

# EMBRACING THE FUTURE OF ENGINEERING





# ABOUT AFAQ

Afaq Al Khaleej Engineering Resources LLC, established in 1996 in Abu Dhabi, with offices now spread across Dubai & Sharjah. Also falling under AFAQ's umbrella are fully owned companies in the Sultanate of Oman, State of Qatar and India.

Over a period of more than 2 decades, we have gained respectable recognition as a "ONE STOP" provider of products and services to power utilities around UAE and beyond. This is complemented by our successful prequalification with a majority of Power, Water, Oil and Gas, Telecom Utilities and Ministries, Government and Semi-Government Autonomous Authorities that have endorsed us as a quality provider of resources and services in the industry. This success is further strengthened with the support of our global supply chain partners and manufacturers.

## OUR VISION

To be the premier providers of Electrical, Mechanical, Industrial, Automation and Communication, Building Materials and Construction Equipment for our Customers and Principals in the UAE and the Middle East region.

## QUALITY COMMITMENT

Provide the best logistics and after-sales services to the best industrial standards in line with the products specifications and project requirements.

## AREAS OF OPERATION

- Power Generation, Transmission and Distribution Security
- Industrial Electronics & Telecommunication
- Building Solutions and Materials
- Industrial and Infrastructure Projects
- Industrial Consumables and Raw Materials
- Electro Mechanical Equipments for Petrochemical Industries

## OUR MISSION

To provide high-end, uncompromised professional service to our partners in development projects, to honor their trust in us at all times and contribute to the growth of this Nation with diligence, dedication and commitment for a better tomorrow.

## INTERNATIONAL CREDENTIALS

Afaq Al Khaleej represents some of the foremost manufacturers and industrial groups, who are renowned in their field of expertise. Together with the support of our partners and principals as well as the coordination of our own office in Oman, Qatar and India, we are empowered to offer our clients a comprehensive package of equipment tailor-made to suit specific project requirements.

## SERVICES TO OVERSEAS PARTNERS

Market survey, Vendor pre-qualification, Sales and after-sales, Participating in Government and Public tenders, Back office engineering services, Procurement and logistics service for projects on turnkey basis, Joint venture and sub-contracting turnkey projects.

## AREAS OF SERVICES



### EPC

We offer Engineering, Procurement and Construction (EPC) services on major projects. With the expertise, capability & resources, we undertake projects in partnership with well represented and experienced international partners in specific field as required by the project owners.



### Installation & Integration

We provide system installation and integration services through our integration facility. This includes complete build, factory acceptance testing, quality checks, customer tests, site acceptance testing and commissioning. Afaq has expertise in various technological fields including SCADA, AMI, DMS, Telecommunication, Automation and more.



### Testing and Commissioning

We provide testing and commissioning to a variety of projects. These can include high voltage equipment requiring specialized knowledge to highly technical automation systems which would require proper software knowledge. Our teams understand the constraints of working within short shutdown time periods to test and commission systems with minimum outage to customers.



### After-Sales Service

We provide after-sales support services to our international partners. The services include having qualified technicians available for servicing equipment, local repairs, troubleshooting, spare supply and customer support.

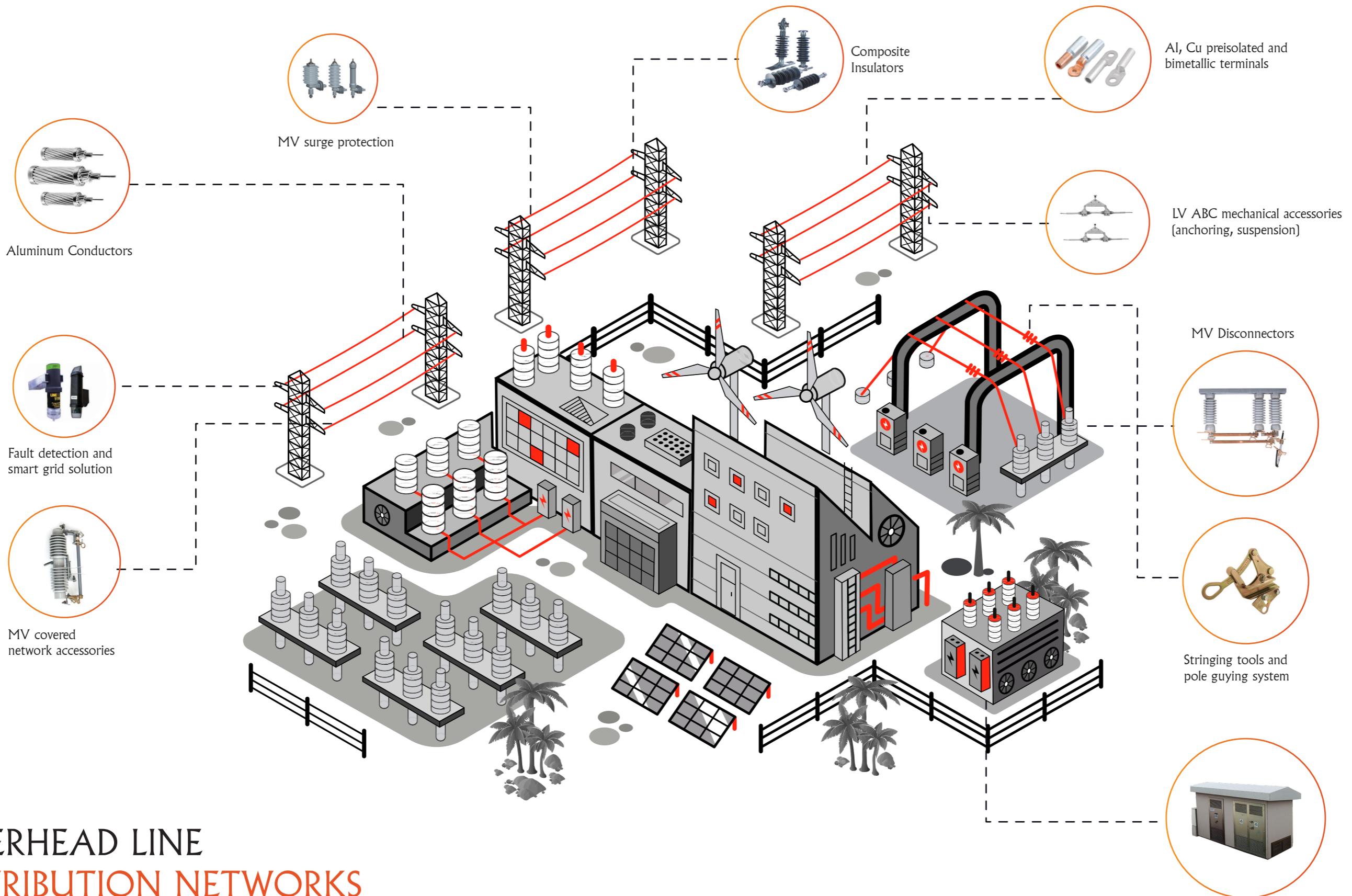


### Training

Training is an essential part of any project delivery. We are pleased to offer on-site or factory training at our local facilities. The instructors are experienced with strong product knowledge and background. Training is conducted on demand or as part of an ongoing schedule.



# AREAS OF OPERATION



OVERHEAD LINE  
DISTRIBUTION NETWORKS

# DELIVERING EXCELLENCE



## OHL & ACCESSORIES

Wooden Poles — Single & H Poles  
Kicking Blocks  
Distribution & Transmission Monopoles  
Aluminum Conductors  
OPGW Conductors & Accessories  
Hardwares & Fitting for OHL up to 800 KV line  
Switches — VMS, MHS, VMSF for 11 KV & 33 KV  
Drop Out Fuses  
Covered Conductors  
Stringing Equipment



## POWER CABLES ACCESSORIES

Straight Through Joints  
Indoor & Outdoor Terminations  
Heat/Cold Shrinkable Right Angle Boots  
Heat/Cold Shrinkable Breakouts  
Heat/Cold Shrinkable Strain Relief Sheds  
Plug-in Type Terminations  
Transition Joints  
Cable Lugs & Glands  
Cable Management Systems  
Cable Preparation Tool Kits  
Jointers Safety Systems

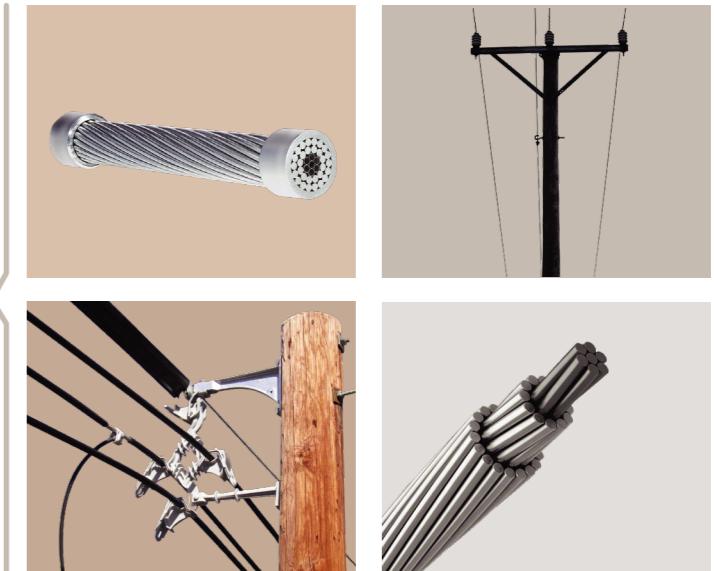
## POWER CABLES

Power Cables — LV/MV/HV/EHV  
Fiber Optic Cables  
OPGW Wires  
Communication Cables  
Marine Cables  
Instrumentation Cables  
Industrial Cables  
Fire Resist Cables



## CONDUCTORS

Aluminum Conductors — AAAC, ACSR  
High Conductivity Power Conductors  
Copper Conductors — Hard & Soft Drawn  
Earth Conductors — Al Clad & Cu Clad  
OPGW Conductors  
Insulated Conductors  
Spacer Systems



## FAULT INDICATORS

Intelligent directional fault indicator for 6-132 KV overhead lines  
Intelligent directional fault current indicator for 10-33 KV underground cable  
Communication module for the indicators for remote fault monitoring  
Software to integrate to SCADA network

## POWER GENERATION

Gas Engine Gen-sets — Mobile & Stationary  
Diesel Engine Gen-sets — Mobile & Stationary



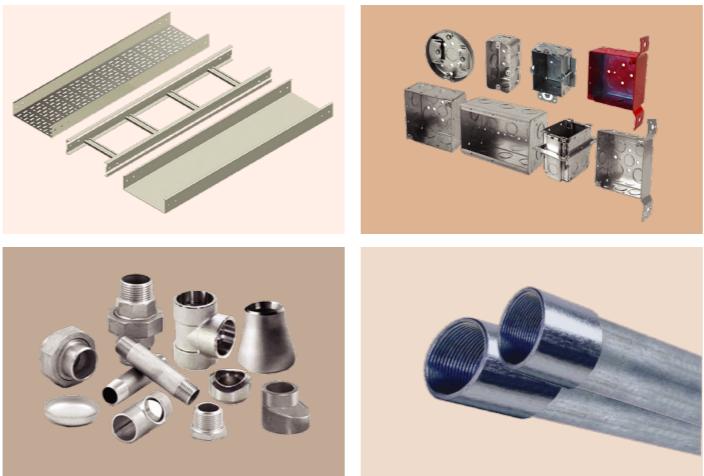
## SUBSTATION

Power Transformers - 132 KV & above  
Shunt Reactors - up to 800 KV  
Package Substations - 33 KV & above  
Mobile & Stationary  
Cast Resin Dry Transformers - up to 33 KV , 25 MVA  
GIS Switchgears - up to 33 KV  
AIS Switchgears - up to 22 KV  
RMUs - up to 33 KV  
Capacitor Bank - from 33 to 132 KV  
DC Systems - 48 & 110 V



## LV DISTRIBUTION

LV Distribution Boards  
Feeder Pillars & Service Cabinets  
Street Lighting Control Cabinets  
LV Connection Equipment  
Accessories for LV Overhead Lines  
DC Systems up to 500 KV  
DC Converters and SMPS  
Battery and Battery Chargers  
UPS Systems

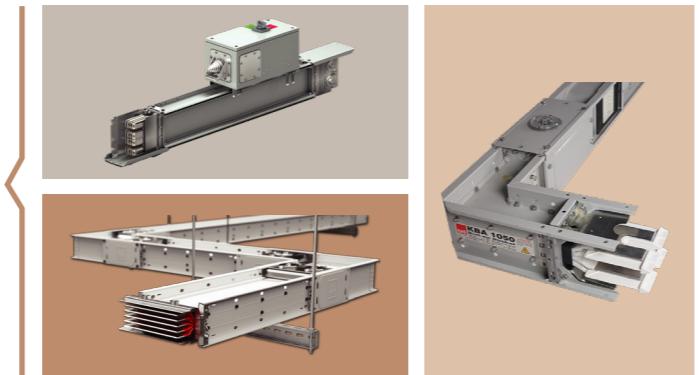


## CABLE MANAGEMENT

GI Conduits & Accessories  
PVC, GI Back Boxes, Adaptable Boxes  
Junction Boxes – IP rated  
Cable Tray, Ladders & Baskets  
Cable Trunking  
Under Floor Trunking & Boxes

## BUSBAR RAISERS

Ratings - 160 A to 6300 A  
Feeder & Distribution Busbar  
Fully ASTA Tested & Certified  
Operating Temperatures to IEC60439\_2  
Low Impedance Sandwich Construction  
Aluminium Housing  
Copper or Aluminum Conductors  
IP54 -IP 65 Degree of Protection



## WIRING ACCESSORIES

Switches & Sockets  
Residential & Industrial  
Weatherproof Accessories  
Lightning Accessories  
Ceiling Accessories  
Portable Power Solutions



## EARTHING MATERIALS

Earth Rods & Accessories  
Lightning Protection  
Exothermic Welding  
Clamps & Connection Accessories  
Surge Protection Devices & Solutions  
Soil Conditioning Agents



## POWER RESISTORS

Neutral Earthing Resistors  
Harmonic Filtering Resistors  
Resistors for starting & breaking of drive motors  
Generator Neutral Resistors  
Load bank for dissipation of high power levels  
Motor Control Resistor



## ENCLOSURES

Pit Mounted Modules Waterpillars  
Underground Boxes - Water Meter  
Metering Boxes & GRP Enclosures



## LIGHTING & MANAGEMENT

Street Lighting Poles & Luminaires  
Tertiary/Domestic Luminaires  
Industrial Luminaires  
Garden & Bollard Lights  
Control Cabinets  
Lighting Management  
Switch Sensors  
BUS/SCS System Sensor



## SMART CITY

### ELECTRICITY METERS

Residential meters & CT meters

Single phase meters with disconnection facility and single/multi tariff system  
Three phase meters with disconnection facility and single/multi tariff system

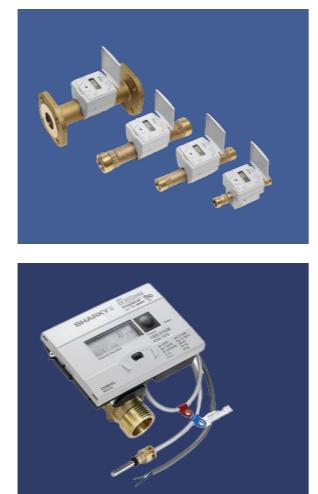
Prepayment meters and single/multi tariff system

CT meters for industrial purposes with single/multi tariff system



### WATER METERS

Ultrasonic meter  
Electromagnetic meter  
Multi jet meter  
Bulk water meter  
Real data communication  
Open metering telegram  
Long term stability under difficult conditions  
Unlimited system capability  
Leak detection  
No measurement of air  
Insensitive against sedimentation  
Suitable for outdoor installation  
Displaying of error and alarm codes

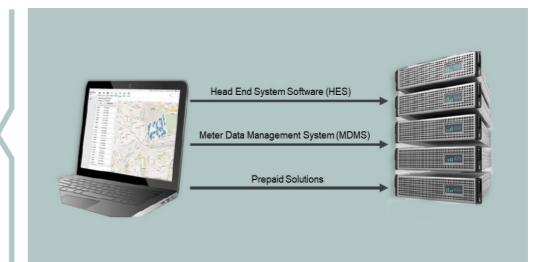


### FUEL METERS

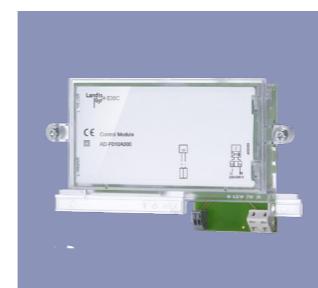
PD Meters  
Master Meters  
Turbine Meters  
Measuring Systems for Depots  
Terminal Automation System for Depots  
Fuel Dispensers  
Metering Solution for Aviation Fuel

### METERING SOLUTIONS

Supply of electricity and water meters  
Installation of electricity and water meters  
Testing and commissioning of electricity and water meters  
Supply of communication equipment's essential for AMI system  
Installation, testing and commissioning of AMI communication equipments  
AMI software



### COMMUNICATION SOLUTIONS



PLC  
BPLC  
M-bus  
Radio  
RF MESH



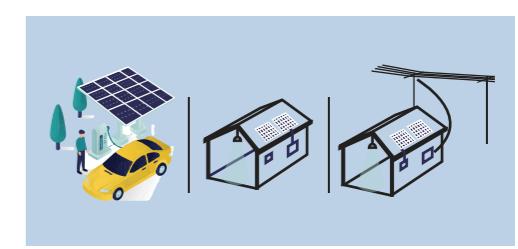
### ELECTRICAL SMART GRIDS MANAGEMENT SYSTEMS

Electrical remote control units and monitoring units  
MV & LV Grid Management  
Electrical MV network supervisory units  
DC Power Backup



### VEHICLE CHARGING TERMINALS

Access Terminal — Twin/Shared Terminal  
Pixel Boxes — Twin /Shared Terminal  
City Terminal — Twin/Shared Terminal  
Connection Terminal — Twin/Shared Terminal  
Sockets and Connectors for Charging



### SOLAR SYSTEM

Power Plants  
Pumping Systems  
Parking Systems



## SIGNATURE STYLE MEETS IMAGINATION

### BASINS



- Countertop Basins
- Freestanding Basins
- Integrated Basins
- Undercounter Basins
- Semi-recessed Basins
- Wall Mounted Basins
- Inset & Semi-inset Basins
- Basin Accessories
- Medical & Supportive Basins

### BATHING



- Freestanding Baths
- Inset Baths
- Whirlpools
- Bath Accessories
- Bath Screens

### WCS



- Wall Mounted WCS
- Back To Wall WCS
- Close Coupled WCS
- Rimless WCS
- Concealed Cisterns
- Flush Plates
- WC Accessories
- Bidets
- Urinal Bowls & Accessories
- Medical & Supportive WCS

### SHOWERING



- Chromotherapy Shower Heads
- Shower Heads
- Shower Columns
- Shower Mixers
- Thermostatic Shower Mixers
- Hand Shower & Slide Rail Kits
- Enclosures & Trays
- Drains & Channels
- Shower Accessories
- Water Saving & Safety

### TAPS



- Basin Mixers
- Bath Mixers
- Spouts
- Bidet Mixers
- Bidet Spray Mixers & Kits
- Sink Mixers
- Sensor Taps & Mixers
- Pillar & Push Taps
- Mixers
- Medical & Supportive

### KITCHEN



- Bar Sinks
- Kitchen Sinks
- Fireclay Sinks
- Kitchen Mixers
- Cleaners Sinks
- Water Filters

### TILES



- Slabs
- Floor Tiles
- Wall Tiles
- Mosaic
- Outdoor Tiles

### ACCESSORIES



- Tumblers
- Soap Dishes & Dispensers
- Toilet Roll Holders
- Toilet Brushes & Mirrors
- Shower Baskets
- Towel Accessories
- Accessory Packs
- Ir Dispensers & Hand Dryers
- Washroom Accessories
- Medical & Supportive Accessories

### FURNITURE



- Vanity Units
- Storage Units
- Countertops & Shelves
- Mirror Cabinets
- Furniture Accessories

### PLUMBING



- Traps
- Angle Valves
- Water Pumps
- Flexible Hoses
- Pipes & Fittings
- WC Connections
- Cistern Mechanisms
- Fillers & Sealants
- Adhesives



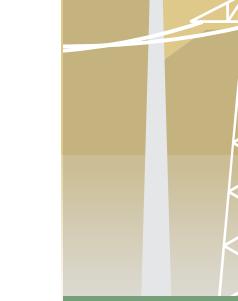
## HAND TOOLS

1000 V Insulated Tools  
Stainless Steel Tools  
Automotive Tools  
Pliers  
Torque Tools  
Measuring Tools  
Pipe Wrenches  
Screwdrivers  
Socket Sets  
Spanners  
Hammers



## POWER TOOLS

Cordless Tools  
Drills & Fastening  
Metal Working Tools  
Rotary & Demolition Hammers  
Wood Working Tools  
Impact Wrenches  
Sawing & Cutting Tools  
Grinders & Polishers  
Accessories



## MEASURING INSTRUMENTS

Earth Resistance Tester  
Digital Insulation Tester  
Secondary Injection Kits  
Partial Discharge Monitor  
Dielectric Test Kits  
Power Analyzer  
AC/DC Clamp  
Meters



## SAFETY KNIVES

Martor Knives  
Secumax Knives  
Secupro Knives  
Secunorm Knives



## TOOL STORAGES

Work Site Boxes  
Backpacks & Tool Cases  
HD Boxes  
Tool Trolleys

## SAFETY EQUIPMENT & PPE

Earthing and Short Circuit Devices  
Voltage Detectors  
Telescopic Sticks  
Insulated Gloves, Boots Etc.  
PPE  
Locking Devices  
Live Working Tools  
Arc Flash Protection Kits



A VENTURE BY AFAQ GROUP

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