUPPLIER

Metric Technologies

Sub-contractor / supplier proposed for

Home Automation

Enclosures

Y

N

Required Documents (as per Contract)

Commercial Registration

✓

Performance Bond

Pre-Qualification Documents

✓

Financial Status

✓

Mandatory Documents

Compliance Statement

✓

Compliance Statement

Experience

✓

Other (specify)

Contractor comments:

Submitted by Contractor

Signature &amp; stamp

Name: Roy Audi

Date: 12/11/2020



Received by Engineer

Signature &amp; stamp

Name:

Date:



RESPONSE FROM DESIGNER / ENGINEER/ SUPERVISOR

..... Approved as Noted:

..... 1-Division of tasks and coordination with other subcontractors to be done through the main contractor.

 Approved - A Approved As Noted - B Revise & Resubmit - C Rejected - D For Information - E

for the Engineer:

Name Ralph Saad

Date 16-11-2020

Signature:

Received by Contractor

Name

Date

Signature &amp; stamp:

Approval from consultant shall not relieve the contractor of any of his liabilities under the contract and does not supersede any contract document



**CHAKIB RICHANI**  
A R C H I T E C T S  
P.O. Box: 113-5184, BEIRUT - LEBANON Tel. : + 961-5-808140  
Email : info@richani.com Fax : + 961-5-808130

**AL SUWEIDI**  
AL SUWEIDI ENGINEERING CONSULTANTS  
المهندسين الاستشاريين الهندسيين



<b>Sub-Contractor / Supplier Submittal (SC)</b>			
Project Name:	RESIDENTIAL VILLA FOR MISS MEERA OMEIR	Project No:	1721
Client:	MEERA OMEIR YOUSEF YOUSEF AHMED AL MEHAIRI	Location:	PLOT NO. PJJPF026A AT PALM JUMEIRAH, DUBAI
Consultant:	AL SUWEIDI ENGINEERING CONSULTANTS BUREAU LLC / CHAKIB RICHANI ARCHITECTS	Submittal No:	PPGC-26A-SC-EL-001 R00
Contractor:	PLUS PALACE GENERAL CONTRACTING LLC	Date:	23-Nov-22

Discipline Civil  Architecture  Mechanical  Electrical  Other

Description of work to be performed : HOME AUTOMATION WORKS

**Sub-Contractor /Supplier Detail :**

Name: METRIC TECHNOLOGIES LLC

Trade: METRIC TECHNOLOGIES LLC

Experience:

Location:

Address:

Contact Name:

Is the company certified against any quality standards:

Adherence to quality system:

Adherence to HSE:

Is the company OHSAS 18001 (Health and Safety Certified)

Contractor PM ( Sign & Stamp) MILTAN BISWAS



Date : 23-Nov-22

Received By :

Date :

**Attachment**

- Chamber of Commerce
- UAE License.
- Municipal License
- Other Licenses
- Pre-qualification

**Comments By Consultant:**

A= Approved  B= Approved with Comments  C = Revise & Resubmit  D = Rejected

- 1- This approval of pre-qualification does not relieve the contractor from his responsibility to conformity to the contract specifications.
- 2- Materials should be submitted separately for review and approval.

Senior Engineer (Name & Sign): Imad Al-Lakis

Resident Engineer/PM (Name & Sign)

We have no objection.

Nizar Kontar 24-11-2022

Note: Approval, Corrections or comments made by the Consultant on this submittal, shall not relieve the Contractor from any of his contractual responsibilities and obligations. Contractor shall be responsible for complying and coordinating with all other relevant Contract Documents requirements including but not limited to coordination with other trades and complying with safety regulations. Contractor shall be responsible for any delays due to submittals' non-conformity with the Contract Documents



**CONTRACTOR SUBMITTAL**

PROJECT NAME:	<b>Nudra Private Villa</b>	CLIENT:	<b>IMKAN Properties</b>
PROJECT NO:	<b>20-1418</b>	ENGINEER:	<b>MZ ARCHITECTS LLC</b>
		CONTRACTOR:	<b>JC Maclean International Fzco.</b>

**DATE: 07 July 2022**

**SUBMITTAL NO. NPV-JCM-ELE-PQS-00001-REV.00**

SUBMITTAL DESCRIPTION		STRUCTURAL	MECHANICAL	ELECTRICAL	CIVIL	ARCHITECTURAL
MATERIAL SUBMITTAL	SHOP DRAWINGS			<b>X</b>		
		PRE-QUALIFICATION	CLAUSE 14 PROGRAMME	SUBCONTRACT OR SUPPLIER	TEST RESULTS	OTHER (Payment)
		<b>X</b>				

LOCATION: As per IFC Drawing at site

LIST OF SUBMITTED ITEM:

Item	Description	No. of Copies	Remarks
<b>I.</b>	<b>Supply, Installation &amp; commissioning of Systems Integrations</b>	<b>Soft Copy</b>	
<b>I.1</b>	Security		
<b>I.2</b>	ELV & ICT		
<b>I.3</b>	AV & Home Automation		

REF. SPEC(s):		REF. DRWG(s):	
---------------	--	---------------	--

Subcontractor Name:	M/s. METRIC TECHNOLOGIES L.L.C
---------------------	--------------------------------

For and on behalf of the Contractor

Name: Mr. Fahad Muhammad T  
Material Engineer

Signature:  

Date: 07 July 2022

**ENGINEER'S REVIEW COMMENTS**


- Code 1  
Approved
- Code 2  
Approved As Noted
- Code 3  
Revise And Resubmit
- Code 4  
Rejected
- Code 5  
For Information Only

Refer to attached comments sheet.



Comments Sheet Attached Yes  No

Name: **Moutaz Nakhal**

Signature: 

Date: **07.07.2022**

**CLIENT'S COMMENTS**

Name:

Signature:

Date:

Note:

Distribution:  Client  PM/Engineer  QS/Cost Consultant  Contractor  File

File/Template	Submittal name	Rev.0	Date	By
---------------	----------------	-------	------	----



**MZ ARCHITECTS**  
**ORIGINAL**  
 MZ ARCHITECTS  
 ABU DHABI - L.L.C.



**CONTRACTOR SUBMITTAL**

PROJECT NAME:	RR6-1-PRIVATE VILLA, REEM ISLAND	CLIENT:	Rasha Khalifa Alrubayal
PROJECT NO:	17-1271	ENGINEER:	MZ Architects LLC
		CONTRACTOR:	WalkThru General Contracting LLC

DATE: 14 April 2019

SUBMITTAL NO. [REDACTED]

SUBMITTAL DESCRIPTION		STRUCTURAL	MECHANICAL	ELECTRICAL	CIVIL	ARCHITECTURAL
MATERIAL SUBMITTAL	SHOP DRAWINGS	METHOD STATEMENT	CLAUSE 14 PROGRAMME	SUBCONTRACTOR SUPPLIER	TEST RESULTS	OTHER (SPECIFY)
				X		
				X		

LOCATION:

LIST OF SUBMITTED ITEM: (ONE ITEM PER SHEET)

Item	Description	No. of Copies	Remarks
1	Metric Technologies -Home Automation Company	1	

REF. SPEC(s):

REF. DRWG(s):

COMPLIANCE STATEMENT

The Contractor hereby confirms that all submitted forms have been reviewed in detail and are correct and in strict conformance with referenced documents except, otherwise stated.

For and on behalf of the Contractor

Name: Kareem Alsayed

Signature:

Date: 14 April 2019

**ENGINEER'S REVIEW COMMENTS**

Code 1  Approved  
 Code 2  Approved As Noted  
 Code 3  Revise And Resubmit  
 Code 4  Rejected  
 Code 5  For Information Only

*Refer to attached comments sheet*

Comments Sheet Attached Yes No

Name:

*Moutaz Nakhaf*

Signature:

Date:

*15/04/2019*

**EMPLOYER'S COMMENTS**

Name:

Signature:

**MZ ARCHITECTS**  
**ABU DHABI - L.L.C.**

Note: The Engineer's approval shall not be construed as a warranty or a guarantee of the accuracy or completeness of the information provided by the Contractor. The Contractor shall remain responsible for the accuracy and completeness of the information provided.

## Submittal #MET-SW-ZZ-PQ-HA-0001.0 - Pre-Qualification for Home Automation Works by Metric Technologies

### Distribution Summary

Distributed by Soori Sahib (SOLED Management Services LLC.) on Jun 13, 2023

**To** Daniel Ghaleb (SOLED Management Services LLC.), Richu Thomas (SOLED Management Services LLC.), Samira Hawamleh (Maisam Architects & Engineers Co), Joseph Accad (WalkThru Contracting LLC), Khaled Al Khatib (WalkThru Contracting LLC), Al-Aman S.A. (WalkThru Contracting LLC), Eiad Ibrahim (WalkThru Contracting LLC), Soori Sahib (SOLED Management Services LLC.)

**Message** None

**Attachments** [MET-SW-ZZ-PQ-HA-0001.0.pdf](#)

Name	Response	Attachments	Comments
Richu Thomas (SOLED Management Services LLC.)	For Record Only		
Samira Hawamleh (Maisam Architects & Engineers Co)	Approved		

**Revision** 0 **Submittal Manager** Soori Sahib (SOLED Management Services LLC.)

**Status** Closed **Date Created** May 29, 2023

**Issue Date** **Spec Section**

**Responsible Contractor** WalkThru Contracting LLC **Received From**

**Received Date** **Submit By**

**Final Due Date** Jun 13, 2023

**Type** Pre-Qualification

**Approvers** Daniel Ghaleb (SOLED Management Services LLC.), Richu Thomas (SOLED Management Services LLC.), Samira Hawamleh (Maisam Architects & Engineers Co)

**Distribution** Al-Aman S.A. (WalkThru Contracting LLC), Kareem Al Sayed (WalkThru Contracting LLC), Khaled Al Khatib (WalkThru Contracting LLC), Joseph Accad (WalkThru Contracting LLC)

**Contractor Logo** [WTC LOGO.jpg](#)

### Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					<a href="#">MET-SW-ZZ-PQ-HA-0001.0.pdf</a>
Daniel Ghaleb	May 29, 2023	Jun 13, 2023		Pending	



Name	Sent Date	Due Date	Returned Date	Response	Attachments
Richu Thomas	May 29, 2023	Jun 13, 2023	Jun 5, 2023	For Record Only	
Samira Hawamleh	Jun 5, 2023	Jun 13, 2023	Jun 13, 2023	Approved	





امكان  
I M K A N

MZ ARCHITECTS



**CONTRACTOR SUBMITTAL**

PROJECT NAME:	NPV – Nudra Private Villa, Saadiyat Abu Dhabi-UAE	CLIENT:	IMKAN PROPERTIES
PROJECT NO:	20-1418	ENGINEER:	MZ ARCHITECTS LLC
		CONTRACTOR:	Walk Through General Contracting LLC

Received via E-mail  
10 January 2021  
MZ Architects L.L.C.

DATE: 10-Jan-2021

SUBMITTAL NO.

NPV-WTC-ES-PQS-00002  
REV.00

SUBMITTAL DESCRIPTION		STRUCTURAL	MECHANICAL	ELECTRICAL	CIVIL	ARCHITECTURAL
MATERIAL SUBMITTAL	SHOP DRAWINGS/CLCS	METHOD STATEMENT	CLAUSE 14 PROGRAMME	SUBCONTRACT OR SUPPLIER	TEST RESULTS	OTHER (SPECIFY)
				X		
				X		

LOCATION: Villa

LIST OF SUBMITTED ITEM: (ONE ITEM PER SHEET)

Item	Description	No. of Copies	Remarks
1	Prequalification for Home Automation Specialist ( Metric Technologies )	1	Soft Copy

REF. SPEC(s):		REF. DRWG(s):	
COMPLIANCE STATEMENT	The Contractor hereby confirms that the submitted items have been reviewed in detail and are correct and in strict conformance with the Contract Documents, except otherwise stated.		

For and on behalf of the Contractor

Name: Kareem Alsayed

Signature:

Date: 10-Jan-21



**ENGINEER'S REVIEW COMMENTS**

- Code 1 Approved  
 Code 2 Approved As Noted  
 Code 3 Revise And Resubmit  
 Code 4 Rejected  
 Code 5 For Information Only

- Telephone / SCS will be under Metric Tech. Please. Clarify..
  - Provide Manufacturer Authorization Letter for Supply, Installation & TC for any brands that will be proposed for each system.
  - Provide Training Certificate ISO for Metric Technologist specialist staff / engineer related to the proposed system.
  - Provide Method Statements for Installation and TC for each.
  - Proposed Engineer Supervisor MUST be interview for approval.
  - All termination, connections and TC shall be done only by specialist/qualified staff.
  - M/s. Metric Tech. shall be responsible for the coordination required in the site including the preparation of coordination shop drawings and authority related approval such as Etisalat and MCC under the supervision of the Main Contractor.
  - Provide response and compliance to the above comments prior to submit MAR & Shop Drawings.
- Comments Sheet Attached Yes  No

Name: Carlo Maniago

Signature:

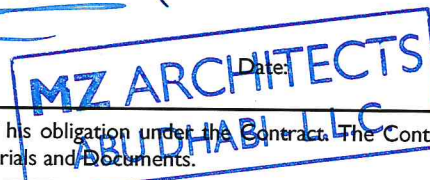
Date: 12.01.2021

**CLIENT'S COMMENTS**

Name:

Signature:

Date:



Note: The Engineer's approval shall not in any way relieve the Contractor of his obligation under the Contract. The Contractor shall be solely responsible for the soundness and the correctness of the submitted Materials and Documents.

Distribution:  Client  PM/Engineer  QS/Cost Consultant  Contractor  File

File/Template	MZA-INT-KA7-16_ Contractor Submittal	Rev.	Date	By
---------------	--------------------------------------	------	------	----



# COMPLETION CERTIFICATE

## Gemaco Interiors

P.O. Box 46995, Abu Dhabi, United Arab Emirates

Tel. +971 2 633 9100

Fax +971 2 633 9200

Web <http://www.gemacointeriors.com>

		<b>CERTIFICATE DATE:</b>	
<b>GEMACO JOB REF:</b>		<b>GEMACO LPO NO.:</b>	1348 REV.2
<b>PROJECT NAME:</b>	Khalifa Villa Abu Dhabi		
<b>SUBCONTRACTOR NAME</b>	Metric Technologies LLC	<b>Mobilization Date on Site</b>	11/12/2018
		<b>Completion Date</b>	01/09/2019
<b>SCOPE OF WORKS (As described in the purchase order)</b>	Comprehensive Automation, Energy Management, ICT, ELV, AV, Security and Technology Solutions.		
<b>JOB STATUS (%)</b>	100%		
<b>COMMENTS (IF ANY)</b>			
<p>Pursuant to Gemaco LPO Ref. <b>1348 Revision 2</b> forming the Agreement between Gemaco and The Client, we hereby certify that Completion of the works was reached on <b>01/09/2019</b></p>			
<b>CERTIFIED AND ACKNOWLEDGED BY</b>			
<b>GEMACO Representative</b>		<b>Subcontractor Representative</b>	
Sign:	 25/09/2019	Sign:	
Name:	ABDUL SAFFAR	Name:	Ali Mourtada
Title:	PROJECT MANAGER	Title:	GM/Authorized Signatory



**Completion Certificate**

**Date:** 19/10/2021

**Project Name:** Supply, Installation and Maintenance of Home Automation Works for Private Residential Villa

**Contract/PO Ref:** SCA1903/0403/2020 and Associated Variation(s)

**Address:** Plot 3522380, Jumeirah Third, Dubai, U.A.E.

**Contractor:** M/s Plus Palace General Contracting LLC

**Client:** Mr. Mohamed Abu Ghazaleh

**System Integrator:** M/s Metric Technologies LLC

This document is to officially certify that Metric Technologies LLC has handed over the project referenced above in complete working condition and as per the agreement referenced above.

As of 31/10/2021, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance by M/s Plus Palace General Contracting LLC
3. Metric will undertake to execute all maintenance work during 1 year from DLP. AMC commencement Date is 12 months after Project handover (DLP).

**For Metric Technologies LLC,**



**METRIC TECHNOLOGIES L.L.C.**

P.O. BOX: 3155 | Abu Dhabi, UAE  
T: +971 2 666 6587 F: +971 2 622 4014  
E: info@metric-tec.com

**For M/s Plus Palace General Contracting LLC,**



**شركة مترك تكنولوجيز ش.م.م.**

ص.ب: 3155 | أبوظبي - الإمارات العربية المتحدة  
تلفون: +971 2 666 6587 فاكس: +971 2 622 4014  
البريد الإلكتروني: info@metric-tec.com

www.metric-tec.com



## Completion Certificate

Date : 02/02/2020  
Project Name : Comprehensive Automation, Energy Management, ICT,ELV, AV,  
Security and Technology Solutions.  
Contract/PO Ref : SCA1702/0511/2018  
Address : Palm Jumeirah, Dubai, UAE  
Client : Mr. Khalifa Omeir Yousef Ahmed Almheiri  
Contractor : M/s Plus Palace General Contracting LLC  
System Integrator : M/s Metric Technologies LLC

This document is to officially certify that Metric Technologies LLC has handed over the project referenced above in complete working condition and as per the agreement referenced above.

As of 19/12/2019, the project is considered to be handed over and as such:

1. The 1-yr Warranty period commenced as per the date stated above.
2. This letter is considered to be the formal handover acceptance by M/s Plus Palace General Contracting LLC.
3. Metric will undertake to execute all maintenance work during 1 year from the DLP.

For Metric Technologies LLC,



For M/s Plus Palace General Contracting LLC,

Sahan  
04/02/2020





# **Dealership Documents & Certifications**



26 April 2020

Addressed to: **Metric Technologies LLC**  
Abu Dhabi, UAE

Subject: **Authorized Reseller**

GSL Professional is a company based in Dubai, United Arab Emirates, which specialized in the Professional fields of Audio, Lighting, Video and Control supplies products and system solutions across the GCC region.

Specifically, GSL is the official distributor of L-Acoustics, QSC, Calrec, Community Pro, DTS lighting, Cameo Lighting, DiGiCo, Celestion, Tascam, Klotz, and an Approved supplier of Harman Professional brands such as AKG, BSS, Crown, dbx, JBL, Lexicon and Soundcraft.

This letter is to confirm that Metric Technologies LLC, located in Abu Dhabi, UAE is one of our Authorized Resellers and System Integrator for above mentioned brands and products. Along with this, we will provide technical support and assistance in after sales service including the provision of spare parts as may be needed to complement local support.

Our reseller agreements are reviewed and renewed periodically; This letter is valid until 31<sup>st</sup> of December 2020.

For and on behalf of  
GSL Professional LLC,

**Adrian Curtis**  
Managing Director

Tel: +971 4 295 2876  
Email: [info@gslprofessional.com](mailto:info@gslprofessional.com)

Fax: +971 4 295 2875

P.O. Box: 40297  
website: [www.gslprofessional.com](http://www.gslprofessional.com)

Address: Office no. M-06, Al Nisf Building, Airport road, Al Garhoud, Dubai, United Arab Emirates



مشاريع نيكولاس م. كيفرنيس للإلكترونيات  
NICOLAS M. KYVERNITIS ELECTRONICS ENT.

May 3<sup>rd</sup> 2020

To Whom it may concern:

**Subject:** Authorized Reseller letter

Dear Sir/Madam,

"Nicolas Kyvernitis Electronics Ent. (NMK Electronics Ent.)" are the official distributors of SHURE products in Oman, Bahrain, Kuwait and the United Arab Emirates

This is to inform you that M/S. Metric Technologies LLC, is an authorized reseller of Shure products with the following details:

M/S. Metric Technologies LLC  
P.O.BOX 3155-Abu Dhabi-UAE  
Tel: **+971 2 6666587**  
Fax: **+971 2 6224014**  
[www.metric-tec.com](http://www.metric-tec.com)

This letter is valid only for one calendar year from its issue date.

If any other information is required, you may contact the undersigned.

Yours sincerely,

Ms. Christina Kyvernitis  
General Manager  
Nicolas M Kyvernitis Electronics Ent.  
[www.nmkelectronics.com](http://www.nmkelectronics.com)







# PARTNER CERTIFICATION

We hereby **7 Hertz Trading LLC**. Dubai, United Arab Emirates certify that

## METRIC TECHNOLOGIES L.L.C.

Etihad Tower, Al Manara Pharmacy Building  
Khalifa Street  
Abu Dhabi, United Arab Emirates (UAE)

Is our preferred partner for



and authorized to install, operate and train all of the manufacturer's products, they will be supported by 7 Hertz Trading LLC. with all aspects like design, supply, technical support, service and warranty to make sure that the products are deployed to the highest standards possible to achieve the best performance out of the equipment.

  
**CHADI EL MASRI**  
CEO  
7 Hertz Trading L.L.C.

**7Hertz Trading LLC**  
P.O.Box 487177, DUBAI - U.A.E.



is pleased to recognize

---

**Metric Technologies**

as an



**Authorized Partner**  
in the  
**Axis Channel Partner Program**

on 24 day of November, 2015

A handwritten signature in blue ink, appearing to read "Marwan Khoury".

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**Marwan Khoury**  
Marketing Manager  
Middle East & Africa

HIKVISION FZE  
2022  
52<sup>nd</sup> Floor, Almas Tower,  
JLT, Dubai

Date: October 26<sup>th</sup> ,

**Subject: Authorization Letter**

Project: ATLP Service Centre  
Client: Abu Dhabi Ports  
Consultant: Baynuna  
Contractor: Freidburg  
SI Partner: Metric Technologies LLC

This is to certify that **Metric Technologies LLC** PO Box: 3155, Abu Dhabi, UAE is an authorized SI Partner of **HIKVISION FZE** in the territory of the United Arab Emirates and are fully supported and qualified to Supply/Install/Testing/Commissioning HIKVISION CCTV systems for the above projects details.

**This authorization is valid until October 30<sup>th</sup> , 2023 under renewable basis.**

Should you have any questions regarding this Authorization Letter, please do not hesitate to contact us.

For and on behalf of HIKVISION FZE

**Aliyath Pramod**  
**Director of Project Sales**

Tel: +971 4 4432090  
Fax: +971 4 8816057

LEGRAND SNC FZE, License No. 01425

MAIN REGIONAL REPRESENTATIVE  
OFFICE – GULF COUNTRIES  
DSO wing B & C - Office 701 Dubai Silicon Oasis  
P.O. Box 341068 – Dubai, UAE  
Tel: (+971) 4 382 18 21 - Fax: (+971) 4 382 18 22  
www.legrand.ae

Date: **October 27, 2022**  
Ref.: **LPL8/AE/1022/A/036**

Subject: **Legrand Structure Cabling System Authorization Letter**

### To Whom It May Concern

**PROJECT:** ATLP SERVICE CENTRE, AD PORTS  
**CONSULTANT:** M/s BAYNUNA ENGINEERING CONSULTANCY  
**CONTRACTOR:** M/s FREIBURG

Dear Sir,

We are glad to inform that **M/s Metric Technologies LLC** is keen to use our (**Legrand Structured Cabling System**) products in their system for the project mentioned above. They are purchasing original and genuine components through our local authorized distributor.

The standard Legrand **Structured Cabling** warranty is applicable for all components against any manufacturing defects purchased from our product range through our authorized distributors provided they are selected and installed as per electrical regulations and Legrand instruction manuals.

As a System Integrator **M/s Metric Technologies LLC** is responsible for the design, installation, testing & commissioning, and quality of the final product.

We wish **M/s Metric Technologies LLC** all the success for this project.

Thank you for considering Legrand for your development projects.

For **LEGRAND SNC FZE**



 **legrand** S.N.C. FZE  
DSO wing B & C - Office 701  
DSO Headquarters  
P.O. Box 341068 Dubai UAE  
Tel : +971 4 382 1821  
Fax : +971 4 382 1822

**Davish PUTHEN**  
**Country Sales Manager – U.A.E**

Hikvision FZE  
52<sup>nd</sup> Floor, Almas Tower,  
JLT, Dubai

Date: 26, Jan 2020

**Subject:** Authorization Letter  
**To:** Metric Technologies LLC  
**Phone:** +971 50 9015110

**Address:** PO Box: 3155, UAE

This is to certify that Metric Technologies LLC  
is authorized to supply, install, commissioning of HIKVISION video & non-video products for  
Media Zone Plot 40 & 41, **AbuDhabi Project.**

This authorization is valid until December 31, 2020.

Should you have any questions regarding this Authorization Letter, please do not hesitate to  
contact us.

For and on behalf of Hikvision FZE

Thanking You

Pramod Aliyath  
Director Project Sales-Dubai

Yours sincerely,



Pramod Aliyath  
Project Sales Director -Dubai

For and On Behalf of **HIKVISION FZE**



Ref: AR-ME-030320-PS

03<sup>rd</sup> March 2020

**Sub: - Authorized Partner**

**To, whomsoever it may concern.**

We, Hanwha Techwin (Former Samsung Techwin), manufacturer for Wisenet CCTV and ACS systems, would like to confirm that **Metric Technologies LLC** is an authorized partner to install, test, commission and maintain Wisenet Security products. **Metric Technologies LLC** is having their design team trained on Wisenet security systems and we assure you of their services.


Sincerely,

Mohamad Arab,

Business Development Manager, AUH.

Hanwha Techwin Middle East FZE. Security Solution Division

[Mohamad@hanwha.com](mailto:Mohamad@hanwha.com) , T +971-(0)4-8709318, M +971-(0)52-7155755, <http://hanwha-security.com/>



Hanwha Techwin

WISENET





P.O. Box 2946 - Abu Dhabi - U.A.E. Al Salam Street - Bldg. # 5  
Tel. +(971) 2 6795333 Fax. +(971) 2 2794609  
mail@telectron.ae - www.telectron.net



**Date: 16<sup>th</sup> January, 2019**

**Our Ref: ISA004/GL/2019**

FOR A GOOD REASON  
**GRUNDIG**

### **To Whom It May Concern**

We, Telectron, the authorized partners of GRUNDIG, Germany, for the CCTV and Surveillance Systems in the UAE, hereby confirm that **M/s Metric Technologies L.L.C.**, P.O. Box 3155, Abu Dhabi, UAE, are our authorized resellers and installers of GRUNDIG Systems and Equipment.

**M/s Metric Technologies L.L.C.** have sufficient experience in this field and do possess the required expertise, tools and skilled manpower, to professionally handle the installation and servicing of the above said systems and equipments.

We also undertake to extend to **M/s Metric Technologies L.L.C.** the technical support, and supply them with the spare parts for their projects related to the equipments of our principals GRUNDIG, whenever they require.

This letter is given to **M/s Metric Technologies L.L.C.** upon their request, and can be presented to any concerned party with regards to the Installation and Servicing of the above stated products.



**TELECTRON**

# WatchNET<sup>®</sup>

www.watchnetinc.com

## Authorized System Integrator & Business Partner

This certificate is confirm that



**Metric Technologies LLC**

Is one of the authorized System Integrator & Business Partner representing UAE Territory. Metric Technologies LLC, UAE is Authorized to prompt, install, maintain all Security Devices and Systems. They are also authorized to sell, promote, install, Service & Support of Digital Video Recorders, Cameras, NVRs, Software, Access Control System and other WatchNET's complete line of products in the territory of UAE. This certificate is valid for the period



**Alex Thomas**  
President & CEO

**351 Ferrier Street, Markham  
Ontario, L3R 5Z2, CANADA**

**Satish Krishnamoorthy**  
General Manager  
Middle East & Africa



March 5, 2020

**METRIC TECHNOLOGIES LLC**

**P.O. Box: 3155.**

**Abu Dhabi, UAE**

This letter is to confirm our acceptance of Metric Technologies as an authorized official IDIS partner for UAE market. As a certified partner, Metric Technologies will be entitled to take full advantage of all the partnership benefits listed below.

- ◆ Marketing support with product literature & case studies
- ◆ Free Software Update
- ◆ Free training & technical support
- ◆ IDIS Sales leads for your region
- ◆ Discounted demonstration equipment
- ◆ Supplying Spare parts for 5 years

Going forward, we all look forward to building a lucrative and positive business relationship between our companies.

Best regards



Harry Kwon  
General Manager  
IDIS Middle East





**This is to certify that**

## **Metric Technologies L.L.C.,**

located in P.O. Box 3155 Abu Dhabi, United Arab Emirates

**Is an official value added reseller and authorized ANPR Installer by  
Candid Security Solutions LLC.**

**Certificate No.: 1543**

**Certificate Issue Date: January 1, 2020**

Mr. Tawfiq Al Jaja  
GENERAL MANAGER – MENA



**Validity: 1 year from issuance date**

**Internet:** [sales@candid-ss.com](mailto:sales@candid-ss.com) | [www.candid-ss.com](http://www.candid-ss.com), [www.candid-protrac.com](http://www.candid-protrac.com)

**Germany - HQ**

Wachsmuth, 13, 40878 Ratingen  
Phone: +49 2102 329 670

**Hungary - R & D**

1181 Budapest, Jászai utc 1-5  
Phone: +36 1 730 5317

**Dubai - MENA**

51, Tower Office # 2210, World Hess Street  
Dubai Silicon Oasis, United Arab Emirates  
Phone: +971 4333 2070, Fax: +971 4333 2076



## Metric Technologies LLC

---

IS A DELL TECHNOLOGIES AUTHORIZED SOLUTION PROVIDER PARTNER

A handwritten signature in black ink, appearing to read 'Rola Dagher', written over a horizontal line.

**Rola Dagher**

Global Channel Chief,  
Dell Technologies

*29 January 2022 – 3 February 2023*



**Promise Technology Europe B.V. (BR)**

I-705, DSO HQ Building,

P.O. Box 341041

Dubai Silicon Oasis, Dubai (UAE)

Tel: +971 4 345 4705

Dubai, 19<sup>th</sup> March 2017

AUTHORIZATION LETTER

Promise Technology, located at Sciencepark 5228, 5692 EG SON, The Netherland and having a worldwide network of offices including an office located in the DSO HQ Building – Icon 705, Dubai UAE.

This letter is to confirm that Metric Technologies L.L.C is an Authorized Promise Technology Partner in UAE.

Metric Technologies L.L.C is qualified to do the installation and configuration of Promise Technology Storage Solutions.

Promise Technology as a Manufacturer warrants the after sales support and service for all her products as well.

With kind regards,

A handwritten signature in blue ink is written over a blue rectangular stamp. The stamp contains the following text: 'Promise Technology Europe BV', 'Science Park Eindhoven 5228', '5692 EG Son The Netherlands', 'T: +31 (0)40 235 2600', and 'F: +31 (0)40 256 9463'.

Promise Technology Europe BV  
Science Park Eindhoven 5228  
5692 EG Son The Netherlands  
T: +31 (0)40 235 2600  
F: +31 (0)40 256 9463

Promise Technology

John van den Elzen ([john.van.den.elzen@eu.promise.com](mailto:john.van.den.elzen@eu.promise.com))

Managing Director EMEAR/GM WW Sureveillance BU

07 June 2020

## LETTER OF PARTNERSHIP

To: Whom it may concern

Dear Sir/Madam

We Milestone Systems ME a branch of Milestone Systems A/S© a stand-alone company in Canon Group, world-leading provider of Milestone XProtect® Video Management Software, having Headquarter and development centre at Banemarksvej 50 C DK-2605, Brondby, Denmark do hereby certify that, **Metric Technologies LLC** is a **Gold** Registered Milestone channel partner and that Milestone Systems and **Metric Technologies LLC** have entered into an agreement for the purchase, resell and support of Advanced family products and/or Services in **United Arab Emirates**.

This means that **Metric Technologies LLC** is duly authorized to purchase and resell Milestone Advanced family products in **United Arab Emirates**.

Should you require further information, do not hesitate to contact us.

Regards,

Milestone Systems Middle East

Hani Al-Hindi

Business Channel Manager, UAE





7 June, 2020

Subject: Authorization Letter

TO WHOM IT MAY CONCERN

Dear Sir(s),

We, Paxton Access Ltd hereby confirm that Metric Technologies, L.L.C, with a head office PO Box 3155, Abu Dhabi, United Arab Emirates, is authorised to purchase, supply and install our products in the United Arab Emirates.

Accordingly, Metric Technologies, L.L.C will get the necessary support from us to ensure end-user satisfaction and proper implementation of our products on site.

Regards,



David Sodergren  
Regional Manager  
Paxton UK FZE  
+971 54 301 6289

# Certified Opterna® Integrator Structured Cabling Solutions

**Certificate No :** OME/PRE/19/027

**Awarded to :**

**Metric Technologies LLC**

Office No. 401, Abdullah Bin Shibani Building

Khalifa Street, Abu Dhabi,, U.A.E

Tel: +971 2 666 6587

**Date of original certification :** August 29<sup>th</sup> 2019

**Certificate Validity:** August 28<sup>th</sup> 2021

**OPTERNA International**  
44901, Falcon Place, Suite-116,  
Sterling, VA 20166, U.S.A.  
Ph: +1 703 653 1130, Fax : +1 703 803 8313

**Presented by:**



**Derek Furtado**

**Director - Products & Solutions**



17-May-2019

To Whom It May Concern

Dear Sir/Madam,

We would like to confirm that M/s Metric Technologies LLC, is an Excel accredited partner and are trained exclusively by Excel to be an 'Excel Cabling Partner' (ECP). As a System Integrator, the company is entitled to receive optimal technical and product support from Excel Networking.

A 25-year product warranty will be issued by Excel Networking on successful completion of the project by M/s Metric Technologies LLC, as per the terms and conditions mentioned in the Excel Networking 25 year product warranty program. As an ECP, M/s Metric Technologies LLC, will get a whole host of benefits including pre sales support, toolbox training, Excel audits, project price support, branded Excel literature and free product literature. Excel Networking will also provide the required support to ensure end-user satisfaction and ensure standards compliance.

**25 Year Warranty Details:**

The Excel system warranty which covers the end to end solution, provides assurance of fibre and/or copper link performance, covering patch panel to outlet and/or patch panel to patch panel links. The warranty covers components and applications. This means that if a component in any link fails, or the structured cabling fails to support an application that it has been tested to carry (such as 10 Gigabit Ethernet), then a claim can be made on the warranty.

All links must be installed and tested to Excel and industry guidelines to qualify for the warranty.  
(Refer to 'Warranty procedure' and Installation Guidelines section detailed on the Excel website).

The following, if tested and included in the warranty registration form are covered:

Copper and Fibre versions of

- Horizontal links (Patch Panel to Outlet)
- Rack links (Patch Panel to Patch Panel)
- Backbone links (Patch Panel to Patch Panel between communications room or area)
- MTP Optical Fibre installations (Test in accordance with the details of the Fibre Optic Links Section)
- Copper harness or Switch Links (comprising of patch panel and solid or stranded patch leads)
- Patch leads (must be Excel and detailed on the application)

**Head Office**  
Excel House  
Junction Six Industrial Park  
Electric Avenue  
Birmingham B6 7JJ  
England

T: +44 (0) 121 326 7557  
F: +44(0) 121 327 1537  
E: sales@excel-networking.com

Excel is a registered trade name of Maybee Holdings Ltd





**TO WHOMSOEVER IT MAY CONCERN**

This is to confirm that **Metric Technologies LLC, UAE** is an approved partner of Avalon Products in the UAE. Metric Technologies have their design team trained on the Avalon Products and we assure you of their services.

Metric Telecom is thus authorized to design, install, test and commission Avalon Products and cabling systems as per our guidelines and compliance with International standards.

25 years performance warranty shall be provided on successful installation of Avalon Cabling Systems by Metric Telecom on the basis of 100% review of the test results by Avalon.

Avalon Networks is a UK based company and we specialize in providing IT, Networking, Telecom products and services.

We hope the above meets with your approval requirements and feel free to revert to the undersigned for any clarifications that you may need.

Best regards,

**Karan Mannar**  
Managing Director





**Date: 16<sup>th</sup> January, 2019**

**Our Ref: ISA003/GL/2019**



## **To Whom It May Concern**

We, Telectron, the authorized partners of WISI, Germany, for the SMATV, IPTV and Cable TV Systems in the UAE, hereby confirm that **M/s Metric Technologies L.L.C.**, P.O. Box 3155, Abu Dhabi, UAE, are our authorized resellers and installers of WISI Systems and Equipment.

**M/s Metric Technologies L.L.C.** have sufficient experience in this field and do possess the required expertise, tools and skilled manpower, to professionally handle the installation and servicing of the above said systems and equipments.

We also undertake to extend to **M/s Metric Technologies L.L.C.** the technical support, and supply them with the spare parts for their projects related to the equipments of our principals WISI, whenever they require.

This letter is given to **M/s. Metric Technologies L.L.C.** upon their request, and can be presented to any concerned party with regards to the Installation and Servicing of the above stated products.



**TELECTRON**

Date: 19-09-2019

## TO WHOM IT MAY CONCERN

### Subject : Authorisation Letter

This Letter is to certify that **TELEVES MIDDLE EAST FZE**, subsidiary Company of TELEVES S.A. Spain with business address on this Cover Letter dedicated to the Design, the Production and After Sales Service of: Electronic and mechanical devices for reception, Broadcasting and Distribution of Radiofrequency signals (Television, Radio and Data) and **METRIC TECHNOLOGIES LLC, Abdullah Bin Shiban Bldg Office no. 401, P.O Box 3155, Khalifa Street, Abu Dhabi, UAE**, have direct business cooperation for the Distribution of TELEVES products in UAE.

**METRIC TECHNOLOGIES LLC** is authorized to Install TELEVES products.

Regards,

**Rino Raj**  
**Sales And Technical Engineer**

Televes Middle East FZE  
P.O Box 17199. Jebel Ali Free Zone  
Dubai. U.A.E.

**Televes®**  
Middle East FZE  
P.O. Box: 17199  
Jebel Ali Free Zone  
Dubai - U.A.E.



**To whom it may concern**

Dubai, 14<sup>th</sup> July 2020

**Subject: Authorization letter**

While confirming that M/s TELETRON (Electronic Services Co. WLL), P.O. Box 2946 Abu Dhabi, is a VIMAR authorized dealer in the UAE,

We hereby confirm that

M/s Metric Technologies LLC, P.O. Box 3155 Abu Dhabi, are TELETRON's authorized resellers and installers for our ELVOX branded Door Entry, CCTV, Gate Automation.

M/s Metric Technologies operates in coordination with and through M/s TELETRON, as detailed in the here attached related TELETRON's letter.

The present letter is given to M/s Metric Technologies upon their request with the full awareness and acceptance of our authorized dealer M/s TELETRON, and can be presented to any concerned party with regards to the installation and servicing of the above stated products.

Validity: up to 31/12/2021.

Yours sincerely,

Vimar Middle East (branch)  
Ivano Roman  
Middle East & India Regional Manager

A handwritten signature in blue ink, appearing to read "Ivano Roman", written over a light blue grid background.

**VIMAR MIDDLE EAST**

P.O. Box: 54580, Dafza  
DUBAI - U.A.E.

Ref : PRS-L 01/2020

Dated : 06/06/2019

To : Metric Technologies LLC  
P.O.BOX: Abu Dhabi, UAE

Atten : Mr. Ali R. Mourtada

Project: Media Zone- Yas island, Abu Dhabi, UAE

System: HVM PAS 68 Bollards- Fixed & Rising Bollards

Subject: Authorization for Bollards Installation

Dear Sir,

Good day!

We are hereby authorizing **on behalf of M/s Frontier Pitts as Authorized distributor to M/s Metric Technologies** for Installing the HVM Bollards in our Supervision for **Media Zone –Yas Island Project**, we pass on all rights to M/s Metric Technologies and have no objection for M/s Metric Technologies to Handle Project

This authorization letter will be valid from date of 06/06/2020 until any further notice.

Thank you for your cooperation

**Best Regards,**

**Dima Awada**  
**General Manager**  
**dima@prosecure.ae**

# Frontier Pitts ME FZ LLE



✉ Office 1002, C34 Building  
Abu Dhabi  
United Arab Emirates  
Sales Hotline: 00971 502356478  
☎  
@ [sales@frontierpitts.ae](mailto:sales@frontierpitts.ae)  
[www.frontierpitts.com](http://www.frontierpitts.com)

Date:20/09/2020

Subject: Confirmation Letter

To whom it may concern,

This is a confirmation letter that Frontier Pitts Ltd are supporting Metric Technologies LLC in Abu Dhabi for the Media Zone Development Project through our local distributor "Prosecure" and our local office in Abu Dhabi.

Prosecure and our local office in Abu Dhabi will support Metric Technologies LLC for the technical aspect of the system including but not limited to installation, design, and commission.

If you require any further information, please don't hesitate to contact me

Kind regards

A handwritten signature in black ink, appearing to be "Ali Al-Sohaini".

**Ali Al-Sohaini BEng (Hons)**

**General Manager (Frontier pitts Middle East)**

**Office: 00971 502356478**

**Mobile: +44 (0) 7970677641**

**Email: [sales@frontierpitts.ae](mailto:sales@frontierpitts.ae)**

**Website: [www.frontierpitts.com](http://www.frontierpitts.com)**



Date: April 14, 2021  
Ref.: DXB.21/7188

## TO WHOM IT MAY CONCERN

**Project : Al Aryam Villa**

Dear Sirs,

We NEXANS CABLING SOLUTIONS hereby confirm that **METRIC TECHNOLOGIES** is an Authorized Reseller for us in United Arab Emirates.

Accordingly, **METRIC TECHNOLOGIES** will be able to provide end-users with Nexans Cabling Solutions 25 years warranty certification, provided that the implementation is executed in accordance with our field installation procedures and the final testing results meet the respective International Standards.

This letter is considered valid for one calendar year from its date.

Sincerely,



Arafat Ghaleb Yousef  
Managing Director, Middle East & Africa





This is to certify that the Company

**Metric Technologies LLC**

is an official partner of TiSO-PRODUCTION LLC on the territory of:

**United Arab Emirates**



This certificate gives rights to Promote, Sell, Install and Maintain all TiSO Production products

Validity up to 1st January 2021



Date: April 2, 2017

To: M/S. Metric Technologies LLC

Subject: Official Dealership Status

The following document is to verify that **Metric Technologies LLC**, located in Abu Dhabi, operating under commercial license: CN-1674035, is a certified re-seller and installer of the following product lines:

**EnGenius**

Metric Technologies LLC are qualified, capable and trained installers of the products above.

We further attest to the fact that **Bulwark** is the official authorized distributor for the products outlined above.

for Bulwark Distribution FZCO



To: M/S. Metric Technologies LLC

Date: April 2, 2017

Subject: Authorization letter

The following document is to verify that **Metric Technologies LLC**, located in Abu Dhabi, operating under commercial license: CN-1674035, is a certified re-seller and installer of the following product lines:

Firetide

Ruckus

Cambium

Metric Technologies LLC are qualified, capable and trained installers of the products above.

We further attest to the fact that Minerva Technologies is the official authorized distributor for the products outlined above.

For Minerva Technologies



Finance Manager

Authorized Signatory



# REDWOOD GENERAL TRADING

203 Al Asmawi Building  
Dubai Investment Park  
DUBAI, POBox 440346  
UNITED ARAB EMIRATES  
Phone: +971 48829779  
Email : [Nathan@redwood-tech.com](mailto:Nathan@redwood-tech.com)  
Website: [www.redwood-tech.com](http://www.redwood-tech.com)



From: Redwood General Trading LLC (Commercial License 653807)

To: Metric Technologies LLC (CN-1674035)

Date: Jan 5, 2015

Redwood General Trading LLC (Commercial License 653807) hereby declares that Metric Technologies LLC (CN-1674035) is an official dealer/installer of the following products:



On behalf of Redwood General Trading LLC (Commercial License 653807),

Name:

DAVID FELL  
Operations Manager

Signature:

A handwritten signature in blue ink, appearing to read "DF".

Company Stamp:





To: M/S. Metric Technologies LLC  
Date: April 2, 2017  
Subject: Official Dealership Status

The following document is to verify that **Metric Technologies LLC**, located in Abu Dhabi, operating under commercial license: CN-1674035, is a certified re-seller and installer of the following product lines:

**Suprema (All Devices)**

Metric Technologies LLC are qualified, capable and trained installers of the products above.

We further attest to the fact that **ScreenCheck Middle East FZC** is the official authorized distributor for the products outlined above.



---

**ScreenCheck Middle East FZ LLC**

P.O.Box : 502151, Office # 1712, Grosvenor Business Tower, Dubai, U.A.E., Tel.: +971 4 3910707, +971 4 4548459

Fax: +971 4 3245107, E-mail: [info@screencheckme.com](mailto:info@screencheckme.com), Website : [www.screencheckme.com](http://www.screencheckme.com)

UAE | QATAR | OMAN | KUWAIT | SAUDI ARABIA | INDIA



**Super General  
Trading Co. L.L.C.**

Tel : +971 4 - 2137880 Fax : +971 4 - 2684406  
P.O. Box : 322, Dubai, U.A.E.  
E-mail : info@sgtpro.com  
Website : www.sgtpro.com



**السوبر للتجارة  
العامة ش.ذ.م.م.**

هاتف : +971 4 2137880 فاكس : +971 4 2684406  
ص.ب. : 322 دبي. الامارات العربية المتحدة  
البريد الإلكتروني : info@sgtpro.com  
الموقع الإنترنت : www.sgtpro.com

08<sup>th</sup> Jan 2018

**TO WHOM IT MAY CONCERN**

We **SUPER GENERAL TRADING COMPANY (SGTC PRO)** are the distributors of QSC products, and dealers of TOA, DENON Audio products in UAE.

SUPER GENERAL TARDING COMPANY is pleased to appoint M/s Metric Technologies LLC as an Authorized Integrator for doing the installation, testing and commissioning for all of our products.

Yours Sincerely,

SIMON DANIEL

DIVISIONAL MANAGER,

Super General Trading Company L.L.C..



Showroom  
Tel : +971 (4) 227 39 16

Qatar Branch  
Mob : +974 (55) 01 3491

Oman Branch  
Tel : +968 9436 9172

Control4



**GCC Control4 Dealer of the Year**

is awarded to

**METRIC TECHNOLOGIES**

19 FEB 2020

DATE



**BRODIE CLEMENT**  
Regional Director

# Dealership CERTIFICATE



We hereby certify that

**Metric Technologies**  
*Abu Dhabi, United Arab Emirates*

is an authorized dealer of  
**CONTROL4 Products**  
from 2012/2020



Brodie Clement

Control4

FZS1 AH05 JEBEL ALI FREE ZONE  
DUBAI, UNITED ARAB EMIRATES





A Leaf FZCO

FZS1 AH05, Jebel Ali Free Zone  
Dubai, United Arab Emirates  
P.O. Box : 261431  
T+971 4 880 7999  
F+971 4 880 9997  
www.leaf-connect.com

Wednesday, 24<sup>th</sup> June 2020

Subject: Authorized Dealer & Installer.

To whom it may concern,

In our capacity of distributor, we supply for over a decade automation and audio-visual solutions for residential applications to systems integrator in the GCC region.

We solely represent several brands/manufacturers in the Gulf region to strategically offer smart home solutions via a network of experienced and professional dealers' installers. Our products portfolio comprises the following vendors/manufacturers:

- Control4
- Packedge Networking
- Triad
- Lithe Audio
- Binary
- Ekinex
- Episode
- Araknis
- Anthem
- Paradigm
- Intesis

In that respect and without any liability, this is to confirm that Metric Technologies, our trusted dealer installer is authorized to supply, install, and commission all the products/solutions we carry in our products portfolio.

Should you need any further information, we remain at your disposal.

Yours sincerely,

Julien Meyle  
Regional Sales Manager







# AUTHORIZED DEALER CERTIFICATE

CERTIFIES THAT:

"METRIC TECHNOLOGIES"

is an authorized Crestron Dealer for the Crestron product line in good standings.

As an authorized CRESTRON Dealer, this dealer may represent themselves as such and is entitled to supply, install and service our products and have full warranty privileges as per Crestron's Standard Terms and Conditions & Warranties\*.

**Annelies Kampert**  
General Manager  
Crestron Europe

A handwritten signature in blue ink, appearing to read "Annelies Kampert", written over a horizontal line.

Signature

05/07/2021

Date

Crestron Europe  
Oude Keerbergsebaan 2  
B-2820 Rijmenam

Customer Number:1032045

**Date: June 30, 2020**

**Subject: Authorized Dealership**

**To: Whom it may concern**

GR Media Solutions LTD (GRMS) hereby attests that Metric Technologies, located at Etihad Tower, Al Manara Pharmacy Building Khalifa Street, Abu Dhabi, United Arab Emirates (UAE), is an authorized dealer & reseller for the below manufacturers.

GRMS warrants that all products supplied via partner Metric Technologies is in new condition and is guarded via International Warranties, as per the policies of each brand.

GRMS hereby confirms that Metric is capable of handling full supply, installation, and after-sales services of the products, having completed the required training workshops.

This attestation is made possible on behalf of GR Media Solutions regional distribution agreements with the below companies.

This letter is valid for one year from date of issue, and can be renewed upon request.

Manufacturer	Headquarters	Manufacturer	Headquarters
Amina	United Kingdom	Fonestar	Spain
Artcoustic	Denmark	Future Automation	United Kingdom
Artnovion	Portugal	Kaleidescape	United States
Audio Control	United States	Kauber	Poland
Autonomic	United States	Kordz	Australia
Barco (Residential)	Belgium	Palliser	Canada
Black Nova	Hong Kong	Sonance	United States
Bowers & Wilkins	United Kingdom	Sonos	United States
Bel Air Cinema	Spain	Stewart Filmscreen	United States
Digital Projection	United Kingdom	Trinnov Audio	France
Display Technologies	United Kingdom	WyreStorm	United States
Elac	Germany		



Best Regards,



Michael Milad  
GR Media Solutions LTD

HDS Business Centre, Jumeirah Lake Towers - Cluster M, Dubai, U.A.E.

T +971 4457 2188/7 F +971 44572187

[www.grmediasolutions.com](http://www.grmediasolutions.com)

**CEDIA**<sup>™</sup>  
MEMBER

**AVIXA**  
Member

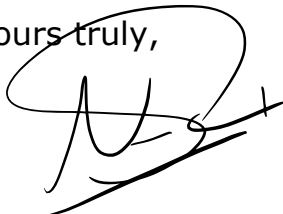
Swindon, 30 June 2020

To Whom It May Concern:

Hereby we declare that Metric Technologies, located at Etihad Tower, Al Manara Pharmacy Building, Khalifa Street, Abu Dhabi, United Arab Emirates (UAE), has applied for and met all the requirements for the Authorized WyreStorm dealership for the year 2020, and they are certified to sell, program and install the full WyreStorm product line and software.

Please feel free to contact us in case you have any questions.

Yours truly,



Vincent Philippo  
Vice President International Sales



**To Whom It May Concern**

Subject: **Metric Technologies LLC**

We M/s Lutron GL Ltd. certify that Metric Technologies LLC is an authorized integrator in UAE having a certified team to design, sell and program Lutron Residential systems.

Lutron team shall provide full technical support to Metric Technologies LLC in any project if requested.

Please contact us for any further clarification.

**For any further information please contact us at any time.**

**Best Regards**

Regional Sales Manager  
Omar Tabbara





# ISO & ICV Certification

# CERTIFICATE of Registration



This is to certify that The Quality Management System of:

## METRIC TECHNOLOGIES L.L.C.

P.O. BOX 3155, OFFICE NO. 604, SILVER WAVE TOWER, PLOT NO. C51,  
E14, AL ZAHYAH, ABU DHABI, UAE

Has been assessed and found to be in accordance  
with the requirements of

---

**ISO 9001:2015**

---

**Hold Certificate No.:** AE.07.100.9001.970.0422

IN RESPECT OF SECURITY & SURVEILLANCE SYSTEMS INSTALLATION & MAINTENANCE, TELECOMMUNICATION SYSTEMS EQUIPMENT INSTALLATION AND MAINTENANCE, INFORMATION TECHNOLOGY NETWORK SERVICES, COMPUTER INFRASTRUCTURE ESTABLISHMENT, INSTITUTION AND MAINTENANCE, WHOLESALE OF PRECISE ELECTRONIC DEVICES TRADING, WHOLESALE OF ALARM AND MONITOR DEVICES AND EQUIPMENT TRADING, EXTRA LOW VOLTAGE (ELV) CONTRACTING, INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) CONTRACTING AND AUDIO VISUAL (AV) INSTALLATIONS.

**Certificate Issued On:** *June 13, 2022*

**Certificate Expire On:** *June 12, 2025*

This Certificate is the property of IMCD Certification and remains valid  
Subject to satisfactory annual surveillance audit.

Recertification Audit before *June 12, 2025*

A handwritten signature in blue ink, appearing to be 'S. J.', written over a horizontal line.

Certification Director



LIST OF THE COUNTRIES WHERE IMCD CERTIFICATION CAN ISSUE USCB ACCREDITATION CERTIFICATES:

Offices in Argentina, Australia, Brazil, China, Colombia, Denmark, Finland, Greece, Japan, Lesotho, Qatar, Malaysia, Mexico, Netherlands, New Zealand, Philippines, Poland, Singapore, Spain, Sweden, Thailand, US, UK, UAE & Vietnam  
Address: West Midlands, England, UK. Web: [www.imcdcert.com](http://www.imcdcert.com)

**No. 418.9001.AE**



# CERTIFICATE of Registration



This is to certify that The Environmental Management System of:

## METRIC TECHNOLOGIES L.L.C.

P.O. BOX 3155, OFFICE NO. 604, SILVER WAVE TOWER, PLOT NO. C51,  
E14, AL ZAHYAH, ABU DHABI, UAE

Has been assessed and found to be in accordance  
with the requirements of

---

**ISO 14001:2015**

---

**Hold Certificate No.:** AE.30.200.14001.971.0422

IN RESPECT OF SECURITY & SURVEILLANCE SYSTEMS INSTALLATION & MAINTENANCE, TELECOMMUNICATION SYSTEMS EQUIPMENT INSTALLATION AND MAINTENANCE, INFORMATION TECHNOLOGY NETWORK SERVICES, COMPUTER INFRASTRUCTURE ESTABLISHMENT, INSTITUTION AND MAINTENANCE, WHOLESALE OF PRECISE ELECTRONIC DEVICES TRADING, WHOLESALE OF ALARM AND MONITOR DEVICES AND EQUIPMENT TRADING, EXTRA LOW VOLTAGE (ELV) CONTRACTING, INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) CONTRACTING AND AUDIO VISUAL (AV) INSTALLATIONS.

**Certificate Issued On:** *June 13, 2022*

**Certificate Expire On:** *June 12, 2025*

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Subject to satisfactory annual surveillance audit.

Recertification Audit before *June 12, 2025*

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Certification Director



LIST OF THE COUNTRIES WHERE IMCD CERTIFICATION CAN ISSUE USCB ACCREDITATION CERTIFICATES:

Offices in Argentina, Australia, Brazil, China, Colombia, Denmark, Finland, Greece, Japan, Lesotho, Qatar, Malaysia, Mexico, Netherlands, New Zealand, Philippines, Poland, Singapore, Spain, Sweden, Thailand, US, UK, UAE & Vietnam

Address: West Midlands, England, UK. Web: [www.imcdcert.com](http://www.imcdcert.com)

**No. 347.14001.AE**

# CERTIFICATE of Registration



**CERTIFICATION**

This is to certify that The Occupational Health & Safety  
Management System of:

## **METRIC TECHNOLOGIES L.L.C.**

P.O. BOX 3155, OFFICE NO. 604, SILVER WAVE TOWER, PLOT NO. C51,  
E14, AL ZAHYAH, ABU DHABI, UAE

Has been assessed and found to be in accordance  
with the requirements of

---

**ISO 45001:2018**

---

**Hold Certificate No.:** AE.07.100.45001.972.0422

IN RESPECT OF SECURITY & SURVEILLANCE SYSTEMS INSTALLATION & MAINTENANCE, TELECOMMUNICATION SYSTEMS EQUIPMENT INSTALLATION AND MAINTENANCE, INFORMATION TECHNOLOGY NETWORK SERVICES, COMPUTER INFRASTRUCTURE ESTABLISHMENT, INSTITUTION AND MAINTENANCE, WHOLESALE OF PRECISE ELECTRONIC DEVICES TRADING, WHOLESALE OF ALARM AND MONITOR DEVICES AND EQUIPMENT TRADING, EXTRA LOW VOLTAGE (ELV) CONTRACTING, INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) CONTRACTING AND AUDIO VISUAL (AV) INSTALLATIONS.

**Certificate Issued On:** *June 13, 2022*

**Certificate Expire On:** *June 12, 2025*

This Certificate is the property of IMCD Certification and remains valid  
Subject to satisfactory annual surveillance audit.

Recertification Audit before *June 12, 2025*

A handwritten signature in blue ink, appearing to be 'S. J.', written over a horizontal line.

Certification Director



LIST OF THE COUNTRIES WHERE IMCD CERTIFICATION CAN ISSUE USCB ACCREDITATION CERTIFICATES:

Offices in Argentina, Australia, Brazil, China, Colombia, Denmark, Finland, Greece, Japan, Lesotho, Qatar, Malaysia, Mexico, Netherlands, New Zealand, Philippines, Poland, Singapore, Spain, Sweden, Thailand, US, UK, UAE & Vietnam  
Address: West Midlands, England, UK. Web: [www.imdcert.com](http://www.imdcert.com)

**No. 371.45001.AE**





# IN-COUNTRY VALUE CERTIFICATE

Certificate ID: **117303**  
Issue Date: **10.08.2022**  
Valid Until: **21.04.2023**

## METRIC TECHNOLOGIES L.L.C.

**20.91%**

### Company General Information

License No.: **CN-1674035**  
Company Type: **SME in UAE**  
Financial Year End Date: **31.12.2021**  
Company based in: **Within UAE**  
Company Business: **SERVICE PROVIDER**

### For Cases of Re-Certification

Re-Certification (\*) No.:

Reason for this Re-Certification



### Signed By

On behalf of Supplier

### Name:

Ali Mourtada

### Designation:

General Manager

### Verified as per ICV Agreed Upon Procedures (AUP)

On behalf of Certification Body

### Name:

Peter Brooks

### Designation:

Senior Partner & Managing Director

**Electronically signed by**

**Peter Brooks**

### Company:

Baker Tilly MKM Chartered Accountants

Certificate Issued Based on ICV Version: 3.0

# HEALTH, SAFETY AND ENVIRONMENTAL POLICY AND PROCEDURE

**METRIC TECHNOLOGIES L.L.C.**

P.O.BOX: 3155 | Abu Dhabi, UAE  
T: +971 2 666 6587 F: +971 2 622 4014  
E: [info@metric-tec.com](mailto:info@metric-tec.com)



[www.metric-tec.com](http://www.metric-tec.com)

**شركة مترك تكنولوجيا ش.م.م.**

ص.ب: 3155 أبوظبي - الإمارات العربية المتحدة  
تلفون: +971 2 666 6587 فاكس: +971 2 622 4014  
البريد الإلكتروني: [info@metric-tec.com](mailto:info@metric-tec.com)

**HEALTH, SAFETY AND ENVIRONMENTAL  
POLICY AND PROCEDURE**

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**Section 1**  
**GENERAL**

## **1. GENERAL**

### **Introduction**

- The objectives of this HSE Project Manual is to provide all the necessary safeguards to protect the lives and health of the employees and other persons involved on site; to cover the prevention of damage to property, materials, supplies and equipment; and to avoid interruptions to site operations.
- The Manual as presented here is intended to indicate the specific approach to safety system to be adopted, and to clear definition of individual responsibility in matters of safety on site.
- It is the Project Manager, as ultimate organizer and controller of all site operations, who is responsible for all the safety of all persons and works, and who is responsible for safety and adherence to the HSE Project Manual. The Project Engineer is assigned the duty for leading, instructing and supervising on safety matters. This does not remove the obligation of others to advise and take corrective action at their respective levels of authority. As with all good HSE Project Manuals, each and every individual, including the client's staff, has a duty to actively participate in the site safety, for the wellbeing of all.
- Fundamental to the success will be the encouragement of awareness and education at all levels. From strict disciplinary action where necessary, to the compilation of accurate records of exposure date, the concern for safety will be manifested in a highly visible manner. In the following sections general procedures and responsibilities will be explained.
- All supervisory personnel, including foremen, shall read the HSE Project Manual and each individual shall sign to the effect that the document has been read and is fully understood.
- Sub-Contractors shall be subject to the same HSE Project Manual, procedures and disciplinary measures as the direct employees of the contractors. A senior representative of the sub-contractor on site is personally responsible for his organization's strict adherence in this respect.

**Abbreviations**

HSE	Health, Safety and Environment
TBT	Tool Box Talk Safety Meeting
MT	Metric Technologies LLC
P. Mgr	Project Manager
P. Engr.	Project Engineer
S. Engr.	Site Engineer
PPE	Personal Protective Equipment
MSDS	Material Safety Data Sheet

**Distribution List**

Copy No.	Issued to
1	HSE Engineer
2	Project Manager
3	Site Reference

**Section 2**  
**HEALTH, SAFETY AND ENVIRONMENTAL POLICY**



## **2. COMPANY HSE POLICY STATEMENT**

### **HEALTH, SAFETY & ENVIRONMENT POLICY**

Metric Technologies LLC is committed to achieving the best practical standards of Safety and Environmental protection in all spheres of the company.

The promotion of HSE measures as the prime objective for management and employees at all levels.

HSE plan of our company to achieve worker safety and health through the following

- Using a qualified safety person.
- Making regular job site safety inspection
- Identify and access hazards
- Plan to control hazards
- Enforcing the use of safety equipment
- Following safety procedure and rules
- Providing on-going safety training
- Enforcing safety rules and using appropriate discipline

It is company policy that accident prevention be a prime concern of all employees. This includes the safety and wellbeing of our employees, sub-contractor and clients, as well as the prevention of inefficient operation and damage to property and equipment.

#### **In particular the management has the following responsibilities:**

To provide and maintain Safe and Healthy working condition in it's working areas.  
To provide the required training to enable employees to perform his work safely and efficiently.

To make available all necessary safety devices and personal protective equipments (P.P.E's) for employees and supervise they are use.

To provide documented and approved HSE Engineer system procedure and implement same in order to prevent adverse effects on employees, equipment, property and the natural environment in working areas.

To maintain a constant and continuing interest in health, safety & environmental issues that are applicable to the company's activities, in particular, by consulting and involving employees whenever possible.

#### **The employee's responsibilities in maintaining this policy are:**

To understand they are role in fulfilling this policy and follow the safety instructions and guidelines for the overall safety and welfare of all.



To work safely and efficiently  
To use the protective equipments provided.

To report incidents that has led or may lead to injury, damage or loss, and avoid reoccurrence. To adhere to company's procedures and systems of work at all times.

The company sees this policy as a key element of our day to day operations and our success in the future. We shall therefore continually purse this policy through strong management commitment to health, safety and environmental issues in all of our activities.

**Section 3**

**SITE RESPONSIBILITIES**

### **3. SITE RESPONSIBILITIES**

#### **3.1 Responsibility**

As stated in the introduction to this manual, the overall responsibility for Safety matters rest with the Project Manager with duties assigned to the Project' Site Engineer to lead, instruct, and supervise on safety matters. They together with assigned Safety engineer/ Officer will be held responsible for the implementation and maintenance of the HSE Project Manual and for the control and discipline of staff, labor force and subcontractors in this respect. In accordance with good site management Engineer who in return co-ordinates with Project/ Site Engineers to execute the on-site site particulars on a day-to-day basis. Organization Chart shall be submitted separately.

#### **3.2 Project Manager Responsibilities**

The responsibilities of the Project Manager include but are not limited to the following:

- Ensuring that due consideration is given to all safety factors during pre-planning prior to the commencement of any new work on site.
- Ensuring that all construction procedures/ method statements incorporate appropriate safety requirements and that the methods are safe and practical.
- Compliance with the Company HSE Project Manual, Client requirements and other applicable laws and regulations, when applicable.
- Ensuring that all new employees are given induction and safety orientation instruction Site Safety Induction Form.
- Promoting total job safety to employees, subcontractors and all people in the job vicinity in accordance to the Company's HSE Project Manual.
- Ensuring that the appropriate medical and first aid equipment is available and that appropriate qualified personnel are available to administer first aid and medical attention.
- Ensuring that appropriate firefighting equipment is available in good working condition and that established emergency procedures are in place in the event of a fire or other emergency.(See Emergency Plan)
- Providing properly guarded and maintained tools, machinery, and equipment.
- Ensuring that proper safe access and lighting is provided with all the necessary barricades and signs around excavations, openings, and hazardous areas.
- Ensuring and maintaining good housekeeping conditions.
- Ensuring that fire hazards are eliminated.
- Advising employees regarding the hazards of their jobs and instruct them on how to do their work safely
- Ensuring regular TBT meeting is held and that all employees participate as appropriate.

- Maintain necessary register and accident records and promptly file reports as required by the company HSE Project Manual.
- Promptly investigate any accident, which causes injury or damage to property.
- Complete the Company accident Investigation Report and forward copies to the head office.
- Advise the head office as soon as possible of any serious accident or incident.

### **3.3 Project/ Site Engineer Responsibilities**

The Project/ Site Engineer shall be responsible for the following:

- Site and work areas are organized in such a manner that work is carried out to the required standard with minimum risk to men, equipment, and materials.
- All relevant safety laws and client safety regulations are observed.
- All tradesmen are given precise instructions on their working responsibilities.
- The delivery, transfer and storage of material and equipment are carried out in a safe manner and that all electrical supplies are installed and maintained safely.
- The work site is maintained in a safe, tidy condition at all times, and that debris is removed on a daily basis.
- All machinery and plant, including hand tools and powered tools, are maintained in a safe and serviceable condition.
- Adequate protective clothing and equipment is issued to each person within his control, and that the protective equipment is adequately available.
- Arrangements are made to investigate all accidents and incidents, which occur to discover their causes and eliminate re-occurrence.
- The Site/ Project Engineer are expected to set a personal example for the personnel within their control by working safely and encouraging others to do the same.

### **3.4 Safety Engineer/ Officer Responsibilities**

The Safety Engineer/ Officer shall be responsible for the following:

- Regular as well as impromptu inspections of the site in association with the line of supervision to ensure that only safe methods of works are in operation and that all safety requirements including statutory regulations are being observed. The safety Engineer/ Officer will take action to rectify all violations.
- Preparing accident/ injury reports and investigates to determine the cause of accidents and dangerous occurrences, and recommends measures to prevent recurrence of incidents.

- Providing the Project Manager and the Project Engineer with consultations and discussions concerning safe working practices, injuries or dangerous occurrence.
- Keeping an up to date record of all information connected with accident prevention, including accident/ injury reports and an analysis of accidents trends.
- Setting up and enforcing implementation of the HSE Project Manual.
- Arranging site Safety Tool-Box-talk before starting of every critical activity and whenever required by site Management.
- Supervising Critical works like hoisting of equipments, pressure testing, etc.
- Communicating directly with on-site supervisors, engineers, and Sub-contractors regarding Safety issues.
- Prepares monthly safety reports.
- Conduct weekly/ monthly safety meeting to discuss on safety performance, identify hazards in activities, and plan to mitigate.
- Weekly site safety toolbox talk to remind the workers on unsafe acts, conditions, and activities to follow the safety regulations
- Conduct fortnightly safety site joint tour with the Project Manager and the consultant to review the safety implementations at site.

### **3.5 Foreman and Other Supervisory Staff**

All supervisory staff shall be aware of and perform the following:

- That they are themselves fully aware of the Company HSE Project Manual.
- Those personnel for whom they are responsible have been adequately trained in the use of all machinery and equipment and are fully aware of the potential hazards associated with such equipment.
- That adequate supervision is provided at all times for the personnel and the works within their control.
- That potential safety hazards are reported and rectified immediately.
- That good housekeeping is maintained at all times within their areas of control and that all machinery and equipment is properly maintained and inspected, and that efficient safety devices are fitted, working properly and used effectively.
- Instruct other personnel in the relevant safe working practices and procedure for their work.

### **3.6 Store keeper**

- Ensure that the stores layout provided meet the needs of the Project.
- Monitoring receipt of materials especially potentially dangerous ones. Ensure correct storage is provided.

- Ensure all personal safety equipment stocked / issued is within the safe working life period
- To ensure that power tools and equipment are in a safe condition when issued to site.
- Any suspect items to be inspected and required prior to replacing in stock.

### **3.7 Administration officer**

- Ensure all labor and operatives reporting for work are equipped with head, eye protection and safety footwear. Maintain attendance records of all METRIC CONTRACTING CO(Offshore) site operatives.

### **3.8 Security Guard/ Watchman**

- Restrict the unauthorized entry into company premises like workshop, offices.
- Ensuring outsiders not entering into workshop or offices.
- Keeping the visitors book and security or gate passes.
- Issue and verification of entry passes to the visitors

**Section 4**

**SAFETY MANAGEMENT**



#### **4. SAFETY MANAGEMENT**

##### **4.1 Safety Implementation Procedure- general**

- It is the general responsibilities of the Safety engineer / Officer to ensure that all staff as laid down in the HSE Project Manual follows safety requirements of site.
- If the Safety Engineer/ Officer observes that work is carried out under unsafe conditions with a high risk that an accident may imminently occur he will be authorized to stop works immediately until remedial measures are undertaken to his satisfaction. Such incidents shall be reported on a standard safety nonconformance report form stating type of non-compliance, whether occurred for the first time or repeatedly etc.
- The Safety Engineer/ Officer will conduct safety training for the contractor's Site Engineers/ foremen and for subcontractor's supervisory staff. Supervisors of subcontractors will be responsible for training their own staff.
- A first aid station shall be available on site with basic first aid equipment/ medical supplies. If further equipment of supplies is required, the Safety engineer through the Project Engineer shall request this.
- All safety measures shall be seen in the light of the Contractor striving to perform under safe conditions and to meet up to their excellent reputation in this country.

##### **4.2 Responsibilities – General**

- The Construction Team shall be responsible for adopting, applying and enforcing the implementation of all the safety measures on site in accordance with the HSE Project Manual
- The Safety Engineer/ Officer will carry out surveillance inspections to ensure that HSE Project Manual is promptly implemented and there for e all works are being carried out in a safe manner.
- If the Safety Engineer/ Officer, and during his surveillance checks regulations as per the HSE Project Manual, he shall issue a safety nonconformance report directly to that party or subcontractor with a copy to the concerned Project Engineer.
- If the Safety Engineer/Officer, during his surveillance inspections notices any safety discrepancies, he shall inform the responsible Site Engineer who shall take immediate action to correct such discrepancies.

##### **4.3 Authority**

- In case the Safety Engineer/ Officer notices any deficiency or non-compliance to a requirement of HSE Project Manual, he will issue a "Non-Conformance Report" stating the type of non-compliance, the corrective and preventive measures to be taken and a follow-up date/time.
- The Safety Engineer/ Officer are authorized to communicate directly with all Managers, personnel and Subcontractor regarding on-site safety issues.
- Project and Site Engineers/ Safety Engineer/ Officer shall keep track of safety records showing all verbal and written warnings given to people on site.

#### **4.4 Co-ordination**

- The Safety Engineers/ Officer will hold, on a weekly basis, coordination meeting with Project and Site Engineers and Subcontractors Engineers to discuss safety issues and to enhance the safe working condition.
- Co-ordination with the Insurance Company  
In case of any material or equipment damage on site covered under the insurance policy, the insurance company shall be immediately notified by the commercial department prior to any cleaning, removing or modification that may take place on site allowing the time for further investigations.

In case of Personal injuries covered under the insurance policy, proper medical attention shall be proceeded with, and the insurance company shall be notified immediately so as to consider the claim under workers compensation in addition to medical coverage.

#### **4.5 Reports**

- In the event that an incident (injury, accident) occurs, the Project Engineer and / or Safety Engineer will fill an injury safety report form describing the accident, the causes and the corrective measures taken by the site personnel to control such hazards. This report will be forwarded to the Project Manager as soon as possible on the same day (if possible) of the incident occurrence.
- The Safety Engineer shall prepare weekly, Monthly injury reports to the Project manager along with safety statistics.
- The safety Engineer shall investigate and prepare a report to the Construction Manager after the occurrence of each reportable accident at the construction areas on site.
- The safety Engineer / Officer, and if requested, shall prepare monthly safety non-conformance report registers to the project Manager.

- The Safety Engineer/ Officer shall coordinate with the Construction Team to know daily activities on site.
- The Safety Engineer/ Officer will prepare the weekly, Monthly Site Safety Statistics and Monthly Safety report together, the site safety Statistics will be displayed at site.

#### **4.6 Safety Meetings**

Frequency: Once in a month; will be chaired by the Project Manager.

Objective:

- To find solutions for any safety issues remaining unresolved during the previous month.
- To identify the problem areas and to work out suggestions for the same,
- To investigate accidents occurred during the previous month, if any, to learn lessons and to plan ways to prevent recurrence of the same in the future.
- To decide any special safety requirements to be taken during the next month arising out of the new activities to be taken up during that period.
- To review the implementation of the HSE plan

Participants: All Engineers and foremen shall be invited to attend as per the requirement.

#### **4.7 Tool box talk**

This will be conducted every week by Safety Engineer to workmen. Subjects, which will be covered in the toolbox talks, are given below. In addition to this, depending upon the site activities currently in progress, job specific hazards and the precautions to be taken will be highlighted whenever required:

- Unsafe conditions and unsafe acts noticed at site during the previous week
- Lessons learnt from the accidents / near misses, if any
- Safety precautions to be taken in the next week's work
- Safety systems and procedures to be followed at site
- Role of workmen in preventing accidents

Activity related safety precautions such as

- Fire precautions to be taken at site
- Safe usage of hand tools
- Procedures of manual handling of materials.
- Safety rules related to housekeeping and site tidiness
- Material storage requirements
-

- Health hazards
- Emergency evacuation procedures
- Personal protective appliances

#### **4.8 Risk Assessment**

- Based on the activities the Hazards will be identified to assess the risk Associated.
- Accordingly Risk Assessment analysis will be made along with a team involving P. Mgr. of the site, P. Eng., S. Eng., Foremen and the Site Safety Officer
  
- This shall be covered in the Method statement and the Control measures will be accordingly been addressed.
- Sample of the risk assessment Hazard Check list for structural steel work is attached
- The Control Measures will be discussed and analyzed in the form of Task Sheet.
- The Sample of Task sheet for Structural erection, welding and cutting is attached.
- Before starting of the critical activities TBT- Safety meeting and the control measure.

#### **4.9 Training**

- Identified employees shall undergo courses like First aid and Fire Fighting which will be conducted by External agencies.
- All employees involved in the project will go through a safety induction program before their deployment at site.
- This will be given by the Safety Engineer and a record will be maintained to this effect.
- Subjects to be covered during the induction sessions will be:
  - Commitment of Metric to prevent accidents
  - Supervisor's responsibilities
  - Safety rules to be followed at site
  - Safety appliances to be used with reference to various activities
  - Fire prevention, No smoking regulations.
  - House keeping
  - Emergency plan
  - What to do in case of accident?



The daily work instruction will include the hazards likely to be encountered and the precautions to be taken.

Toolbox talk will be organized once in a week in the morning before starting the work. Unsafe conditions and unsafe acts noticed at site, lessons learnt from the accidents, safety precautions to be taken in the next week's works etc. will be the focus of discussion during the tool box talks.

**Section 5**  
**SITE CLEANLINESS AND SECURITY**

## **5. SITE CLEANLINESS AND SECURITY**

### **5.1 General**

The basis of any good HSE Project Manual is the early development and strict maintenance of positive awareness on the part of each person of the contract. This starts with the initial perception of all newly arriving personnel as to management's attitude to safety. It is intended that attention will be given to the following:

- Site Cleanliness
- Site Security
- Fire Prevention and Requirements.

### **5.2 Site Cleanliness**

The cleanliness of a site is a direct indication to all of the pride, which a professional construction organization takes in its work. The following procedure shall apply:

- All personnel shall undertake their assigned tasks in such a manner so as to minimize spoil and trash creation.
- All workstations shall be maintained in as state as possible, and any spoil/trash shall be collected at the end of each day.
- A central collection area for spoil, trash and garbage shall be designated.
- The elating of meats and snacks at workstations shall be discouraged and all general-catering arrangements will be centralized wherever possible.
- The project manager shall introduce wherever steps are necessary to ensure that the above procedures are implemented.

### **5.3 Waste Minimization/ Disposal**

Waste minimization, a good industry practice, involves procedure for:

- Process control, Recycling, Treatment, Re-use
- Proper Maintenance and good housekeeping practice are the key aspects in keeping waste minimization program to success.
- Waste minimization is a sound environment practice.
- A dust control program will be implemented to control the dust dispersal from the vehicle movement and natural wind forces.
- Clean-up debris and rubbish removal will be handling by chute and / or by buggies or containers transported by hoist. Containers are to be covered by tarpaulin, or have a closable to prevent dispersal from the building to the site/ or surrounding areas.

#### 5.4 Site Security

The following procedures shall apply:

- Erection of a security fence as required by the contract documents.
- All workstation shall be properly secured and protected as appropriate in each case. The use of barriers, lights, signs, flags, ribbons, diversions, etc. shall be in accordance with the general legal safety requirements on such matters.
- Adequate lighting shall be provided for implementing the works and for safety and security as required.
- The main gate shall ensure the orderly control of visitors to the site.
- Visitor will not be allowed on the premises without security clearance.
- Visitor will be issued visitor helmets whenever entering the site.
- Visitor shall be escorted by the security guard and delivered to their visited destination.
- All entrances and exits to the premises must remain clear at all times without any exceptions.

#### 5.5 Employees Rules and Regulations

As part of BCC (Offshore)'s working rules and regulations, the following shall be applied and enforced by the construction team at the project.

- **Identification:** BCC (Offshore) and all subcontractors' personnel entering the project premises will wear identification badges at all times if provided by the Employer, visibly shown above the waist. Badges will be used in gate clearance and identification.
- **Checking In and out:** All SSC and subcontractors employees will be requested to check in and out at starting and quitting time. Infractions of this rule will be treated with proper disciplinary measures. Employees authorized by their supervisor to leave the project during regular working hours must check out with their timekeeper.

#### 5.6 Use of First Aid Facilities

- The first aid facility will be set-up at site as per Abu Dhabi Municipality Regulation. The site safety personnel and designated "First Aid" personnel will be trained in administering of routine and emergency first aid treatment.
- The first aid box and kits will be checked frequently by site safety personnel to ensure they are fully stocked and all items are in a usable condition.
- First aid facility will be available at the job site including trained first Aider. Direct contacts will be established with local doctors, Abu Dhabi Hospitals and emergency crews for accidents of serious nature. A list of all addresses and emergency telephone numbers will be displayed within the First Aid Facility



- All injuries, regardless of severity, will be reported to the employee's supervisor and the assigned safety engineer /Officer immediately upon occurrence. All injuries and accidents will be logged in Accident/ injury report form and will be handed for project manager for further action, as per BCC(Offshore) established procedures.
- The first Aid register will contain the following records: Name of the injured person, date and time of injury, Type of injury/ illness, First Aid given, and Preventive action if required refer to Hospital etc.

## **5.7 Fire Protection and Prevention**

### **Fire Protection**

- Adequate fire notices, warnings and barriers shall be installed on site to cover the full range of operations, materials, and facilities. Particular signage shall be agreed with the client's site representative.
- Fire extinguisher as required by Civil Defense shall be provided and maintained at all times at the work site, offices and yards
- The fire extinguisher equipment shall be conveniently located in the vicinity of potential fire hazards and shall be inspected by a competent person on a regular basis.
- The location of fire extinguishing equipment shall be clearly indicated on site and employees shall be made familiar with the locations.
- Water based fire extinguishing equipment shall not be positioned close to, or used on electrical equipment.
- The quantity and type of extinguishers installed will be appropriate to the work area. They will be installed so that they will not be exposed to the danger of damage by heat, corrosion, objects or materials and will not be quickly accessible.

### **Fire Prevention Requirement**

- Suitable fire extinguishing shall be available in the work areas and be maintained in a state of readiness for instant use.
- Areas where cutting and welding are performed shall be kept clean and all accumulated of trash, rags, etc. shall be removed. Consideration must always be given to the distance that sparks or slag can travel.
- Whenever possible, objects to be welded, cut or heated should be removed to a designated safe area. If this cannot be accomplished and if all the fire hazards cannot be removed, then positive steps must be taken to contain and confine the heat, sparks and slag.

- All machinery, equipment, materials or other items subject to damage or possible ignition by sparks or slays from cutting and welding operations must be covered with suitable non-combustible material. Special attention should be directed toward gas hoses and electrical cables.
- Care will be taken not to direct the slag stream from cutting operations through nearby openings. Particular care will be taken that large pieces of hot slag are not allowed to remain on surfaces long enough to cause combustion or damage.
- Direct penetration of sparks or heat may introduce a fire hazard to an adjacent area. If this is a possibility, then the same precautions shall be taken on the opposite side as are taken on the side which the welding or cutting is being performed.
- No welding, cutting or heating will be performed where the application of flammable compounds creates a hazard.
- Drums, pails and other containers that contain or have contained flammable substances will be kept closed except when the contents are being removed or transferred. Empty containers will be removed to a safe area away from hot work operations or open flames.
- Hoses, fittings, torches, regulators and welding cables, will be inspected daily by the user of the equipment. Defective equipment will be removed from site and taken out of service.

#### **Fire Prevention Housekeeping**

- Cigarette smoking is one of the most common causes of fire. Therefore a "NO SMOKING" policy (Except in the designated smoking areas, open air offices) will be strictly enforced within the project building, and in marked areas. Firm disciplinary measures will be taken against anyone found in breach of this rule.
- All combustible waste must be removed as soon as possible from office and work site.
- All combustible material should be removed from area of welding. If this is not possible, then frequent checks must be made and especially at the end of shift to ensure that hot slag, etc. has not fallen on the material. It must be remembered that scaffold planks can smolder for hours before catching fire.
- Inflammable canvas or other materials must not be used as sun shades for welding locations.
- All flammable materials must be kept in securely capped containers on which the contents are clearly marked. Gasoline, acetone, spirits or any flammable liquid with a flash point below 90 degree F. must be kept in a locked store. The store must be well ventilated and at least 10m from other buildings.

- Generators may only be re-fuelled after stopping and cold.
- Hand pumps for fuel must use a grounded hose.
- Flame arrestors will be fitted to all gas cylinder hoses.

**Section 6**

**GENERAL INFORMATION AND REQUIREMENTS**

## **6. GENERAL INFORMATION AND REQUIREMENTS**

### **6.1 General**

- The work site shall be fenced off to prevent access of the public onto the project.
- All underground works shall comply and be executed in accordance with the underground service policies.
- Solid goalposts shall be erected whenever overhead power cables exist above or adjacent to accesses.
- The work site is to be kept in tidy conditions at all times. No stockpiling of material, products and equipment or tool is allowed in front of the work accesses.
- Under no circumstances, people under the age of 18 years (legal age) will be allowed to access and or work on the construction site.
- Safety posters will be displayed whenever they are required. These posters will be changed on regular basis.

### **6.2 Basic Safety and Environmental Rules**

This Safety Rules applies to all employees of **Metric Technologies LLC** regardless of position within the company. The Safety Rules contained herein apply to all subcontractors and anyone who is on a company project site.

- Keep your mind on your work at all times. No horseplay on the job. Injury or termination or both can be the result.
- Personal safety equipment must be worn as prescribed for each job, such as: safety glasses for eye protection, hard hats potential for falling materials or tools, gloves when handling materials and safety shoes are necessary for protection against foot injuries.
- Precautions are necessary to prevent sunburn and to protect against burns from hot materials.
- If any part of your body should come in contact with an acid or caustic substance, rush to the nearest water available and flush the affected part. Secure medical aid immediately.
- Watch where you are walking. Don't run.
- The use of illegal drugs or alcohol or being under the influence of the same on the project shall be cause for termination. Inform your supervisor if taking strong prescription drugs that warn against driving or using machinery.
- Do not distract the attention of fellow workers. Do no engage in any act which would endanger another employee.
- A clean job is the start of a safe job. So keep your working area free from rubbish and debris.
- Do not use a compressor to blow dust or dirt from your clothes, hair, or hands.

- Never move an injured person unless it is absolutely necessary. Further injury may result. Keep the injured as comfortable as possible and utilize job site first-aid equipment until an ambulance arrives.
- Know where firefighting equipment is located and be trained on how to use it.
- Lift correctly - with legs, not the back. If the load is too heavy GET HELP. Stay fit. Control your weight. Do stretching exercises. Approximately twenty percent of all construction related injuries result from lifting materials
- Do not use power tools and equipment until you have been properly instructed in the safe work methods and become authorized to use them.
- Be sure that all guards are in place. Do not remove, displace, damage, or destroy any safety device or safeguard furnished or provided for use on the job, nor interfere with the use thereof.
- Do not enter an area which has been barricade.
- Before servicing, repairing, or adjusting any powered tool or piece of equipment, disconnect it, lock out the source of power, and tag it out.
- Barricade danger areas. Guard rails or perimeter cables may be required.
- Trenches over five feet deep must be shored or sloped as required. Keep out of trenches or cuts that have not been properly shored or sloped. Excavated or other material shall not be stored nearer than two feet from the edge of the excavation. Excavations less than 5 ft may also require cave in protection in some instances.
- Use the "four and one" rule when using a ladder. One foot of base for every four feet of height.
- Portable ladders in use shall be equipped with safety feet unless ladder is tied, blocked or otherwise secured. Step ladders shall not be used as a straight ladder.
- Ladders must extend three feet above landing on roof for proper use.
- Defective ladders must be properly tagged and removed from service.
- Keep ladder bases free of debris, hoses, wires, materials, etc.
- The use of harnesses with safety lines when working from unprotected high places is mandatory. Always keep your line as tight as possible.
- Never throw anything "overboard." Someone passing below may be seriously injured.
- Know what emergency procedures have been established for your job site. (Location of emergency phone, first aid kit, stretcher location, fire extinguisher locations, evacuation plan)

### **6.3 Safety Discipline**

All of our safety rules must be obeyed. Failure to do so will result in strict disciplinary action taken.

- Three-Step System

First violation:

Written warning; copies to employee and employee's file.

Second violation: Written warning; suspension for 1/2 or full day without pay.

Third violation: Written report for file and immediate report to Administration or termination.

Four-Step System

First violation: Oral warning; notation for personnel file.

Second violation: Written warning; copy for file or Personnel Office.

Third violation: Written warning; one day suspension without pay.

Fourth violation: Written warning and one-week suspension, or termination if warranted.

- A record will be maintained of all discipline.

#### **6.4 Hygiene**

- All personnel shall use the designated washrooms and toilets without exception. Site nuisance will be considered a serious breach of discipline and offending persons will be dealt with accordingly.
- All personnel must report all personal illnesses of a contagious nature (i.e. influenza, etc.) and shall obey the Project Manager's request to withdraw from work for recuperation as required.
- Should on-site catering facilities be provided, these shall be staffed and maintained as per statutory requirements in such matters.

**Section 7**

**SPECIFIC REQUIREMENTS**



## **7. SPECIFIC REQUIREMENTS**

### **7.1 Electrical Wiring and Apparatus**

- Live parts of wiring or equipment shall be guarded to protect all persons or objects from harm.
- Gates or doors to enclosures for electrical equipment shall swing outward or provide clearance from installed equipment.
- Electrical wire passing through work areas shall be covered or elevated to protect it from damage by foot traffic, vehicles, sharp corners, projections or pinching
- All circuits shall be guarded, buried, or isolated by elevation to prevent accidental contact by workers or equipment.

### **7.2 Hand and Power Tools**

- All hand tools shall be in good condition and used only for the purpose for which they are designed.
- Tools having defects that will impair their strength or render them unsafe shall be removed from service.
- When work is being performed overhead, tools not in use shall be secured or placed in holders.
- Throwing tools or materials from one location to another, from one person to another, or dropping them to lower levels shall not be permitted.
- Power tools shall be inspected, tested and determined to be in safe Operational conditions prior to use.

### **7.3 Rope, Slings, Chains and Hooks**

- The use of ropes, slings, and chains shall be in accordance with the safe recommendations of their manufacturer and the equipment manufacture when used in conjunction therewith. Rigging equipment shall not be loaded in excess of its recommended safe working load.
- Slings, their fitting and fastenings, shall be inspected prior to use on each shift and as necessary during its use by a competent craft person for evidence of overloading, excessive wear, or damage.
- Defective slings shall be removed from service.
- A competent person shall inspect wire rope at the time of installation and at scheduled intervals thereafter. Wire rope shall not be used if, in any length of eight diameters, the total number of visible broken wires exceeds 10 percent of the total number of wires or if the rope shows other signs of excessive wear, corrosion of defect.
- Connections, fittings, fastenings, parts, etc., used in connection with ropes shall be of good quality and of proper size and strength, and shall be installed in accordance with recommendations of the manufacture.
- Chains shall be normalized or annealed periodically as recommended by the manufacture.

- Chains shall be removed from service when showing of cracks, nicks, lifting of any link weld, more than 10 percent elongation of any link or section, or when wear of 20 percent of the diameter of any link has occurred.
- All the lifting Equipment will be clearly marked with SWL and will be checked by 3<sup>rd</sup> party inspector's at 6<sup>th</sup> Month interval.

#### **7.4 Machinery and Mechanized Equipment**

- Preventative maintenance procedures recommended by the manufacture shall be followed.
- Any machinery or equipment found by the contractor or designated authority to be unsafe shall be headlined and its use prohibited until conditions have been corrected.
- Where operator of a mobile machine cannot see the area all around his machine, an attendant will be in a position to direct and assist the operator.
- Inspections or determinations of road conditions and structures shall be made in advance to assure that clearances and load capacities are safe for the passage or placing of any machinery or equipment.
- Only designated personnel shall operate machinery and mechanized equipment. Equipment deficiencies observed at any time that affect their safe operation shall be corrected before continuing operation.
- All machinery or equipment shall be shut down and positive means taken to prevent its operation while repairs or manual lubrications are being done. Exemption: equipment designed to be serviced while running.

#### **7.5 Ramps, Runways, Platforms and Scaffolds**

- All temporary trestles, ramps, scaffolds and similar load-bearing structures shall be adequately designed, constructed, and maintained. If these structures, including such accessories as braces, brackets, trusses, screw legs, and ladders, are damaged or weakened from any cause they shall be repaired or replaced immediately.
- Scaffolds, platforms, or temporary floors shall be provided for all work except that which can be done safely from ground or similar footing. Erection, moving, dismantling, or altering shall be under the supervision of a competent person.
- Scaffolds, platforms, runways, floors, etc. shall be kept free of grease, mud, or any other material or equipment, which render them unsafe or hazardous to persons using them.
- The width of all scaffolds, ramps, runways, and platforms shall be determined by the purpose for which built. They shall be sufficient width to eliminate congestion of passageway for supplying materials and movement of personnel.
- **Guard Rail or Safety Rail**- Should be at height of 115cm with mid rail. The handrail shall be smooth and **free** splinters and protruding nails. Other material or construction (such as steel pipes) may be used provided the assembly assures equivalent safety.
- Scaffold tubing must be free from cracks and surface flaws excessive rust and other defects. The ends must be cut "square" and cleanly. A tube shall not

deviate much from a straight line of its length. Where necessary, boards shall be secured in position to prevent displacement by high wind. Adequate space for men to pass safely will be provided and maintained wherever materials are placed on decking.

- Decking shall be kept free of unnecessary obstruction. Materials and projecting nails. Decking which has become slippery with oil, mud, etc. will be sanded and cleaned as soon as possible.

### **7.6 Ladders**

- Ladders will be the correct length for the job to be done.
- Each ladder should be examined before use.
- Damaged ladders will be discarded and not used.
- Ladders will be placed on a firm and level surface.
- Ladders, if over 3m in length, will be secured by tying or stacking.
- Ladders will not be supported by their rungs.
- Ladders should be set, where possible, at an angle of 70 degrees.
- Landing places must be provided at every 10m in height.
- Stepladders must be used fully extended.
- Ladders will not be painted except for color-coding purpose.

### **7.7 Backfilling**

- When working on backfilling, proper safety equipment like hand gloves,
- Safety glasses, dust mask & safety shoes shall be worn at all times.
- Equipment operators should be trained and qualified.
- Inspect equipment before use.
- When left unattended, the equipment should be turned off and the Bucket lowered onto the ground.
- Equipment buckets should never be used to transport people or as work platforms.
- All access ways/passageways shall be kept free of materials and Obstructions at all times.
- Waste materials and rubbish shall be placed in proper waste containers.

### **7.8 working in Confined Spaces**

- Confined spaces, including tanks, vessels, containers, pits, bins, shafts, trenches, ventilation ducts, or other enclosures where known or potential hazards may exist, shall not be entered without prior inspection by and authorization from site safety Engineer/ Officer.
- Prior to entering the confined space, there shall be completely isolated to prevent the entry of any hazardous substances or material that could cause an oxygen deficient atmosphere.
- A qualified attendant(s), trained and knowledgeable in job-related emergency procedures, shall be present at all times while persons are working within a confined space. The attendant shall be capable of affecting a rescue, have

- necessary rescue equipment immediately available, and be equipped with at least the same protective equipment as the person making the entry.
- Adequate ventilation shall be provided to ensure the atmosphere is maintained within acceptable limits.

### **7.9 Noise Pollution Control**

Construction or demolition activities even if only for relatively short periods generate high levels of noise that can cause disturbances to adjacent buildings.

- Noise level reduction will be considered during the preparation of site layout, planning and execution phases. Site Engineer will be involved in the process.
- As construction noise is predominantly impulsive in nature the Abu Dhabi Municipality guidelines will be followed to reduce the level.
- The site access roads will be positioned such that vehicular movements cause minimum disturbances to next buildings.
- The heavy vehicle movements to and from the site will be during the scheduled normal working hours unless approval has been granted by Abu Municipality & traffic Department.
- Where possible minimize the movement of heavy earth moving vehicles/ heavy equipment adjacent to the next building off normal hours.
- Prior approval will be obtained to work beyond the schedule working hours from Abu Dhabi Municipality.
- In case the approval obtained to work extended, the noise of such activity will impact in an adjacent residential area, then the affected premises should be notified of the intended work, its duration and times of occurrence.

### **7.10 Use of Tower Cranes**

- Foundation shall be made as per approved design
- The tower crane will be inspected and tested by the Abu Dhabi Municipality approved agency after the crane is erected.
- The test certificates shall be submitted to consultant.
- Re inspection and tests will be conducted before the due date of expire of the certificates.
- Electrical connection will be checked after installation.
- Only authorized & experienced operator will be allowed to operate tower crane.
- Only identified trained riggers to give signals to crane operator.
- Before critical erection or shifting of material toolbox talk to be conducted.
- The safety officer will give regular toolbox talk and specific toolbox will be give during identified critical erection.
- Walky-talky shall be used for communication between tower crane and rigger.
- Lights will be installed on boom & section for clear visibility of crane operator.
- Limit switches and other safety devices shall be installed.
- The supervision in charge will frequently check all lifting gears.

## **7.11 Working at Height**

### **7.11.1 Using ladder**

A ladder is used for gaining access to areas above or below the ground or other levels not provided with permanent access.

- Correct ladder shall be used for the job.
- Only industrial type ladders shall be used.
- Ladders shall be checked for defects and damage before use.
- Ladders should be adequately supported at the base.
- Ladder should be set at a slope of 4 in 1 – ladders must be angled one out and four up.
- Ladders should be firmly secured or tied off or held firmly by another person.
- Ladders should be extended at least one meter above the access level.
- The ties should be attached to the stiles of the ladder and not the rungs.
- A ladder should not be walked by the person standing on the ladder.
- Only one person on a ladder at a time with three body limbs on the ladder at all times.
- Do not climb higher than the third rung from the top of the ladder.
- Only work on a job within easy arm's reach from the ladder.
- Ladders (other than trestle ladders) should not be used to support planks as a work platform.
- Metal ladders or wire reinforced ladders must not be used where electrical hazards exist.
- Climb and descend facing the ladder maintaining three points of contact with the hands gripping the stiles or each rung.
- Do not carry anything in your hands when climbing or descending.
- Do not place ladders in vehicle or pedestrian traffic areas.
- Long and heavy ladders (greater than 20kg) should be handled by at least two people.
- Stepladders should only be used in the fully open position.
- Wear slip resistant footwear when using ladders.
- Clean off footwear and ladder rungs before using the ladder.

### **7.11.2 Scaffolds**

A temporary elevated or suspended work unit and its supporting structure used for supporting workers, materials or both.

#### **Types of Scaffolds Used at Site:**

##### **Fabricated tubular frame scaffolds (Toyo type):**

Scaffolding consisting of a platform supported on fabricated end frames with integral posts, horizontal bearers and intermediate members.

##### **Modular System Scaffolds (Cup-lock type/ Giffin type):**

A two-point or multi-point adjustable suspension scaffold constructed using a series of inter-connected braced scaffold members or supporting structure erected to form a continuous scaffold.

**Mobile Scaffolds:**

Portable castor or wheel mounted supported scaffold.

**Scaffolding Erection Procedure**

**7.11.2.1 Modular System Scaffolds (Cup-lock type/ Giffin type)**

- Wooden planks will be used to provide a base support along with screw jack levelers properly set on the planks.
- Footings must be sound, rigid and capable of supporting the weight of the maximum intended load.
- The scaffolds constructed and erected shall support four times the maximum intended loads.
- Standard and ledger will be locked with cup-lock system.
- Freestanding scaffolds will be used up to a height and base ratio of 3:1.
- Vertical ties at the 3:1 elevation point and every 26 feet thereafter will be tied.
- Longitudinal ties at each end at 30 foot intervals.
- For uplifts panel will be secured by spigot pins or other equivalent means.
- Working platform will be fully planked.
- Working platform should not be less than 18".
- All planking or platforms shall be overlapped (minimum 12 inches) or secured from movement.
- Scaffold planks shall extend over their end supports not less than 6 inches and not more than 18 inches.
- Platform shall not deflect more than 1/60 of the span when loaded.
- Toe board will be placed on working platforms and will be a minimum 4" height.
- The maximum distance from scaffolding to working surface shall not exceed 18 inches.
- Access ladders will be installed for safe access & egress to platforms.
- The ladder legs shall be secured to prevent them from slipping or being pushed off the platform.
- Guard rail will be installed for the platforms with top and mid rails.
- Scaffolding exceeding height of 2 meter. Guard rail should be installed.
- Each end of the platform greater than 10 feet in length shall not extend over its support more than 12 inches.
- Each platform greater than 10 feet in length shall not extend over its support more than 18 inches unless it is designed and installed so that the cantilever portion of the platform is able to support workmen without tipping.
- Distance of 10 feet will be maintained between power lines and scaffolds (if any).
- Employees shall not work on scaffolds during storms or high winds.

- Tools, materials, and debris shall not be allowed to accumulate in quantities to cause hazard.
- Debris shall not be allowed to accumulate on platforms.

**7.11.2.2 Mobile/ Rolling Scaffolds:**

- Unstable (or crushable) objects such as barrels, loose brick or concrete block should not be used to support the scaffold or planks.
- Rolling scaffolds shall be used on level, firm surfaces. The brakes will be checked for proper working condition and will be used whenever scaffold is in place.
- Screw jack and castor shall be in good condition, rigid and capable of supporting the weight of the maximum intended load.
- Free standing scaffolds will be used up to a height and base ratio of 3:1.
- Stabilizers may be used with castors or adjustable screws with base plates while scaffolding used on ramp areas.
- Cross bracing must be used with the stabilizer legs.
- Scaffolding exceeding height of 2 meter, guard rail should be installed.
- In case any overhead object obstructing guard rails, full body harness can be used in place of guard rails to prevent any fall.
- The maximum distance from scaffolding to working surface shall not exceed 18 inches.
- Makeshift devices, such as boxes and barrels, shall not be used on top of scaffold platforms to increase the working level height of workmen.
- Stabilizer legs rotate 90 degrees to facilitate use for moving through narrow areas.
- Distance of 10 feet will be maintained between power lines and scaffolds (if any).
- Debris shall not be allowed to accumulate on platforms.

**7.11.2.3 Fall Protection System:**

Fall protection system includes guardrail system and personnel fall arrest systems.

**Section 8**

**MATERIAL STORAGE AND HANDLING**



## **8. MATERIAL STORAGE AND HANDLING**

### **8.1 General**

The following safety procedures shall apply where there is operation involving storage of materials:

- Designate and secure a section of the lay-down-area for storage of materials.
- Ensure that an experienced storekeeper only is in charge of the storage yard.
- Layout and provide such temporary foundations, rack and covers as required for the different materials and the prefabricated elements to be stored.
- Allow correct access for personnel and transport to all parts of the storage yard. This applies both vertically and horizontally.
- Designate an area for spoil, trash and garbage and ensure proper vermin control is implemented.
- Hazardous and /or short-life substances are to be stored in accordance with the manufacture's own directions.

### **8.2 Material Handling**

The following safety procedures shall apply where there are operations involving handling of materials;

- Appoint one on-the spot person to control operations in the storage yard. All other personnel will obey his instructions.
- Ensure that no obstructions prevent the placing or removal of required materials or pre-fabricated elements.
- Provide adequate lighting to cover those storage areas as required for security and ease of handling.
- Ensure lifting devices and accessories are used, maintained and stored in a proper fashion.
- Hazardous substances are to be handled in accordance with the manufacturer's directions.

### **8.3 Hazardous Materials**

Special precautions are to be taken in connection with the storage and handling of flammable and combustible liquids and gases:

- Flammable and combustible liquids are to be stored separately from other combustible materials and gas cylinders. Gas cylinders should always be kept in an upright position. Special precautions should be taken while handling and/or transporting such material.
- All causes of ignition shall be prohibited in areas where flammable and combustible liquids and gases are stored and handled. Suitable no smoking signs shall be posted in such areas.
- Enough fire extinguishers of adequate capacities shall be made available in stores, offices, caravans, etc. and where an LPG/ HFL material is present or where any welding or cutting is being carried out.
- Adequate ventilation shall be provided.

- Containers shall be kept tightly capped.
- Access shall only be available to authorized persons.
- Gas cylinders are to be protected from extremes of temperature and damage.
- All gas cylinders shall be kept outside where applicable and all gas crimped fittings shall be used for properly securing the connections with the gas pipes or tubes.
- All gas cylinders should be fitted with adequate safety guards.
- Color gas warnings notices should be displayed on al caravans, huts, etc., which are equipped with gas appliances especially when these appliances are in use.
- All oxygen and acetylene regulators shall be fitted with flashback arrestors.
- MSDS (material Safety data sheets) should be always made readily available at site store.

**Section 9**  
**EMERGENCY PLAN**

## **Emergency plan**

### **A) In case of accidents:**

Always follow the procedures set out hereunder:

- "First Aid" for injured person
- Send to clinic or hospital for further treatment if needed
- In case of serious accidents, call ambulance and give the following information:
  - Number of injured persons
  - Direction to location

### **B) In case of fire**

**Step 1:** Inform the project/ site engineer or the project foreman during daytime or the person in charge during nighttime that all have access to the firefighting extinguishers installed on site.

**Step 2:** If none of the above mentioned in step 1 is available or if the fire is out of control, then call the fire department and give the following information:

- Type of fire (e.g. : Electrical fire, etc.)
- Location of fire (e.g.: caravan or section of site)
- Describe approach route for fire engines if appropriate

### **C) Important Contacts:**

In case of accidents or unusual situations (even out of regular working hours), one of the following persons has to be contacted in the following order:

- Project Manager
  - Mr. Ahmad Almawed 056 – 1808259
  - Mr. Edward Chua 050 – 7071248
  - Mr. Abdul Jabbar Mohamed 050 – 9015110
  - Akkram
  
- Project Engineer - Mr. Nithin Koduvalli 050 – 5237587

All of the above persons should be contacted In case of accidents or unusual situation.

### **D) Emergency Services:**

- Police Department: 999
- Fire Department: 997
- Emergency Ambulance: 998

### **E) Hospitals:**



- LLH Hospital, Abu Dhabi 02 - 6335522
- Al Ahliya. Hospital, Abu Dhabi 02 - 6267267
- Al Noor Hospital, Abu Dhabi 02 - 6265265
- New Medical Center, Abu Dhabi 02 - 6332255

**Section 10**

**CHECKLIST FOR SITE PERSONNEL**

### **Checklist for Site Personnel**

This is not an exhaustive list of your duties. It aims to highlight some of the more important aspects of accident prevention on site. You must also familiarize yourselves fully with these requirements and satisfy yourselves that management is aware of these requirements and of the duty to take responsible care not to subject any employees to unnecessary risks. This extends to providing.

- Safe premises and place of work
- Safe system of work
- Safe equipment and plant
- Safe fellow employees and competent supervision

#### **1. General**

- Is the site properly fenced off to prevent access to public? Special thought must be given to children.
- Is project policy regarding underground services being fully complied with?
- Are monthly site safety meeting being established in accordance with project policy?
- Are you reporting all accidents in accordance with project policy?
- Are you complying with all statutory tests, examinations and inspections?
- Is the site kept in a tidy condition? Is safe access provided for all on site to reach their place of work?
- Are safety posters displayed in the site area? Do you check on these regularly?
- Is adequate lighting available for when work has to continue after dark?

#### **2. Protective Clothing and Equipment**

- Are sufficient safety helmets available for all men on site, including visitors, and have men been made aware of the need to wear them?
- Is eye protection issued to all persons involved in, or where they are sufficiently close to processes that specifically endanger the eyes?
- Are earmuffs available?
- Are the correct boots held in store?
- Are dust masks or respirations available? (Applicable only where dust is liable to be a nuisance or injurious to health).
- Are protective gloves available?

#### **3. Transport**

- Have you checked to ensure that all drivers and operators on site hold current driving licenses, as required by project policy?
- Have you taken steps to prevent men from riding as passengers on dumpers, scrapers, trailers and other vehicles not fitted for passengers?
- Are vehicles properly loaded to prevent danger from falling materials?

#### **4. LPG and Highly Flammable Liquids**

- Have you checked that all gas cylinders are kept outside and that gas appliances are fitted with taps?
- Are adequate guards fitted to all gas cylinders?
- Are your gas cylinders always kept upright and stored in a proper compound with a "No Smoking" sign in accordance with the regulations?
- Have fire extinguishers been provided in stores, offices, caravans, etc. where LPG/ HFL is present or where any welding or cutting is being carried out?

#### **5. Power Tools**

- If you use a cartridge-operator fixing tool on site, is the operator supplied with eye protection?
- Are cartridge tools and cartridges kept in a secure place?
- Does your circular saw comply with regulations, particularly with regard to woodworking machines?
- Is there a list posted up of those persons trained and competent to operate woodworking machines?
- Do electrically operated tools on site comply with regulations, particularly with regard to condition of cables, connections, switches, and provision of required volt supply?
- Where there is excessive noise, are earmuffs issued to those exposed and the being worn?
- Is eye protection available for men using power tools, and is this protection being worn?

#### **6. Lifting Appliances (Including Hoists) Chains, Ropes and Lifting Gear**

- Are all operators trained, competent, and over 18 years old? Are project crane and hoist drivers trained?
- Are all cranes and Hoists in good order and do you hold maintenance and certification record as required?
- Is a competent person carrying out monthly inspections? Is the automatic safe load indicator inspected monthly?
- Is weight of load ascertained before lifting?
- Is the crane sited on a hard level base?
- Is the crane fitted with automatic safe load indicator that is in efficient working order?
- Are your hoists operators carrying out their daily and weekly checks?
- Are all hoist-ways adequately enclosed to prevent persons from being struck by any moving part of the hoist or materials on it?

#### **7. Scaffolding and Access**

- If the scaffold has been designed, has it been checked?
- Is scaffolding being erected by a competent scaffold?
- Is a competent person carrying out weekly inspections?



- Is proper access provided to working platforms?
- Are all standards provided with base plates with sole plates beneath?
- Do all working platforms, gangways, and runs comply with the regulations? Are there sufficient boards and are they free from removed?
- Are ties and bracing adequate? Have any been removed?
- Where mobile scaffold towers are used, do they exceed maximum permissible height? (3-1/2 times minimum base width for work inside, 3 times minimum base width elsewhere)?
- Are holes in floors adequately covered or guarded?
- Are nails in timber hammered down or removed?
- Are there proper arrangements for gathering and disposal of scrap?
- Are sufficient ladders on site? Are they in good condition?
- Are all ladders properly tied near the top? If this is not practical, are they secured near the bottom?

## **8. Electricity**

- Have you checked that all portable and hand tools are using 220 volt or less?
- Does a competent person check electrical hand tools including cables regularly for defects at least once each month?
- Where temporary electric cables have been installed, have there been any where (crane, forklift, tipper, excavation or scaffolding), which might touch these lines? If so, has the electricity been cut off or adequate barriers provided to prevent contact with the lines?
- Has action been taken to check the location of any underground cables and to mark them to prevent possible contact frame?

## **9. Health and Welfare**

- Catering facilities- are they adequate for number on site? Are they clean and free from storage?
- Toilets and washing facilities-are they provided to scale? Are they kept clean?
- Are drinking water available and its location known?
- Are first aid facilities adequate and appropriate- are names and locations of first Aids displayed?
- Has adequate protective clothing been obtained?

## **10. Machinery and Plant**

- Are there any dangerous parts?
- Are they adequately guarded?
- Are guards secured in good repair?

## **11. Fire Precautions**

- Are there sufficient fire extinguishers of the correct type and are they regularly checked?



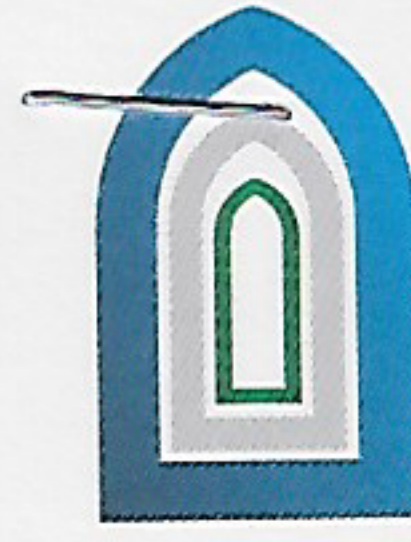
- Are there properly constructed site store areas for highly flammable liquids and is safety containers used?
- Is smoking prohibited in these areas and are there notices to this effects?
- Are all gas cylinders properly stored?



# Insurances

## Insurance House P.J.S.C

Incorporated in Abu Dhabi  
Subject to the provisions of  
Federal Law No. (6) for the year 2007  
Commercial Licence No. 1200435  
Paid up Capital: AED 118,780,500  
Tax Registration No.: 100287232100003



دار التأمين  
INSURANCE HOUSE  
ش.م.ج - P.J.S.C

دار التأمين ش.م.ج

تأسست في أبوظبي

خاضعة لأحكام القانون الاتحادي رقم (٦) لسنة ٢٠٠٧

رقم الرخصة التجارية ١٢٠٠٤٣٥

رأس المال المدفوع ١١٨,٧٨٠,٥٠٠ درهم إماراتي

رقم التسجيل الضريبي: ١٠٠٢٨٧٢٣٢١٠٠٠٠٣

### POLICY SCHEDULE

Abu Dhabi

<b>POLICY NUMBER</b>	: DP/01/5004/23/00111
<b>COVER</b>	: General Third Party Liability Insurance - Annual
<b>INSURED</b>	: M/s. Metric Technologies LLC
<b>ADDRESS</b>	: P. O. Box No. 3155, Abu Dhabi, United Arab Emirates
<b>BUSINESS</b>	: System Integration, Home Automation, Security & Telecommunication Solutions (Details as below)
<b>INTERESTS</b>	: Legal Liability of the Insured towards third party bodily injuries or property damages arising out of Insured's business activities mentioned below at the following Location and within U.A.E. (excluding offshore):  Location: Silverwave Tower (same bldg. with Life Pharmacy), 6th Floor, Office 604, Al Zahiya Street, Abu Dhabi, UAE P.O. Box 3155.  BUSINESS ACTIVITIES: - Security & Surveillance Systems Installation & Maintenance - Telecommunication Systems Equipment Installation and Maintenance - Information Technology Network Services - Computer Infrastructure Establishment, Institution and Maintenance - Wholesale Of Precise Electronic Devices Trading - Wholesale Of Alarm And Monitor Devices And Equipment Trading.
<b>LIMIT OF INDEMNITY</b>	: AED 1,000,000/- any one occurrence and in the annual aggregate
<b>PREMIUM</b>	: "AS AGREED"
<b>ESTIMATED ANNUAL TURNOVER</b>	: Dhs. 17,500,000/-  Approx. No. of Project Per Year: 10 Projects
<b>PERIOD</b>	: Twelve (12) Months From 26/03/2023 To 25/03/2024 (Both Days Inclusive)

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ص.ب: ١٢٩٩٢١، أبوظبي - الإمارات العربية المتحدة؛ هاتف: ٤٤٤ ٤٩٣٤ ٢٩٧١، فاكس: ٤٠٠ ٤٩٣٤ ٢٩٧١  
P.O.Box: 129921, Abu Dhabi - UAE; Tel: +971 2 4934 444, Fax: +971 2 4934 400  
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# Organizational Chart

