# PRE–QUALIFICATIONDOCUMENT



# S.M.E ELV SOLUTION

## S.M.E Provides Affordable Information Technology Infrastructure Solutions



# A PART OF METRO GROUP OF COMPANIES

**SAOOD MASOOD ELECTROMECHANICAL LLC**

**P.O Box** 77670 Rashidiya, Dubai, UAE | **Phone:** +971 4 2862284 | **Email:** info@sme-gulf.com | **Web:** www.sme-gulf.com

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# ABOUT US

S.M.E is an Information Technology Consulting Solution Provider that specializes in delivering technology solutions to meet the needs of our client. S.M.E maintains a fundamental excellence that is evident in everything we do.

S.M.E is totally focused on entire ELV for building industry all over UAE. S.M.E Infrasys is a leading Systems Integrator focusing on the Consultancy, Design, Deployment and Maintenance of all ELV (Extra Low Voltage) based on Conventional & IP network switching infrastructure.

Years of hands-on experience enables our ELV Consultants and System Designers to provide immediate suggestions in face to face meetings with our clients leading to comprehensive turnkey solutions.

# OUR MISSION

Our mission is to help our clients expand their horizons and achieve results beyond initial expectations. We work through the infinite possibilities, so we can deliver predictable results using custom-built solutions. We endeavour to form long-term satisfied client relationships based on mutual trust and respect.

# OUR VISION

To emerge and establish ourselves as the global leader in Extra Low Voltage, Low Current and Security Solutions Systems to our esteemed clients within the Middle East.

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# WHAT WE DO?

**S.M.E** is totally focused on providing "Turnkey Solutions" for following Systems:

- ✓ Surveillance, Public Security System CCTV & FRS Intelligent

- ✓ Access Control System

- ✓ Audio/Video Intercom Systems

- ✓ IPTV & VOD (With Content Delivery)

- ✓ Public Address System

- ✓ PABX

- ✓ Gate Barriers & Garage Systems

- ✓ Building Management Systems (BMS)

- ✓ Car Parking Management, Pay System & NPR Structured Connectivity System

- ✓ Hotel Interactive Television

- ✓ Head End & Building Distribution System

- ✓ GPON

Our services can be scaled up from basic resource to completely managed services and products:

- ✓ Project Consultancy Services

- ✓ Systems Analysis, Design, & Development

- ✓ Implementation

- ✓ Systems Integration

- ✓ Software & Hardware

- ✓ Integration & Technical Support

- ✓ Design and Budget Planning

- ✓ Product Training Services

- ✓ Hardware Supply

- ✓ Additional Electrical Supplies

- ✓ Cable Trays & Trouncing, Conduits & Pipes, Power Cables & Accessories, Fire Cables, Wiring Accessories, UPS, Light Fixtures, Lamps, Distribution Panels, Generators.

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## STRUCTURED CABLING SYSTEM

Structured Cabling provides the critical backbone of a communication system. S.M.E understands the complex issues involved in planning, installing and maintenance.

We provide our clients with the commitment that their telecommunications infrastructure, no matter how complex, will be designed, constructed, and installed to meet current and future requirements.

## OUR SERVICES:

- ✓ Design and Install Value- Engineered Solution
- ✓ Fluke Test and OTDR
- ✓ Design of Cabling System
- ✓ Fiber Optic Cabling with Splicing
- ✓ Copper Cabling with Termination
- ✓ Support and Maintenance

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## CCTV SYSTEM

S.M.E provides efficient and complete security solutions for companies, responsible for their threat protection and people safety.

Our success is backed by a strong business-oriented philosophy, providing protection, safety and security solutions to all security pre-qualified dealers, security firms and organizations.



OUR SERVICES:

✓ Analogue and IP CCTV System

✓ Automatic Number Plate Recognition

✓ Digital and Network Video Recordings

✓ Design of Security Services with SIRA Approval

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## IF/RF SMATV & IPTV SYSTEM

SMATV can be used for multi-dwelling units (MDU's), hotels, campuses, hospitals and commercial properties with multiple tenants. It is often found in temporary lodging facilities. A SMATV headed is used to receive and rebroadcast Satellite TV channels throughout a property from a single satellite feed.

There are several methods of distribution that is often used in a SMATV headed including: IPTV (Internet Protocol) TV Systems: Encrypted HD Headed and L-Band Satellite TV Distribution.



## OUR SERVICES:

- ✓ Set-Top Box (STB)
- ✓ Set-Top Unit (STU)
- ✓ VOD (Video On Demand)
- ✓ SMATV/IPTV Design and Installation

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# INTERCOM SYSTEM

An intercom is an electronic communications system within a building or group of buildings.

Intercoms are generally composed of fixed microphone/speaker units which connect to a central control panel. A small home intercom might connect a few rooms in a house. Larger systems might connect all of the rooms in a school or hospital to a central office.

Intercoms in larger buildings often function as public address systems, capable of broadcasting announcements. In many schools, tones signalling the change of classes are sounded over the intercom, taking the place of the electromechanical bells used in older schools.

## OUR SERVICES:

- ✓ Audio/Video Intercom
- ✓ Wireless Intercom
- ✓ Door Phone System
- ✓ Intercom System Integration

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## ACCESS CONTROL SYSTEM

Access control systems allow authorized employees entry and exit out of various parts of your business. They can range from simple electronic keypads that secure a single door to large networked systems for multiple buildings that include parking lot gates, integration with time and attendance systems, and multiple levels of security.

The increased security provided by a modern access control system is important to many types of businesses - and for businesses working with government contracts, it's often a requirement.
However, they also greatly simplify management of your facility: no need to replace lost keys, hunt down old keys from terminated employees, or wonder who has access to which areas.



OUR SERVICES:

✓ Time Attendance System

✓ Biometric System

✓ ID Badging

✓ Turnstile Gates

✓ Apartment/Hotel Door Access

✓ Complete Door Accessories



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# PABX SYSTEM

S.M.E has vision, that whatever the size of your business, you should be able to benefit from a telephone system that makes you as efficient and professional as possible, without having to pay the premium associated with much larger systems.

S.M.E will design a solution to provide everything you need in a compact, reliable modular package, and as a result is perfect if you are running a small business, a subsidiary office of a larger organization or for residential applications.



## OUR SERVICES:

- ✓ IP Telephonic Systems
- ✓ PSTN Integrations
- ✓ Analogue and Digital Systems
- ✓ SIP Trunk Remote Connectivity

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# GATE BARRIER AND PARKING SYSTEM

Gate barriers help you keep a grip on access to your company premises or factory car park. No authorized "visitor" can come in. Special barriers have been designed for multi-story car parks, hotel garages, campsites, custom points and tollgates. Various models are available with barrier boom lengths from 1 metre to 10 meters and closing time from 8 to only 0.6 seconds. In short, we have the right solution for every application.

OUR  SERVICES:

✓ Automatic Barriers

✓ Service and Maintenance

✓ Parking Management Systems

✓ Automatic & Remote Controls

✓ Long Range RFID Card Reading

Technology

✓ Turnstiles

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## PA & AV SYSTEM

S.M.E provides comprehensive system design, installation, and support services for projects of all levels of complexity for audio visual systems and solutions.

We provide solutions for corporate, government, legal and education markets, among others, and are unique in the way that we have a core competency in two of the most challenging technical arenas, conferencing and controls.



### OUR SERVICES:

- ✓ Projectors
- ✓ Video Conference
- ✓ Digital Signage Solution
- ✓ Public Address System (PA)
- ✓ Back Ground Music

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# WIFI SOLUTION AND ACTIVE COMPONENTS

If your business needs to support increasing numbers of mobile devices, cloud-based applications or rising user expectations, you'll find this useful.

Internet of Things (IoT) adoption in the enterprise is fostering an explosion of devices connecting to the network.

## OUR SERVICES:

- ✓ RF Solutions
- ✓ Laser Connectivity Solutions
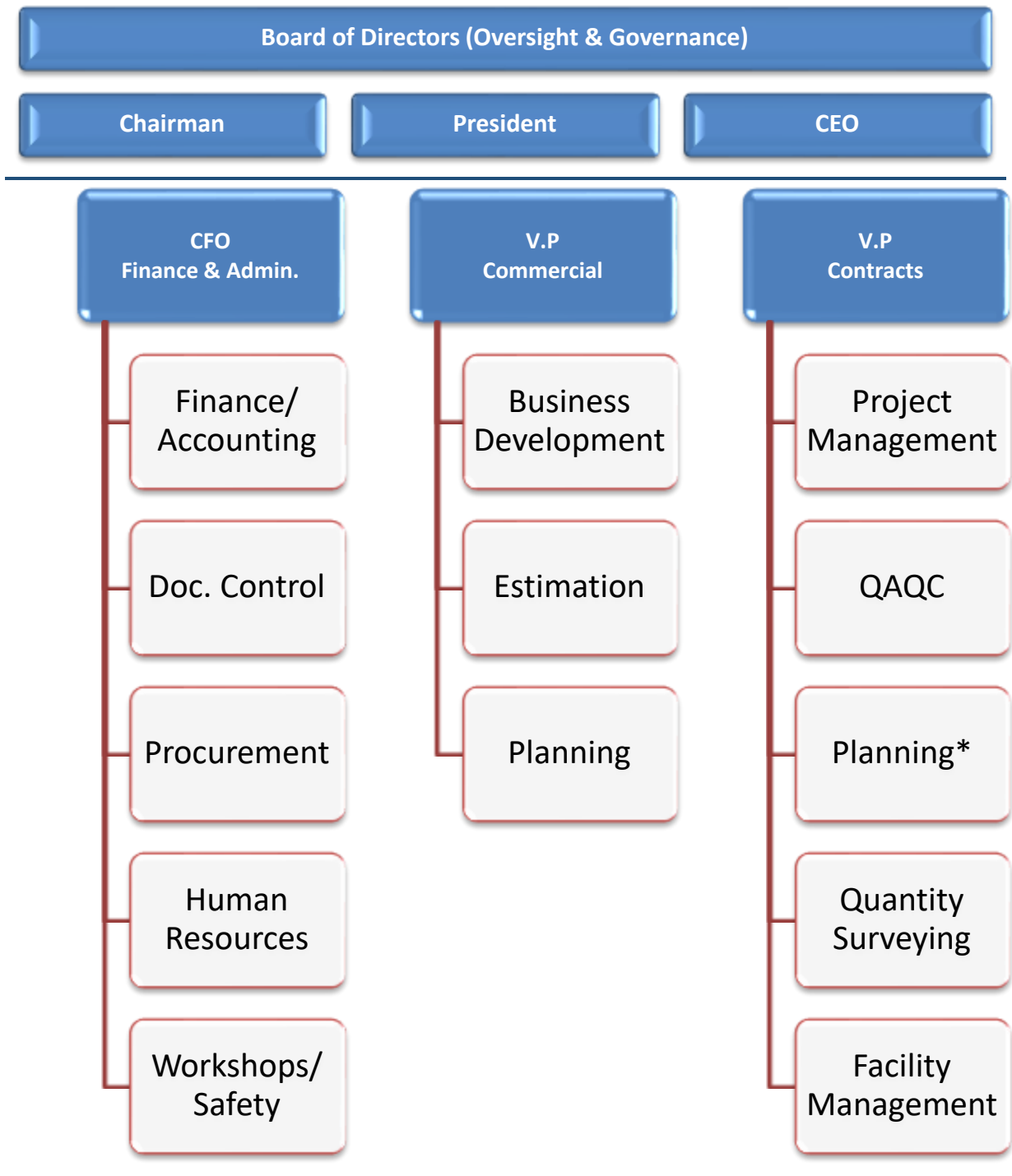- ✓ Wireless Solutions (Indoor/Outdoor)
- ✓ WAN Bandwidth Enhancing Solutions

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## OTHER SERVICES AND PRODUCTS OFFERED

- ✓ Information Security

- ✓ Information  and Communication Technology Solution

- ✓ Data Centre Solution

- ✓ Server and Storage Solution

- ✓ WAN Bandwidth Enhancing Solution

- ✓ Racks and Network Cabinets Solution

- ✓ IT Managed Services

- ✓ Solar System

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## Organization Chart

**Board of Directors (Oversight & Governance)**

| Chairman | President | CEO |
|---|---|---|

| CFO<br>Finance & Admin. | V.P<br>Commercial | V.P<br>Contracts |
|---|---|---|
| Finance/ Accounting | Business Development | Project Management |
| Doc. Control | Estimation | QAQC |
| Procurement | Planning | Planning* |
| Human Resources | | Quantity Surveying |
| Workshops/ Safety | | Facility Management |

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# Project References



Project: Emirates Tower

Systems: Structured Cabling

Installation: Worked as a Subcontractor



Project: HSBC

System: Parking & Access Control



Project: Mall of the Emirates

System: Structured Cabling of

(CCTV, ACS, Intercom, BMS & AV)



Project: Metropolitan Hotel

System: Structured Cabling of

(CCTV & Access Control)

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# Project References





Project: Dubai Marina 7 Towers

Systems: Structured Cabling of

(CCTV, ACS, Burglar Alarm, Parking management

& Intercom)

Project: Emirates Post

System: Structured Cabling

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# Clients

| Metro Group of Companies has worked in UAE in the past years for Clients |
|---|
| **UAE Armed Forces** |
| **Technip – Al Dabay Al Ramaitha** |
| **Etisalat – Dubai Northern Emirates** |
| **Dubai, Sharjah & Abu Dhabi Airports** |
| **Ministry of Foreign Affairs _UAE** |
| **Abu Dhabi Water & Electricity Authority  (ADWEA)** |
| **Ministry of Interior UAE** |
| **Dubai Electricity & Water Authority (DEWA)** |
| **Qatar Gas – Doha Qatar** |
| **Federal Electricity & Water Authority (FEWA)** |
| **DU Telecom** |
| **UAQ Municipality** |

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# S.M.E Equipment Technical Details

| Category | Brand | Model | IMAGE |
|---|---|---|---|
| SPLICER MACHINE | ERICSSON | FSU-975 |  |
| FIBER CLEAVER | SUMITOMO | FC6M |  |
| FIBER CLEAVER | MAX | CI-01 |  |
| OPTICAL TEST SYSTEM | NETEST | CMA-4000 |  |
| FUSION SPLICER | SUMOTIMO | T-39 |  |
| OTDR MACHINE | WAVE TEK | MTS5100 |  |

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## S.M.E Equipment Technical Details

| Category | Brand | Model | IMAGE |
|---|---|---|---|
| RIBBON SPLICER | SUMITOMO | T-66 |  |
| FUSION SPLICER | ERICSSON | FSU-995 FA |  |
| FUSION SPLICER | FUJIKURA | 50S |  |
| FLUKE TEST MACHINE | FLUKE | DTX-1800 |  |
| OTDR | JDSU | MTS600&MTS5000 |  |

**All Equipment is in working order with a copy of the current and up to date calibration certificates**

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## Strength & Human Resource

| | |
|---|---|
| Management | 15 |
| (Electrical / Civil / ELV) Engineers | 08 |
| CCTV SIRA Certified Engineers | 02 |
| CCTV SIRA Certified Technician | 02 |
| Project Coordinator | 02 |
| Presales Engineer | 02 |
| Foreman | 12 |
| Carpenter | 20 |
| Masons | 25 |
| Plumber | 04 |
| Driver | 08 |
| Steel Fixer | 15 |
| Helper | 50 |
| Electrician | 08 |
| Pipe Fitter | 06 |
| A/C technician | 04 |
| Telecom / Fiber Optic Technician / Supervisor | 10 |
| | **193** |

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# Equipment and Machinery

| | | |
|---|---|---|
| 1. | Portable Traffic Light with Battery | 50 |
| 2. | Portable Warning Light with Battery | 50 |
| 3. | Portable Signal Light with Battery Traffic Barrier | 25 |
| 4. | Welding plant | 02 |
| 5. | 1000 Gallon Water Tanks @ site. | 02 |
| 6. | Wheel Loader | 04 |
| 7. | Dumper Dump Truck, | 02 |
| 8. | 20 Tons Lorry mounted crane | 01 |
| 9. | 25 Tons capacity Mobile Crane | 01 |
| 10. | 3T capacity Low side truck | 02 |
| 11. | Mobile generator 250kVA | 01 |
| 12. | Mobile generator of 25kVA | 01 |
| 13. | Mobile concrete mixer 1m3 capacity | 02 |
| 14. | Bob Cat / Fork Lift | 02 |
| 15. | Generators | 06 |
| 16. | Vibrators | 04 |
| 17. | Compactor | 06 |
| 18. | Wood Cutter | 04 |
| 19. | Compressor | 02 |
| 20. | Tile Cutter | 06 |
| 21. | Water pump | 06 |
| 22. | Scaffolding | 4000 sq. Mts. |
| 23. | Scaffolding (Light Weight X Frame) | 1800 Sq.mts |
| 24. | Jacks | 5000 |
| 25. | Electrical Hand Tools | Various |
| 26. | Car 4x4 | 12 |
| 27. | Bus | 08 |
| 28. | Pick Up | 06 |
| 29. | Fiber Splicing Machine | 06 |
| 30. | OTDR | 04 |
| 31. | Fiber Testing Equipment | 04 |
| 32. | Fluke Tester for UTP Cable | 01 |
| 33. | Splice Van | 02 |
| 34. | Laser Source Power Meter | 01 |
| 35. | Cable Drum Jacks | 06 |
| 36. | Duct Pulling rods | 04 |
| 37. | Cable Pulling Winch | 01 |
| 38. | Cable Trailer | 02 |

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