



Pre Qualification

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

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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)*





Company Profile



Corporate Profile

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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.

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.



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.

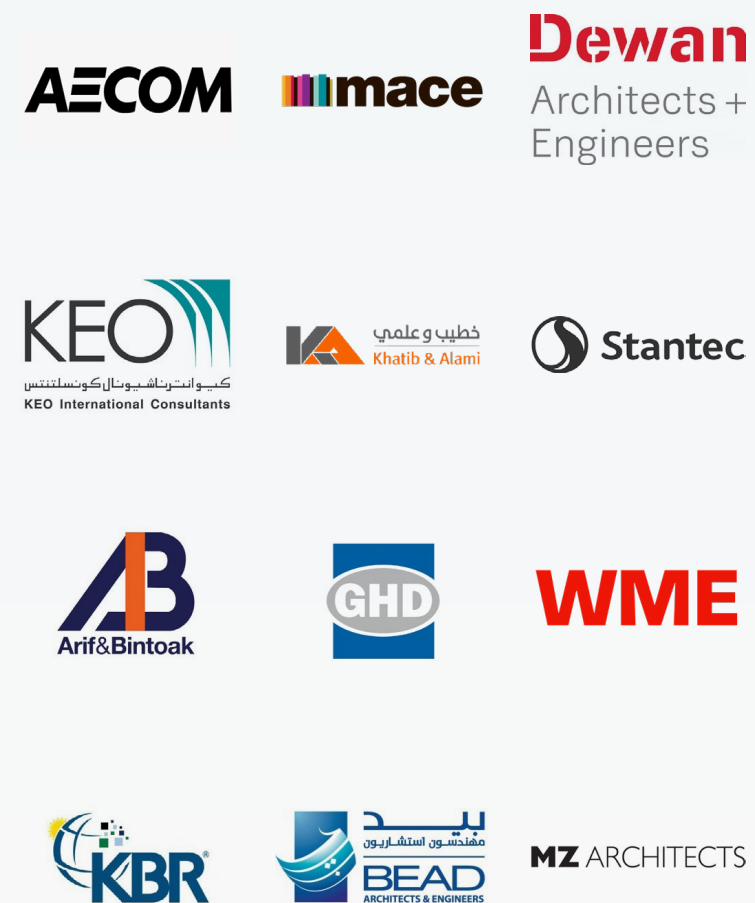


A Selection of our clients & affiliates

Clients



Consultants



Contractors





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



SONANCE





03

List Of Projects



List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	Global Gateway Village	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	Al Falah Retail	Abu Dhabi	March 2020	ALDAR Properties PJSC	ALDAR Properties PJSC		Security Systems Upgrade
Commercial	Media Zone Development	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	Reem Mall - Snow Park	Abu Dhabi	January 2020	Al Farwaniya	Ghantoot Group	WME Consultants / Dewan / MACE	AV & BGM Systems
Commercial	Berklee School of Music / UAE Pavillion	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	ADCE Commercial Building	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	Multipurpose Rooms Centro Rotana	Dubai	November 2019	Rotana	Rotana		AV, Automation, and Multipurpose Room Systems
Commercial	Mafraq Mall	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	ADCE / Mrs. Rawdah Mubarak Fadhel	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	Digital Screen Data Management	Abu Dhabi	July 2019	ALDAR Properties PJSC	ALDAR Properties PJSC		Digital Signage
Commercial	NIBRAS Aerospace Park	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	UAE Pavilion & Berklee	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	Department of Energy	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	Gulf Paradise - Residential & Mixed Use Building	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	Novotel (Accor Group) - 4 Star Hotel	Dubai	April 2018	Action Hotels	Universal Voltas	Arif & Bint oak 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	Mens SPA (1847) Phase II	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	Digital Signage for ALDAR	Abu Dhabi	October 2017	ALDAR Properties PJSC	Scan Construction	Jacobs	Digital Signage
Commercial	Manarat Al Saadiyat	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	HIDD Al Saadiyat Mosques	Abu Dhabi	March 2017	SDIC / LEAD	MCM Group	BEAD Architects & Engineers	AV, BGM, AZAN Systems
Commercial	Mens SPA (1847)	Dubai	March 2017	The Grooming Company	The Grooming Company		AV Systems, Automation
Commercial	Magna HQ Offices	Abu Dhabi	March 2017	Magna Investment LLC	Shield Contracting Company		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Al-Falah Community	Abu Dhabi	January 2017	Al Dar Properties	Scan Construction	Jacobs	Community Wide Wireless Mesh CCTV Systems, Control Rooms
Commercial	ADCE - Darmaki	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	Nursery	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	Private Office for HHS. Diab Al-Nahyan	Abu Dhabi	March 2016	HHS. Diab Al-Nahyan	INEX Interiors LLC	BEAD Architects & Engineers	ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Gravity Hotel	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	Private Mosque for HHS. Nahyan bin Moubarak	Abu Dhabi	January 2016	HH. Sheikh Nahyan Bin Moubarak Al Nahyan	Dhabi Contracting	BEAD Architects & Engineers	AV, BGM, AZAN
Commercial	Adenium HQ Offices	Dubai	December 2015	Adenium Energy Capital	Adenium Energy Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Novus HQ Offices	Dubai	December 2015	Novus Aviation Capital	Novus Aviation Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Cure Hospital (Phase I & II)	Abu Dhabi	September 2015	Advanced Cure Diagnostic Center LLC	Advanced Cure Diagnostic Center LLC	Khatib & Alami	CCTV, ACS, Intrusion Detection
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	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Dubai	June 2020	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Emirati Consutants	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	Crown Pince Court	Abu Dhabi	March 2020	Crown Prince Court	Crown Prince Court		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	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 Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Ahmad Zaabri	Abu Dhabi	November 2019	Mr. Ahmed Al-Zabri	Almed Real Estate Holding Limited	Ian Banham & Associates Consulting 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	H.E. Rasha Al Moubarak (Abu Dhabi)	Abu Dhabi	September 2019	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	MZ Architects	Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	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 Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa (Abu Dhabi)	Abu Dhabi	March 2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry	Gemaco Interiors	Al Suweidi Engineering Consultants LLC	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	Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa (Dubai)	Dubai	March 2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry	Plus Palace General Contracting	Chakib Richani / Crown Engineering Consultants	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	Mr. Nurreddin Sehweil	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	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 Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Ghassan Mikati	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	H.E. Yousef Al Nowais	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	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 Treatments Control, Distributed Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Bachar Gebran	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	Mr. Wail Mazin Sadiq	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	Mrs. Iren Sourial	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	H.E. Rasha Al Moubarak	Dubai	January 2016	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	LW Architects / WME	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	Mr. Anupe Dhorajiwala	Dubai	November 2015	Mr. Anupe Dhorajiwala	Mr. Anupe Dhorajiwala	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Usama Mohamed Ali Al Barwani	Dubai	October 2015	H.E. Usama Mohamed Ali Al Barwani	H.E. Usama Mohamed Ali Al Barwani		Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Muhamed Al Busaidi	Abu Dhabi	August 2014	Mr. Muhamed Al Busaidi	Mr. Muhamed Al Busaidi		Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	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 Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Mokbel Sourial	Abu Dhabi	March 2014	Mr. Mokbel Sourial	Mission Decoration		Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted 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 & Bint oak Consulting
Architects and Engineers

PMC : Accor Group

Main Contractor: Dhafir Development &
Contracting LLC





NIBRAS Aerospace Park

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 martials, 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

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

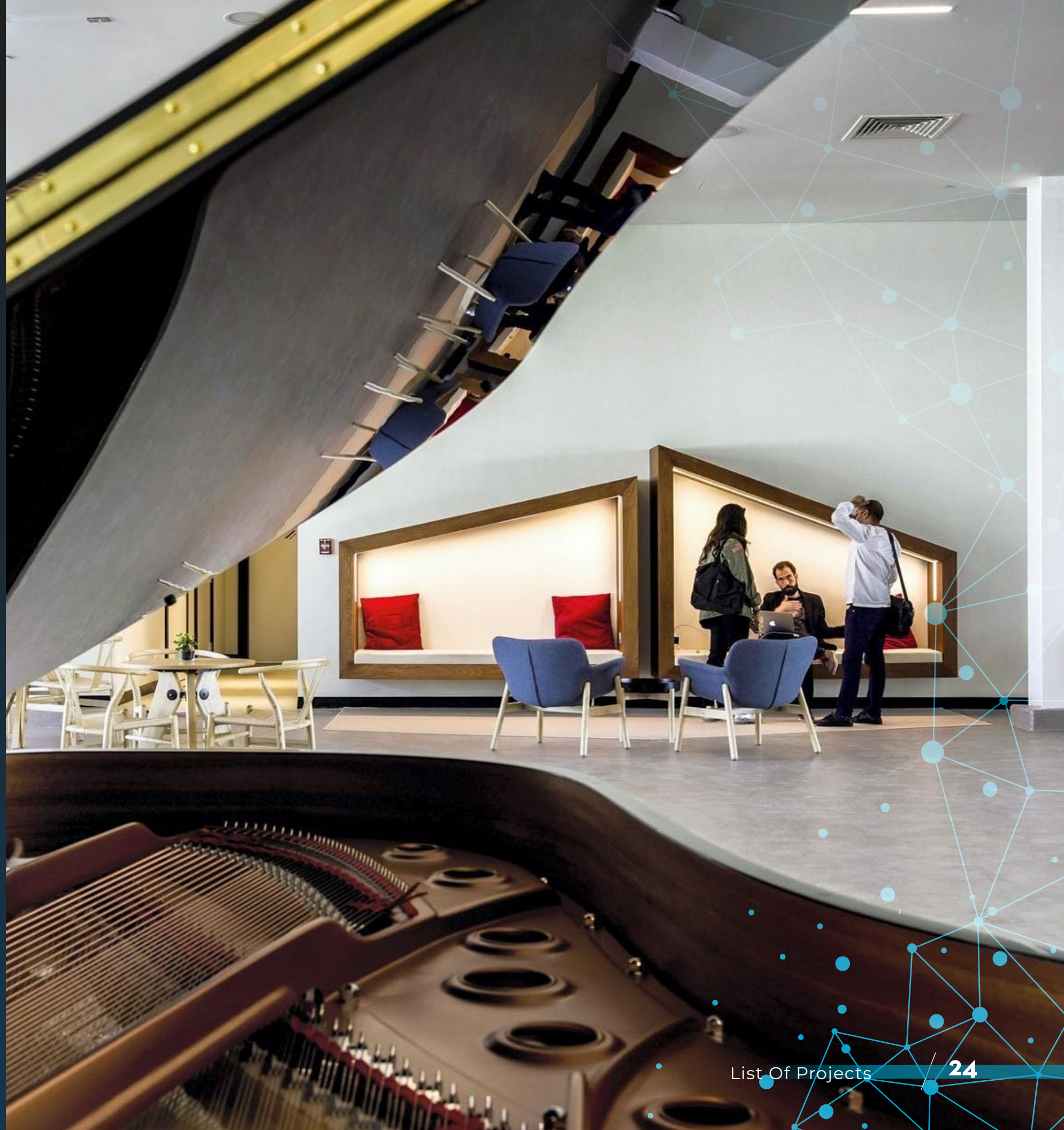
Project Details:

Client: Department of Culture and Tourism (DCT)

Developer: Tourism Development & Investment Company (TDIC)

Consultant: GHD

Main Contractor: Scan Construction





Al Mafraq Mall

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

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

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

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

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

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

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

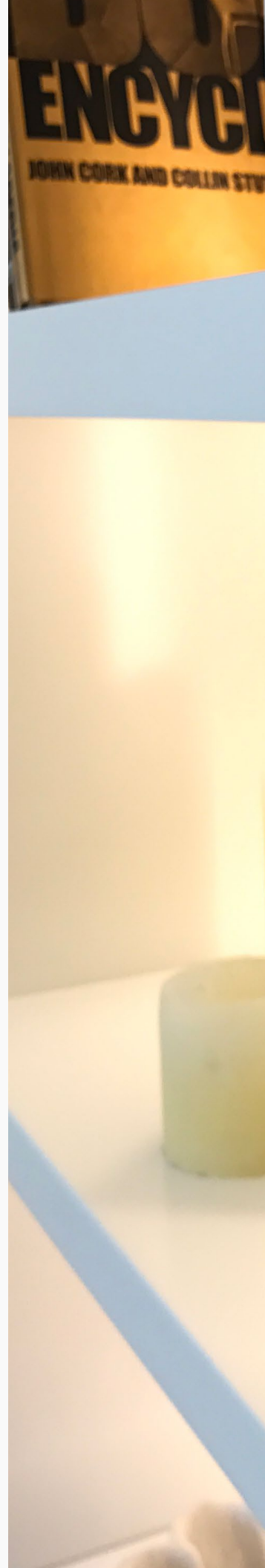
Project Details:

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

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



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 clutters 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

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

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.





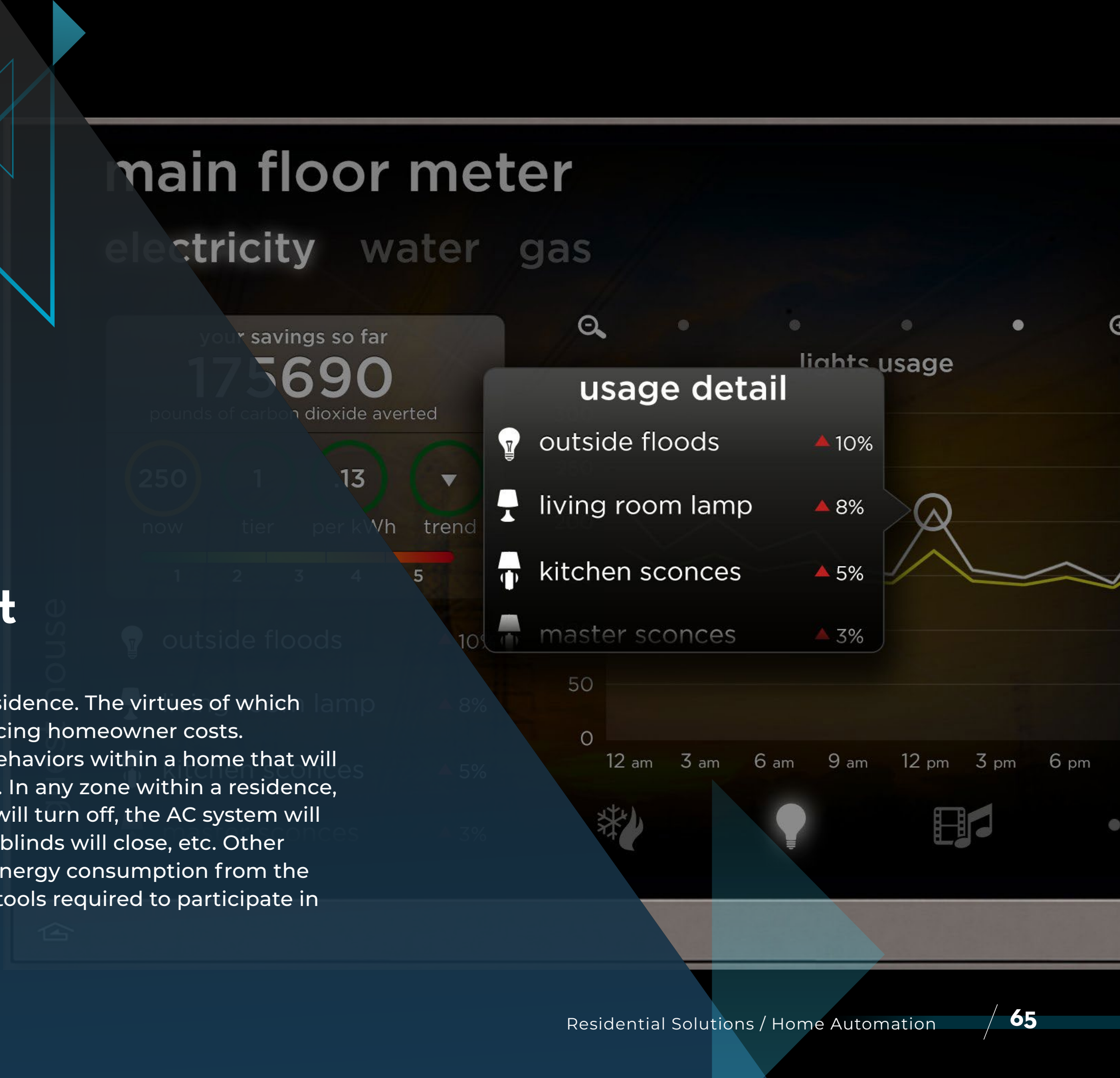
Private Cinemas

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.



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.





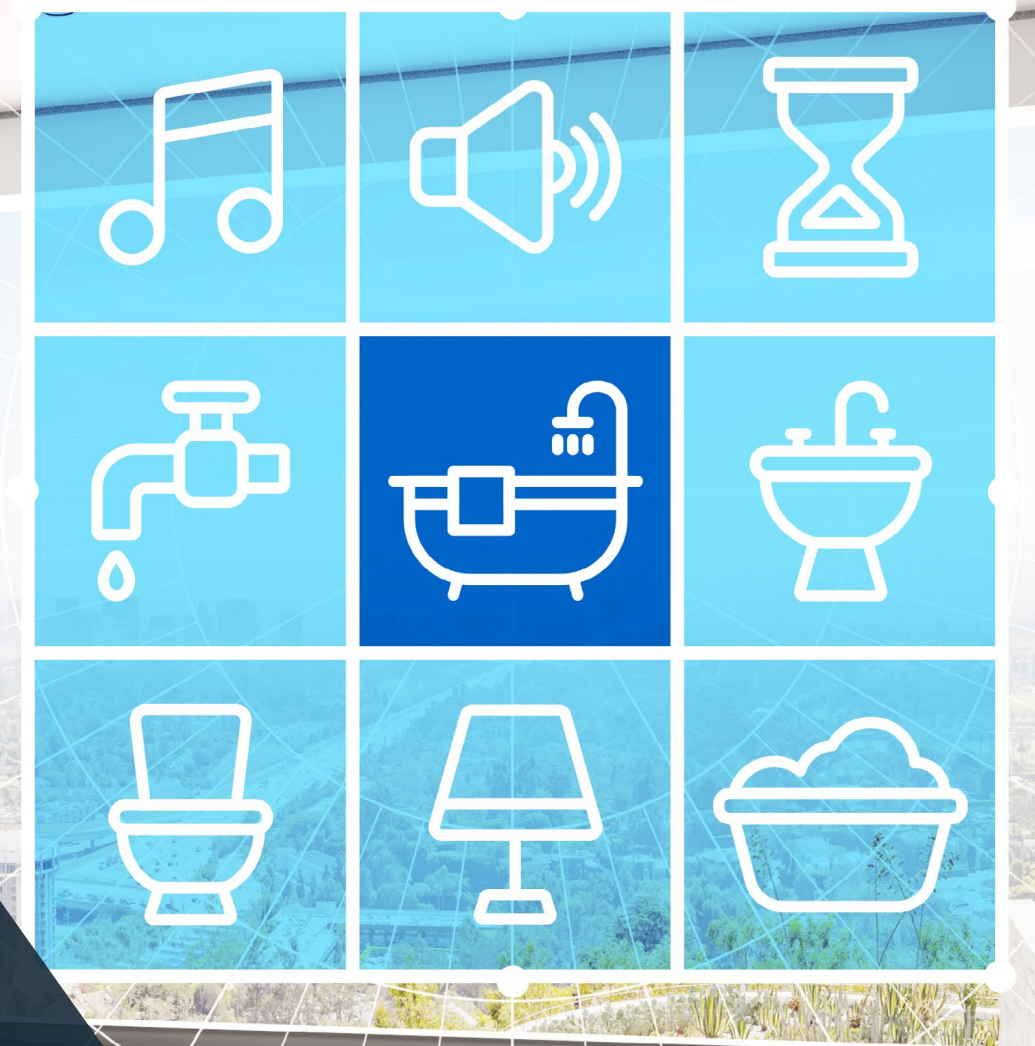
IT

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



مركز المتابعة والتحكم
MONITORING & CONTROL CENTRE

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)



القيادة العامة لشرطة أبوظبي
Abu Dhabi Police GHQ.

"Approved"



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



www.metric-tec.com



info@metric-tec.com



Legal, Licenses & Authorities

رخصة تجارية

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 GDRFA	:		:	الإدارة العامة للإقامة وشؤون الأجانب - بطاقة المنشأة
Legal Form	:	Limited Liability Company	:	الشكل القانوني
			:	شركة ذات مسؤولية محدودة
			:	مترك تكنولوجيا ذ.م.م
Trade Name	:	METRIC TECHNOLOGIES L.L.C.	:	الإسم التجاري
Establishment Date	:	23/09/2013	:	تاريخ تأسيس المنشأة
Issue Date	:	02/09/2020	:	تاريخ الإصدار
Expiry Date	:	02/09/2021	:	تاريخ الإنتهاء

الصفة 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	مترك تكنولوجيا (أوف شور) ش.م.ل. METRIC TECHNOLOGIES (OFFSHORE)S.A.L	41257322

Commercial Activities	:	الأنشطة التجارية
- 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		- إنشاء وتأسيس وصيانة البنية التحتية للحاسب الآلي
- Wholesale Of Precise Electronic Devices Trading		- تجارة الأجهزة الإلكترونية الدقيقة - بالجملة
- Wholesale Of Alarm And Monitor Devices And Equipment Trading		- تجارة أجهزة ومعدات الإنذار والمراقبة - بالجملة

Address	:	العنوان
	:	جزيرة ابوظبي, شرق 6, 0 : ~, على عبد الله على محمد بن شيبان و اخرين
	:	(تم تحصيل رسوم خدمات الدفاع المدني)

وثيقة معتمدة وصادرة بدون توقيع أو ختم من دائرة التنمية الاقتصادية - أبوظبي. للتحقق من صحة البيانات الواردة في الرخصة برجاء زيارة الموقع <http://www.ded.abudhabi.ae>

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





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	21/11/2021	تاريخ الإنتهاء
D&B D-U-N-S ®	0	الرقم العالمي
Register No.		رقم السجل التجاري
Issue Date	22/11/2018	تاريخ الإصدار
Main License No.	819657	رقم الرخصة الأم
DCCI No.	315196	عضوية الغرفة

الاطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الإسم	No./رقم الشخص
100.00%	Co. Owner / مالك الشركة	United Arab Emirates / الإمارات	مترك تكنولوجيا ذ م م	726848
	Manager / مدير	Lebanon / لبنان	على رائف مرتضى	610020
			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		مكتب رقم 1803-ملك فاكر محمد باتشا-الخليج التجاري
			البريد الإلكتروني / Email crm@dbamc.com

الملاحظات / Remarks

Print Date 06/01/2021 13:13 تاريخ الطباعة

Receipt No. 13775574 رقم الإيصال



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United Arab Emirates
Ministry of Interior
Abu Dhabi Police G.H.Q
 Dewan Department
 Government Coordination Section
 Customer Services Branch
 Abu Dhabi Municipality Office



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

أبو ظبي في ٢٠١٨/٩/٥ م

محضر تفويض

أنا الموقع ادناه :-

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

أفوض بموجب محضر التفويض هذا :-

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

منفردا بتمثيل " شركة مترك تكنولوجيا د.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 وتميزا 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 وبانشاء وتقديم العرائض والاذنارات 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 والاطارات والابراء والاقرار والصالح والاسقاط والمحاسبة وبيع املاك الشركة وموجوداتها المنقولة وغير المنقولة ممن يشاء وبما



Handwritten signature of the notary public, Ali Rifaat Marzuq.

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 الجمرك وتوقيع البيانات والمعاملات اللازمة لها واستيفاء الديون ودفعها وصرف الموظفين والعمال ودفع تعويضاتهم وبيع السيارات وشراءها وتجبير 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 .

ولليان حـ ر ر .

عبد الله خليل محمد سميع المطوع



3107483

دائرة القضاء
JUDICIAL DEPARTMENT



محضر تصديق رقم 1805021010

إنه في يوم الثلاثاء الموافق 2018/09/18 م

انتقلت أنا محمد جمعه الحمادي الكاتب العدل

إلى مقر عبدالله خليل محمد المطوع وأخرون

وبعد استيفاء الإجراءات المقررة وسداد الرسم وقدره 1300 درهم

بموجب الإيصال رقم 1801005365301023468، قمت

بالتصديق.

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 / السيد علي بن سيف مرتضى
أوكّل السيد / علي بن سيف مرتضى

ليكون وعيلاً في التوقيع على كافة المعاملات والعقود وطلبات التأشيرات
المقدمة لوزارة العمل، فيما يختص بالعمال العاملين على المنشأة أو الذين سيتم
استخدامهم أو تعيينهم للعمل بها.
أقر بأن صدور هذا التوكيل لا يعفي من أية مسئولية كانت تجاة المعاملات
والعقود وطلبات التأشيرات المقدمة لوزارة العمل، فيما يختص بالعمال العاملين
على المنشأة ، أو الذين سيتم استخدامهم للعمل بها.
وأتعهد بأن أكون مسئولاً مسئولية كاملة عن كافة حقوق العمال القانونية أمام
الوزارة من أجور وبدل إجازات ومكافآت نهاية الخدمة، وخلافه من الحقوق التي
يترتبها القانون أو عقد العمل. وكذلك نفقات تسفير العاملين وإعادتهم إلى موطنهم،
وأن أكون مسئولاً عن كافة تصرفات الوكيل.
إذا لم يكن الوكيل على كفالة المنشأة أو يحمل بطاقة عمل صادرة باسمها، فإن
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:

توقيع الموكل:

التوكيل والإقرار لشخص واحد.

التوكيل والإقرار أمام السيد/ كاتب العدل بالمحكمة المختصة.

الشهود

1- نور الدين بن أحمد بن العز

2- محمّد بن أحمد بن محمد بن أحمد

0258733

دائرة القضاء
JUDICIAL DEPARTMENT



محضر تصديق رقم 1403000917

أنه في يوم الأربعاء الموافق 2014/01/22 م

حضر لدي أنا/ عواطف الشريف الكاتب 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:

MCC/SAS/00067

رقم المرجع:

Date of Issue:

15 September 2020

تاريخ الإصدار:

Date of Expiry:

02 September 2021

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.

الاسم:		مترك تكنولوجيا ذمم
Name:	Metric Technologies LLC	

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

ملاحظات:

- هذه الشهادة سارية المفعول حتى إنتهاء الرخصة التجارية.
- أي كشط او تغيير في هذه الشهادة يلغيها.
- 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





مؤسسة تنظيم الصناعة الأمنية

SECURITY INDUSTRY REGULATORY AGENCY



eVerification No. : 51455310 : رقم التحقق الإلكتروني
Passcode : 75068B8C : رمز المرور

Date : 10/01/2021 : التاريخ
Certificate No. : SSP20210110 5615 : المرجع

تنهاية تسجيل Registration Certificate

License Information

License No. : 819657
Date of Issue : 22/11/2018
Date of Expire : 21/11/2021

بيانات الرخصة

رقم الرخصة : 819657
رقم الرخصة : 22/11/2018
تاريخ الانتهاء : 21/11/2021

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

نشاط 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 تكنولوجيز 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 سنوياً
هذا الترخيص لا يعتبر ترخيص تجاري وأي كسب أو تغيير أو إضافة فيه
يلغيه

Printed Date: 10/01/2021 10:06:13

تاريخ الطباعة : 10/01/2021 10:06:13

System generated certificate does not require signature.

وثيقة صادرة ومعتمدة من النظام ولا تتطلب توقيع

To verify the content of this certificate visit: <http://portal.sira.gov.ae/web/Registration/DocumentVerification> and enter the eVerification No. and Passcode.



+971 4 7023 666

+971 4 7023 555

info@sira.gov.ae

!ع.م. دبي 30306

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 واللائحة 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	مترك تكنولوجيز ذ.م.م	الاسم القانوني الكامل باللغة العربية
Full English legal name	Metric Technologies LLC	الاسم القانوني الكامل باللغة الانجليزية
Registered address	Abdullah Bin Shibab Building, Office No. 401, Khalifa, Abu Dhabi, Abu Dhabi, Abu Dhabi, United Arab Emirates, 3155, +97126224000	العنوان المسجل
Tax Registration Number	100362170100003	رقم التسجيل الضريبي
Effective Registration Date	01/01/2018	تاريخ التسجيل الفعلي
First VAT Return Period	1 Jan 2018 – 31 May 2018 and quarterly thereafter	فترة أول إقرار لضريبة القيمة المضافة
VAT Return due date	28th day following the end of the VAT return period	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

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**






Our Reference: RS/ma/058/2020
Abu Dhabi, January 29, 2020.

TO WHOM IT MAY CONCERN

Dear Sirs,

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

Account Name: **METRIC TECHNOLOGIES LLC**
Account No.: 01306-169285
IBAN No. AE77 0120 0000 0130 6169 285
Swift No.: SHARAEAS

We further certify that Mr. Ali Mourtada is authorized to sign singly on the account.

This certificate is given upon **M/S METRIC TECHNOLOGIES LLC** request without any commitment or responsibility on our part.

Yours Faithfully,

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





Projects List



List of Projects - Commercial

Type	Project Name	Location	Date	Main Client	Metric Technologies Client	Consultant	Scope
Commercial	Global Gateway Village	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	Al Falah Retail	Abu Dhabi	March 2020	ALDAR Properties PJSC	ALDAR Properties PJSC		Security Systems Upgrade
Commercial	Media Zone Development	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	Reem Mall - Snow Park	Abu Dhabi	January 2020	Al Farwaniya	Ghantoot Group	WME Consultants / Dewan / MACE	AV & BGM Systems
Commercial	Berklee School of Music / UAE Pavillion	Abu Dhabi	December 2019	Depratement of Culture and Tourism	Depratement of Culture and Tourism	Berklee	Performance Audio Visual Systems, Show Lighting, Computer Labs, Recording Studios, Acoustic Treatments
Commercial	ADCE Commercial Building	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	Multipurpose Rooms Centro Rotana	Dubai	November 2019	Rotana	Rotana		AV, Automation, and Multipurpose Room Systems
Commercial	Mafraq Mall	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	ADCE / Mrs. Rawdah Mubarak Fadhel	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	Digital Screen Data Management	Abu Dhabi	July 2019	ALDAR Properties PJSC	ALDAR Properties PJSC		Digital Signage
Commercial	NIBRAS Aerospace Park	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	UAE Pavilion & Berklee	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	Department of Energy	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	Gulf Paradise - Residential & Mixed Use Building	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	Novotel (Accor Group) - 4 Star Hotel	Dubai	April 2018	Action Hotels	Universal Voltas	Arif & Bint oak 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	Mens SPA (1847) Phase II	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	Digital Signage for ALDAR	Abu Dhabi	October 2017	ALDAR Properties PJSC	Scan Construction	Jacobs	Digital Signage
Commercial	Manarat Al Saadiyat	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	HIDD Al Saadiyat Mosques	Abu Dhabi	March 2017	SDIC / LEAD	MCM Group	BEAD Architects & Engineers	AV, BGM, AZAN Systems
Commercial	Mens SPA (1847)	Dubai	March 2017	The Grooming Company	The Grooming Company		AV Systems, Automation
Commercial	Magna HQ Offices	Abu Dhabi	March 2017	Magna Investment LLC	Shield Contracting Company		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Al-Falah Community	Abu Dhabi	January 2017	Al Dar Properties	Scan Construction	Jacobs	Community Wide Wireless Mesh CCTV Systems, Control Rooms
Commercial	ADCE - Darmaki	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	Nursery	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	Private Office for HHS. Diab Al-Nahyan	Abu Dhabi	March 2016	HHS. Diab Al-Nahyan	INEX Interiors LLC	BEAD Architects & Engineers	ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Gravity Hotel	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	Private Mosque for HHS. Nahyan bin Moubarak	Abu Dhabi	January 2016	HH. Sheikh Nahyan Bin Moubarak Al Nahyan	Dhabi Contracting	BEAD Architects & Engineers	AV, BGM, AZAN
Commercial	Adenium HQ Offices	Dubai	December 2015	Adenium Energy Capital	Adenium Energy Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Novus HQ Offices	Dubai	December 2015	Novus Aviation Capital	Novus Aviation Capital		ICT Solutions, AV, Conderence Rooms, Automation, ELV, Security
Commercial	Cure Hospital (Phase I & II)	Abu Dhabi	September 2015	Advanced Cure Diagnostic Center LLC	Advanced Cure Diagnostic Center LLC	Khatib & Alami	CCTV, ACS, Intrusion Detection
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	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Dubai	June 2020	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Mr. Amer Abdulrahim Abdulla Mohamed Kazim	Emirati Consutants	Comprehensive Home Automation Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted 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 Lighitng, HVAC and Window Treamtnet Control, Distrubuted 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 Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Ahmad Zaabri	Abu Dhabi	November 2019	Mr. Ahmed Al-Zabri	Almed Real Estate Holding Limited	Ian Banham & Associates Consulting Engineers	Comprehensive Home Automation Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Rasha Al Moubarak (Abu Dhabi)	Abu Dhabi	September 2019	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	MZ Architects	Comprehensive Home Automation & AV Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	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 Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa (Abu Dhabi)	Abu Dhabi	March 2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry	Gemaco Interiors	Al Suweidi Engineering Consultants LLC	Comprehensive Home Automation Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Khalifa Omeir Yousef Ahmed Almheiry Villa (Dubai)	Dubai	March 2019	Mr. Khalifa Omeir Yousef Ahmed Almheiry	Plus Palace General Contracting	Chakib Richani / Crown Engineering Consultants	Comprehensive Home Automation Systems inclusive of Lighitng, 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	Mr. Nurreddin Sehweil	Abu Dhabi	August 2018	Mr. Nureddin Sehweil	Mr. Nureddin Sehweil		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	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 Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Ghassan Mikati	Abu Dhabi	February 2018	Mr. Ghassan Mikati	Mr. Ghassan Mikati	XBD Colective	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	H.E. Yousef Al Nowais	Abu Dhabi	October 2017	H.E. Yousef Al Nowais	H.E. Yousef Al Nowais	BEAD Architects & Engineers	Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet 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 Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Bachar Gebran	Abu Dhabi	September 2016	Mr. Bachar Gebran	Mr. Bachar Gebran	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lightitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Wail Mazin Sadiq	Dubai	March 2016	Mr. Wail Mazin Sadiq	Mr. Wail Mazin Sadiq		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	Mrs. Iren Sourial	Dubai	February 2016	Mr. Mokbel Sourial	Mr. Mokbel Sourial		Comprehensive Home Automation & AV 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	H.E. Rasha Al Moubarak	Dubai	January 2016	H.E. Rasha Al Moubarak	H.E. Rasha Al Moubarak	LW Architects / WME	Comprehensive Home Automation Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Anupe Dhorajiwala	Dubai	November 2015	Mr. Anupe Dhorajiwala	Mr. Anupe Dhorajiwala	A.D.D.	Comprehensive Home Automation & AV Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Usama Mohamed Ali Al Barwani	Dubai	October 2015	H.E. Usama Mohamed Ali Al Barwani	H.E. Usama Mohamed Ali Al Barwani		Comprehensive Home Automation & AV Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Muhamed Al Busaidi	Abu Dhabi	August 2014	Mr. Muhamed Al Busaidi	Mr. Muhamed Al Busaidi		Comprehensive Home Automation & AV Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	H.E. Jassem Mohamed Obaid Mohd Al Zaabi	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 Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.
Residential	Mr. Mokbel Sourial	Abu Dhabi	March 2014	Mr. Mokbel Sourial	Mission Decoration		Comprehensive Home Automation & AV Systems inclusive of Lighitng, HVAC and Window Treamtnet Control, Distrubuted Audio, Centralized Video & IPTV, Home Theater, Enhanced Security Systems, Intercom and Telecommunication Systems.



Approvals, Credentials & Completion Certificates

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

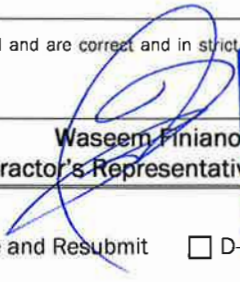
Subject : Pre-Qualification of Metric Technologies for Supply, Installation, Termination, Testing and Commissioning of Structured Cabling System, CCTV System, Disable Toilet Alarm System, PA/BGM System and Building's Lighting Control System

Sub-Contractor / Supplier Detail: M/s. Metric Technologies LLC P.O Box.3155, Abu Dhabi, UAE. Tel. : 02-666 6587 Fax. : 02-622 4014	Attachment: 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"/>
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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)



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.

1. 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.
2. All the component/ instrumentation used shall be in line and matched with the existing and to be interconnected with MASDAR IT system.
3. This provisional approval is valid only if the approval conditions set herewith are fulfilled.
4. Material approval is subject to approval of shop drawings and material submittal.
5. This approval is subject to adherence to Abu Dhabi local authorities regulations and strict compliance with Masdar Div 1 Sps.
6. Contractor shall closely follow the quality and HSE requirements as per authority standards and project specs.
7. Approval is subject to satisfactory performance throughout the mentioned works.
8. 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 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 ☐ Contract ☐ File

Employer: 	PMC: 	Engineer/Architect: 	Consultant: 	Contractor: 
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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 Bahaa / Maha Nadeem	Signature: 	Time/Date:	13-Aug-20
QA/QC Section	Name: Richard Bagadiong	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 comments on attached sheet

Consultant's Representative

Resident Engineer / Project Manager: 

Signature:  Date/Stamp: 18.8.2020

PME's Comment(s)

PM'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 hereon by the Contractor. The Employer or Engineer's approval is for information only and does not constitute an endorsement or warranty of the Contractor's qualifications. The Employer or Engineer shall not release the Contractor from his contract obligations. The Contractor shall remain responsible for its performance under the Contract Documents. If deficiencies are found, it shall be the responsibility of the Contractor to provide the necessary corrections at its own expense. This certificate is valid for a period of 12 months from the date of issuance.



RECEIVED

13 AUG 2020 10:28 AM

GGW-FM-EN-005

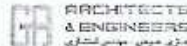
B + G + 2 P+11 TYPICAL FLOORS +GYM LEVEL + ROOF 4 STAR HOTEL DEVELOPMENT

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

Client: M/s. ACTION HOTELS LLC							
Consultant:  عارف و بن طوق Arif & Bintook consulting architects & engineers				Contractor: DHAFIR ظفير Development & Contracting LLC للتنمية والمقاولات			
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
<u>DOCUMENT DESIGNATION:</u>		<input type="checkbox"/> Method Statement <input type="checkbox"/> Technical Datas <input type="checkbox"/> Test Reports <input type="checkbox"/> Drawings <input type="checkbox"/> Guarantee/Certificates <input checked="" type="checkbox"/> 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 :							
<u>REVIEW & SIGNATURE:</u>				<u>RECEIPT'S SIGNATURE:</u>			
Sub Contractor		Main Contractor					
Name : Praveen Unnikrishnan		Name : Georges Eid		Name :		Sign: Date:	
Sign :  Date : 		Sign :  Date : 					
<u>CONSULTANT'S COMMENTS</u>							
<p style="font-size: 1.2em; color: green;">No objection subject to system approval </p> <p style="font-size: 1.2em; color: blue;">No objection subject to performance on site. 14/11/2017</p>							
Status: <input checked="" type="checkbox"/> A Approved <input type="checkbox"/> B Approved With Comments <input type="checkbox"/> C Not Approved <input type="checkbox"/> D Further Information Required <input type="checkbox"/> E For Record Only							
For and on behalf of Arif & Bintook							
Name: Mohd. Mosleh		Sign: 		Date: 19/11/17			
Received By:							
Main Contractor				Sub Contractor			
Name: Georges Eid		Sign : 		Name : Praveen Unnikrishnan		Sign:  Date :	



Form # DD02/7 (PS), Rev 0, May'



**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/PRO-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	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
2. List of Human Resources	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. Management organization chart	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
4. List of Equipment	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
5. Brochures / Photos	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
6. Registration Certificates	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

B - FACTORY / WORKSHOP ADDRESS:

Abu Dhabi - UAE

C - ANY OTHER INFORMATION

Submitted By : Nadia Abi Nassar

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

PROJECT MANAGER'S COMMENTS:

Received back by: (ARCAN) PROJECT MANAGEMENT

Signature:

Stamp:

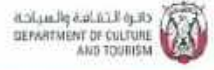
Date:

Received back by: CONTRACTOR

Signature:

Date:





SUBMITTAL FORM

Project UAE Pavilion Refurbishment	Contractor / Package Scan Construction / Main Works	Doc No. TF-SC-006	Revision 00
To:	Department of Culture & Tourism	Submit Issue Date :	21/01/19
Type of Work <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 (.....)			
Description:- <div style="text-align: center; color: red;"> Company Pre-qualification Document for M/S Metric Technologies LLC (ELV / IT Works) </div>		Submission Type <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	
Location of Use:- All Buildings		Contract Specification Clause Ref: N/A Contract Drawing Ref: N/A	

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

 GHD Global Pty Ltd SUBMITTAL REVIEW
THIS SUBMITTAL HAS BEEN REVIEWED FOR COMPLIANCE WITH THE CONTRACT REQUIREMENTS AND RETURNED AS FOLLOWS:
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> A - ACCEPTED <input checked="" type="checkbox"/> B - ACCEPTED AS NOTED </div> <div> <input type="checkbox"/> C - REVISE AND RESUBMIT <input type="checkbox"/> D - FOR INFORMATION ONLY NOT REVIEWED </div> </div>
THE OUTCOME OF THIS REVIEW DOES NOT CONSTITUTE ACCEPTANCE OF DESIGN DETAILS, CALCULATIONS, ANALYSIS, TEST METHODS OR 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 QUANTITIES 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: 25-01-2019

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

Status Code:

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

AL MAFRAQ SQUARE DEVELOPMENT CONSTRUCTION OF SHOPPING MALL

SUBCONTRACTOR SUBMITTAL / APPROVAL FORM

Contract No: _____ Work Package: _____

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

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

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 : 23rd October 2019

TRANSMITTAL To (Engineer): Dewan Architects and Engineers Date: 23rd 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 Tmsmt'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: _____

☐ One copy retained by sender
Date: 18/11/19

TRANSMITTAL To (Subcontractor): _____ Date: _____ Date Rec'd by Contractor : _____
D From (Contractor): Itinera/Ghantoot JV Name/Sign : _____ Date Tmsmt'd by Contractor : _____

Copies: ☐ Employer ☐ Consultants ☐ _____ ☐ _____ ☐ One copy retained by sender



CLIENT



PMC



SUPERVISION



CONTRACTOR

PROJECT NAME

Media Zone Development

TECHNICAL SUBMITTAL

ACONEX REFERENCE No.

REV

YAS-MZ-ACC-EL-PQL-00048

01

Submitted 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

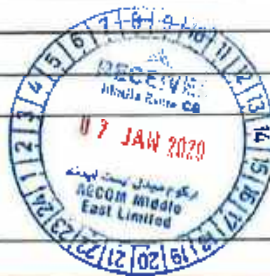
All

Zone

All

Location

All



Submittal Type

- ☒ Prequalification of Subcontractor (PQL)
- ☐ Method Statement (MST)
- ☐ Operation & Maintenance (OMM)
- ☐ Testing & Commissioning Reports (TRP)
- ☐ Design Calculations (CAI)
- ☐ 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, plan; 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 work.
- 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 Essas / Sami Bishara

07/01/20

PMC Confirmation:

8/1/20

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

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 Supervisor☐ 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)

Date:

29-Mar-20

Received By: (Construction Supervisor)

Date:

Received By: (PMC)

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 (TRC)
- ☐ Design Calculations (CAL)
- ☐ Material Sample (MSA)
- ☐ Material Requisition (MAR)
- ☐ Test Results (TRE)
- ☐ Technical Specifications (SPE)
- ☐ Test Reports (TRR)
- ☐ Project Quality Plan (QPL)
- ☐ HSE Plan (REP)
- ☐ Daily Report (DPR)
- ☐ Certificate (CER)
- ☐ Program/Schedule (PRG)
- ☐ Estimation
- ☐ Others: _____

Contractor's PM Sign:

RESIDENT ENGINEER REVIEW (Construction Supervisor) CONSULTANT'S COMMENTS

COMMENTS:

1. Project Manufacturer's/Vendor's list does not include the "Installer name" but only the systems/products brand name.
2. 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.
3. 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.
4. 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.
5. 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. Morencillo

Date: 13 April 2020

ENGINEER REVIEW (Project Management Consultant)

COMMENTS:



Reviewed By:

NAME & SIGNATURE

DATE

FINAL STATUS

Construction Supervisor R.E./ Technical Manager

Saleh Fseer / 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:

15/04/2020

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 relieve the contractor from compliance with the contract requirements and specifications.

Distribution

☐ Client☐ PMC☐ Construction Supervisor☐ Contractor☐ Others (Specify) _____

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


☒ valid trade license

☒ organization chart

☒ 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: 

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

CONSULTANT COMMENTS:

Refer to the attached comments sheet 9
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: SC/22417/Nov/17

01st 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

Ref. #: 350/2017

Date: Wednesday, November 1st 2017

Subject : Recommendation Letter

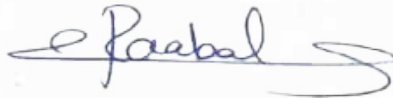
Centric Interiors LLC is a Fit-out specialist that engages in ultra high-end residences, offices and retail.

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, 16th 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


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 R. CAUDILLA
 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
For M/S Aldar Properties PJSC,
07-05-2006

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METRIC
TECHNOLOGIES
TAKE CONTROL

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



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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

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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

METRIC TECHNOLOGIES L.L.C.

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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



METRIC TECHNOLOGIES L.L.C.

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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

22/12/19
MOHSIN NAZIR
22 Dec 19
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*





METRIC
TECHNOLOGIES
TAKE CONTROL

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

*22 Dec 19
Aur S.*

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

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

Handwritten signature and date:
22 - Dec - 2019
Amer S.





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



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

شركة مترك تكنولوجيز ش.م.ع.

ص.ب. ٣١٥٥ | أبو ظبي - الامارات 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



WALKTHRU 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
Commercial Registration	✓	
Pre-Qualification Documents	✓	
Financial Status	✓	
Compliance Statement	✓	
Experience	✓	
Required Documents (as per Contract)		
Performance Bond		
Mandatory Documents		
Compliance Statement		
Other (specify)		

Contractor comments:

Submitted by Contractor	Signature & stamp	Received by Engineer	Signature & stamp
Name: Roy Audi		Name:	
Date: 12/11/2020		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 & stamp:

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

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

CONTRACTOR SUBMITTAL

PROJECT NAME:	RR6-1-PRIVATE VILLA, REEM ISLAND	CLIENT:	Rasha Khalifa Alrhubani
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 the submitted forms 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: 14 April 2019

ENGINEER'S REVIEW COMMENTS

Code 1 Approved <input type="checkbox"/>	Code 2 Approved As Noted <input checked="" type="checkbox"/>	Code 3 Revise And Resubmit <input type="checkbox"/>	Code 4 Rejected <input type="checkbox"/>	Code 5 For Information Only <input type="checkbox"/>
---	---	--	---	---

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 does not constitute an endorsement of the Contractor's work or a warranty of the quality of the work.

Print Name: [] Date: [] To: [] From: [] MZ Architects [] Date: [] File: []

	إمكان IMKAN	MZ ARCHITECTS	 WALK THRU CONTRACTING LLC
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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>

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





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 31st of December 2020.

For and on behalf of
GSL Professional LLC,

Adrian Curtis
Managing Director

Tel: +971 4 295 2876
Email: info@gslprofessional.com

Fax: +971 4 295 2875

P.O. Box: 40297
website: www.gslprofessional.com

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



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

May 3rd 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

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





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", written over a horizontal line.

Marwan Khoury
Marketing Manager
Middle East & Africa

Hikvision FZE
52nd 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

03rd 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, T +971-(0)4-8709318, M +971-(0)52-7155755, <http://hanwha-security.com/>

**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: 16th 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



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

A handwritten signature in black ink, appearing to read 'A Thomas', with a small circular mark at the end.

Alex Thomas
President & CEO



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

A handwritten signature in black ink, appearing to read 'Satish', with a stylized flourish at the end.

Satish Krishnamoorthy
General Manager
Middle East & Africa



IDIS
MIDDLE EAST

IDIS CO., LTD
P.O. Box 341037, Dubai Silicon Oasis
Dubai, U.A.E

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



Direct IP



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 | www.candid-ss.com, www.candid-protrac.com

Germany - HQ

Neckarsulz, 1A, 40878 Ratingen
Phone: +49 2102 3329 670

Hungary - R & D

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

Dubai - MENA

Gil Tower Office # 2210, World House Street
Dubai Silicon Oasis, United Arab Emirates
Phone: +971 4333 2070, Fax: +971 4333 2074



Metric Technologies LLC

IS A DELL TECHNOLOGIES AUTHORIZED SOLUTION PROVIDER PARTNER

A handwritten signature in black ink, appearing to be "JM", positioned above a horizontal line.

Joyce Mullen

President
Global Channel, Embedded & Edge Solutions

February 2020 to January 2021

Dubai, 19th March 2017

AUTHORIZATION LETTER

Promise Technology, located at Sciencepark 5228, 5692 EG SON, The Netherlands 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,



Promise Technology Europe B.V.
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)

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 Shiban Building

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

Tel: +971 2 666 6587

Date of original certification : August 29th 2019

Certificate Validity: August 28th 2021



Presented by:

A handwritten signature in blue ink that reads "Derek Furtado".

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 Maylee Holdings Ltd

www.excel-networking.com



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: 16th 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, AbuDhabi, 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, 14th 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 horizontal line.

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
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

Website: 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.

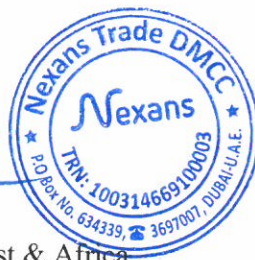
Accordingly, **METRIC TECHNOLOGIES** will be able to provide end-users with Nexans Cabling Solutions 25 years warranty certification, provided that the implementation is executed in accordance with our field installation procedures and the final testing results meet the respective International Standards.

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
Website: 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:

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, Website : 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@sgtcpro.com
Website : www.sgtcpro.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@sgtcpro.com
الموقع الإلكتروني : www.sgtcpro.com

08th 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..



Control4



GCC Control4 Dealer of the Year

is awarded to

METRIC TECHNOLOGIES

19 FEB 2020

DATE



A stylized signature in black ink.

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



Wednesday, 24th 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, consisting of a series of loops and a long horizontal stroke extending to the right.

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

CEDIA
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,

A handwritten signature in black ink, appearing to read "V. Philippo", with a large, stylized flourish.

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 management system of

Metric Technologies L.L.C

P.O. Box: 3155, Office No: 401, Abdullah Bin Shiban Building,
Khalifa Street, Abu Dhabi, United Arab Emirates.

has been assessed and registered by
Veritas Assurance International as conforming to the requirements of

ISO 9001:2015 Quality Management System

The Quality Management System is applicable to

**Security & Surveillance Systems Installation & Maintenance, Telecommunication Systems
Equipment Installation & Maintenance, Information Technology Network Services,
Extra Low Voltage (ELV) Contracting, Information & Communications Technology (ICT)
Contracting and Audio Visual (AV) Installations.**

Certificate No : 32118512

Certificate issue date : 09-05-2019 | Certificate expiry date : 08-05-2022

1st Surveillance due before : 08-05-2020 | 2nd Surveillance due before : 08-05-2021

Authorised Signatory
Veritas Assurance International



Full Member of IAF



Veritas Assurance International is Accredited by UAF (United Accreditation Foundation)
Full Member of IAF (International Accreditation Forum)

Registered Accreditation Office:
3510, Colmar, Norfolk, VA 23509, United States of America (USA).

This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be periodically audited by Veritas Assurance International.

This certificate remains the property of Veritas Assurance International and must be returned on request. In the issuance of this certificate, Veritas Assurance International assumes no liability to any party other than to the client, and then only in accordance with the agreed upon certification agreement. Validity of this certificate may be confirmed at www.veritasassurance.com, directly through QR code by using any device with correct information or email to admin@veritasassurance.com.



VERITAS ASSURANCE INTERNATIONAL ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

www.veritasassurance.com





CERTIFICATE OF

REGISTRATION

This is to certify that the management system of

Metric Technologies L.L.C

P.O. Box: 3155, Office No: 401, Abdullah Bin Shiban Building,
Khalifa Street, Abu Dhabi, United Arab Emirates.

has been assessed and registered by
Veritas Assurance International as conforming to the requirements of

ISO 14001:2015 Environmental Management System

The Environmental Management System is applicable to

**Security & Surveillance Systems Installation & Maintenance, Telecommunication Systems
Equipment Installation & Maintenance, Information Technology Network Services,
Extra Low Voltage (ELV) Contracting, Information & Communications Technology (ICT)
Contracting and Audio Visual (AV) Installations.**

Certificate No : 32118513

Certificate issue date : 09-05-2019 | Certificate expiry date : 08-05-2022

1st Surveillance due before : 08-05-2020 | 2nd Surveillance due before : 08-05-2021

Authorised Signatory
Veritas Assurance International



Full Member of IAF



Veritas Assurance International is Accredited by UAF (United Accreditation Foundation)
Full Member of IAF (International Accreditation Forum)

Registered Accreditation Office:
3510, Colmar, Norfolk, VA 23509, United States of America (USA).

This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be periodically audited by Veritas Assurance International.

This certificate remains the property of Veritas Assurance International and must be returned on request. In the issuance of this certificate, Veritas Assurance International assumes no liability to any party other than to the client, and then only in accordance with the agreed upon certification agreement. Validity of this certificate may be confirmed at www.veritasassurance.com, directly through QR code by using any device with correct information or email to admin@veritasassurance.com.

This certificate is issued through email notification



VERITAS ASSURANCE INTERNATIONAL ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

www.veritasassurance.com





CERTIFICATE

OF

REGISTRATION

This is to certify that the management system of

Metric Technologies L.L.C

P.O. Box: 3155, Office No: 401, Abdullah Bin Shiban Building,
Khalifa Street, Abu Dhabi, United Arab Emirates.

has been assessed and registered by
Veritas Assurance International as conforming to the requirements of

ISO 45001:2018

Occupational Health and Safety Management System

The Occupational Health & Safety Management System is applicable to

**Security & Surveillance Systems Installation & Maintenance, Telecommunication Systems
Equipment Installation & Maintenance, Information Technology Network Services,
Extra Low Voltage (ELV) Contracting, Information & Communications Technology (ICT)
Contracting and Audio Visual (AV) Installations.**

Certificate No : 5031861

Certificate issue date : 09-05-2019 | Certificate expiry date : 08-05-2022

1st Surveillance due before : 08-05-2020 | 2nd Surveillance due before : 08-05-2021

Authorised Signatory
Veritas Assurance International



CAS-0172



Veritas Assurance International is Accredited by ASIB
(Accred Services International Board (Europe) Limited)

Registered Accreditation Office:
Kemp House, 160 City Road, London, United Kingdom.

This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be periodically audited by Veritas Assurance International.

This certificate remains the property of Veritas Assurance International and must be returned on request. In the issuance of this certificate, Veritas Assurance International assumes no liability to any party other than to the client, and then only in accordance with the agreed upon certification agreement. Validity of this certificate may be confirmed at www.veritasassurance.com, directly through QR code by using any device with correct information or email to admin@veritasassurance.com.



VERITAS ASSURANCE INTERNATIONAL ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

www.veritasassurance.com





IN-COUNTRY VALUE CERTIFICATE

Certificate ID: **104636**

Issue Date: **30.03.2021**

Valid Until: **24.05.2021**

METRIC TECHNOLOGIES L.L.C.

24.39%

Company General Information

License No.: **CN-1674035**

Company Type: **SME in UAE**

Financial Year End Date: **31.12.2019**

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

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



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 access 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 or 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 3rd party inspector's at 6th 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 all 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
- ☐ Al Ahliya. Hospital, Abu Dhabi
- ☐ Al Noor Hospital, Abu Dhabi
- ☐ New Medical Center, Abu Dhabi

02 - 6335522
02 - 6267267
02 - 6265265
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?



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Insurances

Insurance House P.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.ع - P.S.C

دار التأمين ش.م.ع

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

POLICY NUMBER	: DP/01/5004/21/00108
COVER	: General Third Party Liability Insurance - Annual
INSURED	: M/s. Metric Technologies LLC
ADDRESS	: P. O. Box No. TBA, Abu Dhabi, United Arab Emirates
BUSINESS	: System Integration, Home Automation, Security & Telecommunication Solutions
INTERESTS	: Legal Liability of the Insured towards third party bodily injuries or property damages arising out of business activities mentioned below at Insured's Office Located at Al Manara Pharmacy Building, 401, 4th Floor, Khalifa Street, Abu Dhabi, U.A.E. and within U.A.E. (excluding offshore): "System Integration, Home Automation, Security & Telecommunication Solutions." (approx. No. of Project Per Year: 10)
LIMIT OF INDEMNITY	: AED 1,000,000/- any one occurrence and in the annual aggregate
PREMIUM	: "AS AGREED"
ESTIMATED ANNUAL TURNOVER	: Dhs. 10,000,000/-
PERIOD	: Twelve (12) Months From 26/03/2021 To 25/03/2022 (Both Days Inclusive) (subject to no known or reported loss till 13/04/2021)

The following endorsements/clauses/exclusions/special conditions/warranties are forming part of this Policy :
DP/01/5004/21/00108

* Excluding D & O

* Including Liability arising out of Fire/ Explosion for which insured is legally responsible

* Including Legal & Defense costs within limits

* Arbitration Clause No. 2

In case any difference or dispute arises between both parties as to the amount of any loss or damage such difference or dispute

WORKMEN'S COMPENSATION (WCA)
SCHEDULE

Policy Number	: 100/2113/21/20/00042/01	Issue Date	: 21-MAR-2021 00:00
Name of Insured	: METRIC TECHNOLOGIES LLC &/OR METRIC TECHNOLOGIES LLC - DUBAI BRANCH		
Address	: ABDULLAH BIN SHIBAN BLD OFFICE NO 401, KHALIFA STREET, P. O. BOX 3155, ABU DHABI, UNITED ARAB EMIRATES.		
Period of Insurance	: From : 18-MAR-2021 00:00 To : 17-MAR-2022 23:59 (Both Dates Inclusive)		
Interest Insured	: EMPLOYEES OF THE INSURED ENGAGED IN THEIR NORMAL WORK ACTIVITIES		
Cover	: WORKMEN'S COMPENSATION AS PER PROVISIONS OF THE UNITED ARAB EMIRATES FEDERAL LABOUR LAWS AS APPLICABLE		
Estimated Total Wages	: AED 1,016,400.00		
Employer's Liability Limit	: AED 1,000,000/- ANY ONE OCCURRENCE		
Total Premium	: As Agreed		
Jurisdiction	: UNITED ARAB EMIRATES		
Territory	: UNITED ARAB EMIRATES (ONSHORE ONLY)		
Cancellation Clause	: 30 days		

Details of Insured Employees

Occupation of Employees	Estimated no of Employees	Estimated Total Wages
EMPLOYEES OF THE INSURED	AS MAY BE EMPLOYED	AED 1,016,400.00

Conditions/Exclusions/Warranties.

- WC053 - BUSINESS ACTIVITY
- WC003 - EMPLOYER'S LIABILITY LIMIT UP TO AED 1,000,000/- ANY ONE OCCURRENCE
- WC002 - MEDICAL AND INCIDENTAL TRANSPORTATION EXPENSES FOR TREATMENTS AT GOVERNMENT HOSPITALS / CLINICS AND IN PRIVATE HOSPITALS / CLINICS WITHIN UNITED ARAB EMIRATES SUBJECT TO THE LIMIT AED 25,000/- PER EMPLOYEE PER INJURY
- WC004 - REPATRIATION EXPENSES DUE TO DEATH OR ON MEDICAL ADVICE FOLLOWING WORK RELATED ACCIDENTS INCLUDING COST OF ESCORT UP TO A LIMIT OF AED 10,000/- PER PERSON
- WC007 - COVER FOR NON-OCCUPATIONAL ACCIDENTS (24 HOURS COVER) - DEATH AND PERMANENT TOTAL DISABLEMENT ONLY SUBJECT TO STANDARD PERSONAL ACCIDENT EXCLUSIONS
- WC011 - NOTICE OF CANCELLATION 30 DAYS
- WC050 - PRIMARY INSURANCE CLAUSE AS AND WHEN CONTRACTUALLY REQUIRED
- WC051 - WAIVER OF SUBROGATION AS AND WHEN CONTRACTUALLY REQUIRED
- WC057 - PREMIUM PAYMENT WARRANTY - 90 DAYS
- WC054 - NON LIABLE PERIOD
- WC055 - LMA 5396 COMMUNICABLE DISEASE EXCLUSION
- WC056 - ADDITIONAL EXCLUSIONS

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Policy No :- 100/2113/21/20/00042/01



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Organizational Chart

