

Oil & Gas Solutions



ELSEWEDY
ELECTRIC

**OIL & GAS
SOLUTIONS**


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ABOUT ELSEWEDY ELECTRIC GROUP

A global leader that has evolved from a local manufacturer of electrical products into an integrated infrastructure solutions provider; with over 18,000 employees and with recorded revenues of more than USD 4.8 billion in 2022. We Operate in five key business sectors: Wire, Cable & Accessories, Electrical Products, Engineering & Construction, Digital Solutions, and Infrastructure Investments. With a strong presence in 19 different countries, 31 production facilities spread across African and Asian countries including Egypt, Algeria, KSA, Qatar, Indonesia, Pakistan, and Tanzania. We export a wide range of high-end products to over 110 countries worldwide. At the heart of our approach is an all-in-one integrated Engineering, Procurement & Construction (EPC) service, enabling us to deliver the most complex turnkey projects on time and with the highest efficiency.

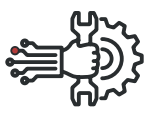
WE OPERATE IN FIVE KEY BUSINESS SECTORS




WIRE, CABLE & ACCESSORIES




ELECTRICAL PRODUCTS



ENGINEERING & CONSTRUCTION



DIGITAL SOLUTIONS



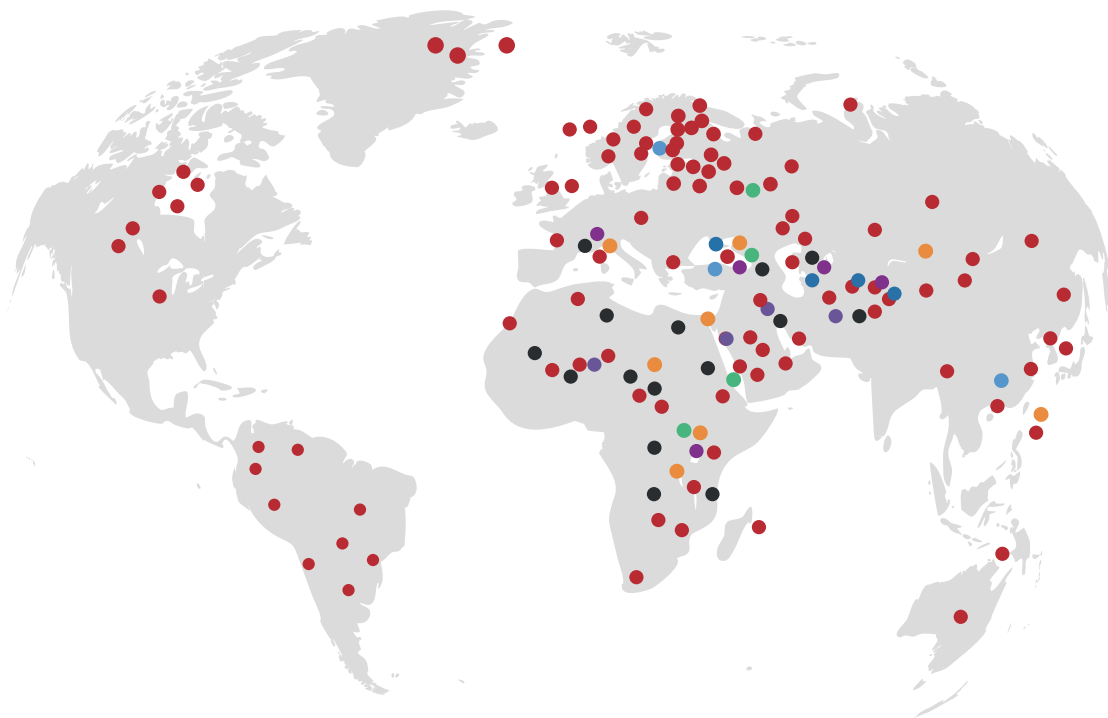
INFRASTRUCTURE INVESTMENTS

Global Presence

✓ **31** PRODUCTION FACILITIES

✓ **19** OPERATION COUNTRIES

✓ **110** EXPORTING COUNTRIES



 Wire, Cable, & Accessories

 Electrical Products

 Meters

 Transformer

 Telecommunication

 Renewable Energy

 Project Development

 Export

ELSEWEDY ELECTRIC OIL & GAS SOLUTIONS

We are an integrated system provider for electrical bulk material, specialized in meeting the tailored requirements of oil & gas petrochemical companies, LNG facilities, nuclear power stations & hazardous projects. Our comprehensive range of products & solutions caters to a wide range of applications, including cables, cable accessories, transformers, cable fittings, earthing & lightning systems, explosion-proof equipment & MV & LV switchgears for both onshore & offshore projects.

Our cutting-edge technology is supported by strategic partnerships with leading equipment manufacturers such as Cortem, CMP, INDELEC & ABB. With our highly skilled expertise, we deliver complete solutions to the oil & gas sector that are cost-effective, innovative & reliable. We engineer & provide support locally & globally, ensuring that our solutions are tailored to meet the specific needs of each project.

To ensure the highest quality standards, our company are certified with ISO 9001, 14001 & 45001, demonstrating our commitment to internationally recognized quality, environmental & occupational health & safety standards.



PORTFOLIO

✓ Hazardous Area Protection

✓ Glands & Fittings "CMP"

✓ Earthing & Lightning Protection

✓ Cable Trays & Grating Systems

✓ Lighting Poles

✓ Cables & Cable Accessories

✓ Electrical Products

HAZARDOUS AREA PROTECTION

EXPLOSION PROOF EQUIPMENT



LED LIGHTING FIXTURE & FLOODLIGHTS SLED SERIES

SLED series floodlights with LED technology combine lightweight, compact design and high performance in terms of reliability, safety, efficiency and energy saving. SLED are characterized by LEDs with optics “square shaped beam” that permits a light distribution and a perfectly uniform lighting in every direction. The finned body of the floodlight acts as a heat sink for the LED plate, allowing the installation of greater light output without incurring the deterioration of the LEDs.

Features:

- Low copper content aluminum alloy body.
- Models available from 122W up to 500W.
- Galvanized steel adjustable bracket.
- “Exe” Internal terminal junction box for fast connection.



LED LIGHTING FIXTURE & EVL SERIES

EVL series has been developed with the aim of redefining the concepts of compactness, versatility and ease of installation thanks to high intensity and efficiency LED plates. EVL series consists of four lighting fixture sizes as it represents the LED alternative for all those areas where it was normal to use lighting fixtures with discharge lamps of low and medium power greater than 400W.

Features:

- Low Copper Content Aluminum Alloy Body.
- Available from 30W up to 220W Flood Light and High Bay. - Stainless steel adjustable Bracket.
- “Ex e” Internal terminal junction box which allows the entry with a ‘Ex e’ cable gland (not barrier).
- The STANDARD of the aluminum alloy passed the tests for hot/humid cycles and salt mist tests.



LED LIGHTING FIXTURES & LIFEX SERIES

LIFEX lighting fixtures are the first LED native linear fixtures, featuring an innovative design created in response to customer requirements, They have an innovative bracket mechanism, with no fixed interaxis spacing limitations, which makes them easy to install or retro-fit and means the lighting fixture can be rotated to $-30^{\circ}/^{\circ}0/^{\circ}30^{\circ}$. The use of high-power LED strip lights provides a lumen output from 1,000 lm to 15,500 lm, making the range highly efficient and long lasting in terms of its electronics and light engineering.

Features:

- Low Copper Content Aluminum Alloy Body.
- Available in two different configurations for different applications, designated as the LifEx-ME and LifEx-MN.
- Models available in normal operation for lamps 15W up to 120W for LifEx-ME and up to 90 W for LifEx-MN.
- Emergency versions with Ni-Mh battery with electronic inverter for up to 3 hours.

HAZARDOUS AREA PROTECTION

EXPLOSION PROOF EQUIPMENT



JUNCTION BOXES EJB-..., EJB...W SERIES

EJB... series junction boxes are used either as junction boxes with/without terminals or for installation of electrical equipment such as circuit breakers, signals, remote control switches and transformers. EJB...W series instrument housing boxes, with one or two circular windows, are suitable for containing analogical and digital measuring instruments.

Features:

- Low copper content aluminum alloy body.
- Stainless steel hinges mounted as standard on the long side with predisposition of mounting on the short side.
- EJB body and cover can be drilled and threaded according to customers' request.



JUNCTION BOXES SA, SA/P SERIES

SA, SA/P series junction boxes are suitable for electrical installations as increased safety boxes or intrinsically safety boxes. SA, SA/P can be supplied with multipolar or modular terminal strips and they can be equipped with pilot lights, push buttons and measuring instruments to assemble control and signaling panels.

Features:

- SA: Low copper content aluminum alloy body.
- SA/P: Black shock and UV resistant fiberglass reinforced body.
- SA is available in lightweight and heavy-duty series.
- SA/P can be included with brass continuity plate for earthing.
- SA,SA/P can be drilled according to customers' request.



JUNCTION BOXES CTB... SERIES

CTB...CSTB series junction boxes in stainless steel are suitable for electrical installations as increased safety or intrinsically safety boxes. CTB...CSTB can be supplied with multipolar or modular terminal strips and they can be equipped with pilot lights, push buttons and measuring instruments.

Features:

- AISI 316L Stainless steel body.
- Stainless steel hinges (included on CTB series, not included on CSTB series).
- Can be supplied with removable gland plates and padlocking system (Upon request).
- CTB...CSTB can be drilled and threaded according to customers' request.

HAZARDOUS AREA PROTECTION

EXPLOSION PROOF EQUIPMENT



PLUGS AND SOCKETS PY, SPY SERIES

PY series sockets are equipped with an interlocked disconnecting switch, and are suitable for every explosive atmosphere. PY are joined up to SPY plugs, and the electric circuit is connected only after the SPY series plug has been correctly inserted into its seat, and ensures it can only be removed once the electrical circuit has been disconnected.

Features:

- Low copper content aluminum alloy body.
- Current rating from 16A up to 32A.
- The range include 2P+E, 3P+E and 3P+N+E.



CONTROL STATIONS A, I, P SERIES

P and I series control stations are suitable for housing electrical command and signal devices. They can be installed both onboard the machine or remotely, and are used in the chemical, petrochemical and pharmaceutical industries.

Features:

- A series is in aluminum alloy, I series is in Stainless Steel while P series is in glass reinforced resin.
- A, I, P series are supplied with cable gland.
- Wide range of models and accessories available.
- Stainless steel screws.



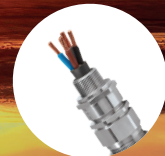
OBSTRUCTION LIGHTING FIXTURES XLI , XLF SERIES

XLI and XLF 2-1 series obstruction lighting fixtures are ideal for installation on towers, bridges and high buildings. Their small size, light weight, ease of installation and robustness helps XLF and XLI series maintain a low depreciation rate over time especially in salty environments.

Features:

- Low copper content aluminum alloy body.
- Possibility of double lighting fixture wired and sealed to the junction box.
- Different colors available.
- XLI series is suitable for lamps up to 100W.
- XLF 2-1 series is suitable for lamps up to 16 Joule.

GLANDS & FITTINGS “CMP”



RANGES:

- ✓ Hazardous, Unarmored Cable Glands
- ✓ Hazardous, Armored Cable Glands
- ✓ Industrial, Unarmored Cable Glands
- ✓ Industrial, Armored Cable Glands
- ✓ Cable Gland Accessories
- ✓ Steel Wire Armored Cables
- ✓ Steel Tape / Braided Armored Cables
- ✓ Cable Cleats

EARTHING & LIGHTNING PROTECTION



EARTHING PROTECTION SYSTEM

THREADED COPPER BOND EARTH RODS



Copper Bond Earth Rods have high tensile strength, high corrosion resistance, and low in cost, hence considered the most popular earth rods in the market. Thanks to the bonding 99.95% pure high conductivity copper and low carbon steel core. This combination makes the rod ideal for great depths for achieving low resistance.

ROD LENGTH	NOMINAL DIAMETER	SHANK	WEIGHT
1200mm	5/8"	14.2mm	1.53kg
1500mm	5/8"	14.2mm	1.88kg
2400mm	5/8"	14.2mm	3.00kg
3000mm	5/8"	14.2mm	3.79kg
1200mm	3/4"	17.2mm	2.19kg
1500mm	3/4"	17.2mm	2.73kg
2400mm	3/4"	17.2mm	4.35kg
3000mm	3/4"	17.2mm	5.44kg

EARTHING PROTECTION SYSTEM

EARTHING CONDUCTORS



BARE COPPER TAPE

CONDUCTOR MATERIAL	THICKNESS	WIDTH
Copper	1.5-7mm	12.5-70mm
Tinned Copper	1.5-6mm	12.5-50mm
Galvanized Steel	2.5-7mm	12.5-50mm
Other sizes available upon request.		



BARE SOLID CONDUCTOR

CONDUCTOR MATERIAL	DIAMETER (A)	CROSS SECTIONAL AREA	WEIGHT PER METRE
Copper	8mm	50mm ²	0.44kg
Aluminum	8mm	50mm ²	0.12kg
Other sizes available upon request.			



BARE STRANDED CONDUCTOR

CONDUCTOR MATERIAL	CROSS SECTIONAL AREA
Copper	6-400mm ²
Tinned Copper	6-400mm ²
Other sizes available upon request.	

EARTHING PROTECTION SYSTEM

EARTHING ACCESSORIES



CONCRETE INSPECTION PIT

Concrete inspection Pit housing is suitable for most earthing installations. The housing can have an internal earth bar fitted with holes provided in the base (Upon client request).

- Pit Size: 30x30x30 cm



LIGHTWEIGHT INSPECTION PIT

It's light weight ensures easy handling, high safety while working on load, and comes in compatible size. Heavy duty lid with screw and lock, used as security for the earth pit. The pit is featured by high performance polymer material.

- Pit Size: 25x30x30 cm



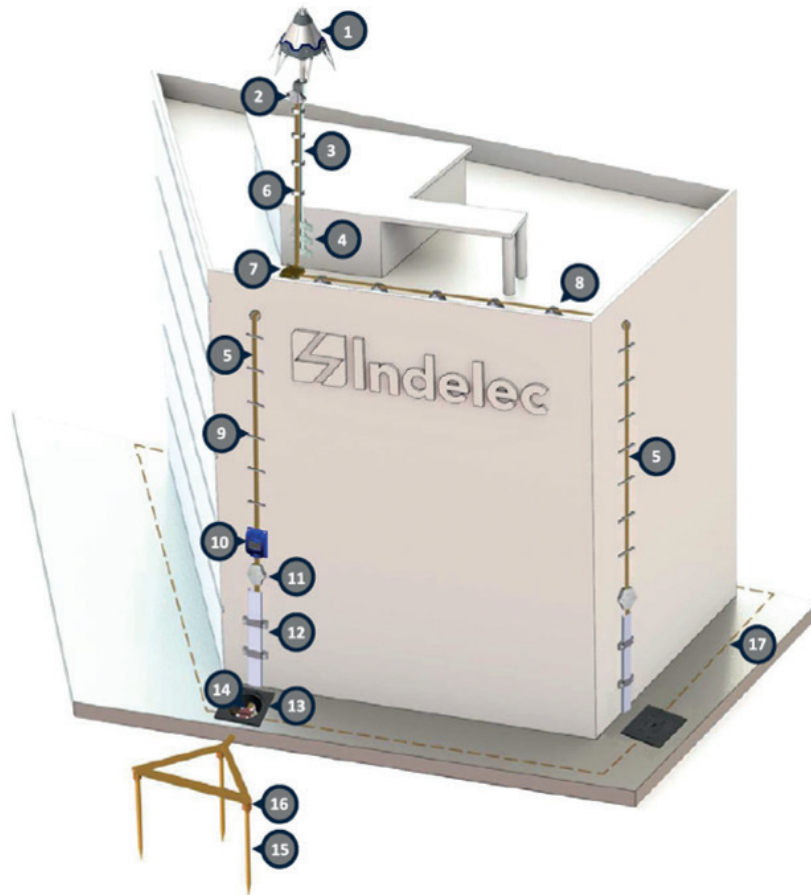
BENTONITE POWDER

Bentonite Powder is a moisture retaining clay used as an earth electrode back-fill to reduce soil resistivity. The clay is a sodium activated montmorillonite which when mixed with water swells to many times of its original dry volume.

- Unit Weight: 25Kg

LIGHTNING PROTECTION SYSTEM

ESE LIGHTNING PROTECTION SYSTEM CLASSIFICATION



- 1 - Prevector® ESE Air Terminal
- 2 - Prevector® to Conductor Clamp
- 3 - Elevation Mast
- 4 - Mast Bracket
- 5 - Down Conductors
- 6 - Mast Collar
- 7 - Conductor Clamp
- 8 - Roof Conductor Holder
- 9 - Down Conductor Fixing

- 10 - Lightning Flash Counter
- 11 - Test Clamp
- 12 - Protection Sheath
- 13 - Inspection Pit
- 14 - Earth Clamp
- 15 - Earth Rod
- 16 - Rod to Conductor Clamp
- 17 - Building General Earthing

CABLE TRAYS & GRATING SYSTEMS

CABLE TRAY SYSTEM

Cable Tray	Cable Tray Perforated	Cable Tray Duct	Cable Tray Ladder	Cable Tray Trough
Type	Perforated	Cable Duct	Cable Ladder	Trough
Material	Pre-Galvanized Steel / Hot Dip Galvanized Steel / Aluminum / Stainless Steel			
“Width (mm)”	50 to 600		100 to 1200	
“Height (mm)”	55-75-100-125		60-100-150-200	125
“Thickness (mm)”	1-1.25-1.5-2		1.5-2	
“Length (mm)”	2000-3000-6000			
Standard	ASTM A123 - ISO: 1461: 2009 - NEMA VE-1			

CABLE TRAYS & GRATING SYSTEMS

CABLE GRATING SYSTEM



Bar grating is a forge-welded system. In this process the bearing bars and cross bars are permanently forged together by heat and pressure into a single stranded panel.

STANDARD GRATINGS				
<ul style="list-style-type: none"> Standard gratings are typically available in 6 m x 1 m panels. They can be produced with a variety of pitch sizes. Bars are produced with plain or with serrated edge finish. 				
25x25	25x38	25x50	25x75	25x100
<ul style="list-style-type: none"> Load bearing bars of width 20 mm to 70 mm and thickness of 3mm to 8 mm can be used. All steel grating are manufactured according to ANSI MBG 531 & ANSI MBG 533 & DIN 24537. Panels are hot dipped galvanized to EN 1461 and ASTM123. 				
GRATING USAGES				
<ul style="list-style-type: none"> Walkways Flooring Ramps Partitions Bridge Flooring and Sidewalks Concrete Reinforcement Machine and Motor Bases Machinery Safety Guards 		<ul style="list-style-type: none"> Machinery Support Trenches Mezzanine Floors Partitions Stairs Platforms Racks and Shelving Window Guards 		
GRATING ADVANTAGES				
<p>Range of Grating Alternatives: Provides safe, durable and multifunctional products for all types of environments.</p> <p>Flexibility: Allows ventilation and light pass-through, while providing strength alternatives to support light pedestrian traffic to the heaviest vehicular traffic.</p> <p>Durability: Lasts longer than any other material alternatives, including wood, plastic and competing metal products.</p> <p>Ease of Installation: Adapts to complex floor configurations and hard-to-fit areas.</p> <p>Maintenance-Free: Open areas allow excellent drainage as well as lack of debris build-up.</p>				

LIGHTING POLES



STEEL POLES

We provide the market with wide range of lighting steel poles in various design and length.

- **Poles:** 60,000 poles / year
- **Fixed & motorized high masts:** 200 high masts / year
- **Telecom monopoles:** 200 monopoles / year
- **OHTL & Telecom towers:** 30,000 ton / year
- **Steel structure:** 50,000 ton / year
- **Plate work:** 7,000 ton / year
- **Crathing:** 36,000 sqm / year
- **Galvanization:** 48,000 ton / year



FIBER GLASS POLES

Range:

- Street Lighting
- Decorative & Garden Lighting
- Wide Areas
- Traffic Signs
- Signal Carrying
- Flagpoles
- Overhead Transmission (Up to 11 kV)

CABLES & CABLE ACCESSORIES

CABLES: ENERGY, SPECIAL & TELECOM CABLES



ENERGY CABLES

- Low Voltage Cables
- Medium Voltage Cables
- High & Extra High Voltage Cables



SPECIAL CABLES

- Instrumentation Cables
- Control Cables
- Fire Resistant Cables
- Fire Alarm Cables



TELECOM CABLES

- Fiber Optic Cables
- LAN Cables

CABLES & CABLE ACCESSORIES

CABLES ACCESSORIES: **LOW & MEDIUM VOLTAGE**



CABLE JOINTS LV & M.V

- L.V Cable Joints (Heat Shrink)
- M.V Joints (Pre-Molded)



CABLE TERMINATION

- L.V Terminations (Heat Shrink)
- M.V Terminations (Pre-Molded & Heat Shrink)



SEPARABLE CONNECTORS

- 200 Amp Deadbreak Connectors
- 600 Amp Deadbreak Connectors



METALLIC ACCESSORIES & HEAT SHRINK

- Lugs - Connectors
- Heat Shrink Products

ELECTRICAL PRODUCTS



TRANSFORMERS



POWER TRANSFORMER

Up to 750MVA & Voltage Up to 500 kV

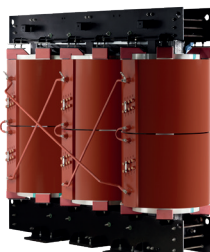
- Oil & Gas Refining
- Chemicals
- Petrochemicals
- Cement
- Steel
- Rolling Mills
- Mining
- Desalination
- Pumping Stations



OIL DISTRIBUTION

Up to 15 MVA & Voltage Up to 36 kV

- Pole mounted
- Pad Mounted
- Auxiliary
- Distribution Grid
- Solar
- Wind
- Variable Speed Drive
- Converter Arc Furnace
- Traction Zigzag
- Earthing Auxiliary



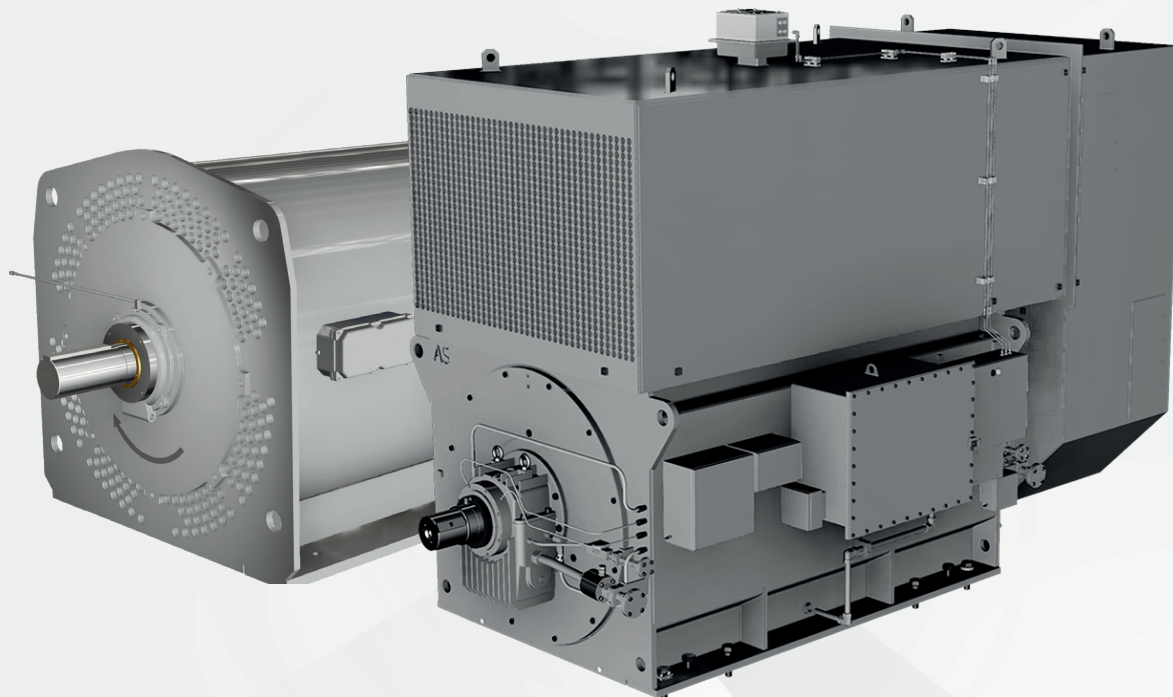
CAST RESIN DRY

Up to 15 MVA & Voltage up to 36 kV

- High-rise Buildings
- Hospitals
- Schools
- Shopping Malls
- Wind Farms
- Airports
- Commercial Complexes
- Industry
- Infrastructure

MOTION APPLIANCES

MOTORS & GENERATORS



WOLONG
Power your future

**BROOK
CROMPTON**
a WOLONG company

SCHORCH
a WOLONG company



GE INDUSTRIAL MOTORS
a WOLONG company

ATB SEVER
Technology in Motion

**ATB LAURENCE
SCOTT**

MEDIUM VOLTAGE

Motors

- ✓ Induction Motors
- ✓ Synchronous Motors
- ✓ Wound Reter Motors
- ✓ Brushless Motors
- ✓ Permanent Magnet Motors

LOW VOLTAGE

Motors

- ✓ LV-IEC Standard
- ✓ LV-NEMA Standard

MEGA PROJECTS

ZOHR GAS FIELDS PHASE 1 & PHASE 2



Supply and delivery of all packages of power, instrumentation, & fire resistant cables, cable accessories, earthing & lightning protection material, and explosion proof material.

- ✔ Project Value: 70 Million USD
- ✔ Location: Egypt

SOPC ENERGY EFFICIENCY & UPGRADE PROGRAM



Supply and delivery of all packages of power, instrumentation, & fire resistant cables, cable accessories, earthing & lightning protection material, and explosion proof material.

- ✔ Project Value: 25 Million USD
- ✔ Location: Egypt

MARKETS



EGYPT



KSA



UAE



IRAQ



JORDAN



ALGERIA



NIGERIA



VENEZUELA



TANZANIA



KENYA



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