



QUALITY DELIVERED
Locally Nationally Internationally

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OUR STORY

AEL was founded in 1981, in Aberdeen, Scotland as a family business. We have since grown strategically over the years, expanding to Houston, United States in 2014, Baku, Azerbaijan in 2015 and Mexico in 2019.

Over the years, we have become a leading electrical distributor that provides world class hazardous area electrical equipment to diverse sector of industries.



Our Quality Standards



Distinctions & Capabilities

Over 40 years of experience within the Oil & Gas, Marine & Offshore Sectors

Specialists in the supply and technical support of European Electrical Equipment to IEC, IECEx & ATEX Standards

Work with manufacturers who multi-certify to ATEX NEC/UL, CC, CSA, INMETRO & IECEx

Overseas network with manufacturers & vendors

Weekly consolidated shipment from Europe via airfreight.

Weekly consolidated shipment from Houston to Mexico via road freight.

Cost Effective Alternative Product Offerings



**SPECIALIST
ELECTRICAL
DISTRIBUTORS**

KEY STRATEGIC
MANUFACTURING
PARTNERS



Hazardous Area Communications

Prysmian
Group



Roxtec





CORE CAPABILITIES

AEL in conjunction with Stahl can third-party manage and execute your custom-build project requirements. Offering the most pragmatic and cost-efficient solutions.

- Can certify and dual-certify complete systems & assemblies in-house out of Houston.
- This includes junction boxes, control stations, motor starters and PLC units.
- Member of all major international standardization bodies:
 - NEC/UL, IECEX, ATEX, INMETRO, CSA, etc..
- Special Pricing Agreements through AEL.
- Houston facility holds local stock.
- Offers facility tours and lunch and learns.

Leading manufacturer innovator in explosion proof and explosion protected components and systems for:

- Automation
- Control & Distribution
- Operations & Monitoring
- Lighting
- Signals & Alarms





Ability to custom-build equipment, complete systems & assemblies ranging from:

- Junction & Terminal Boxes
- Control & Signaling Device Systems
- Motor Starters
- Hazardous Area Remote I/O Solutions

Automation interfaces and solutions offerings for hazardous area ranging from:

- Safety Barriers
- Isolators
- HART Communications
- Fieldbus Technology
- Remote I/O
- Ground Monitoring Devices





Operating & Monitoring



Great selection of hazardous area HMI product offerings with options ranging between 7" operator panel to 24" widescreen terminal and panel mount.

- Sunlight readable options
- NEC, Class I, Division 1 & 2, ATEX & IECEx
- Zone 1 & Extreme Temperature Options



Leading manufacturer in design and development of audible and visual signaling products.

- Alarms
- Sounders
- Beacons
- Combination Units



Leading manufacturer of explosion protection and systems for marine applications.

- Anti/De-Ice & Winterization Systems
- Heat Trace
- Deck Lights
- Navigation Lights
- Ship & Control Systems





Hazardous Area Lighting

Manage every stage of the project, from the design stage to the manufacturing stage, to produce custom-made Ex lighting and custom lighting systems.

- Linear Luminaires
- Tubular Light Fittings
- Emergency Luminaires
- Floodlights
- Pendant Light Fittings
- Bulkhead Light Fittings
- Helideck Systems
- Central Battery Systems



Custom Lighting Design

- Stahl can take 2D data of a facilities premises and create a 3D model of your ideal lighting design.
- Reduces maintenance requirements and lowers energy costs.



Accessories



Fuses



Plugs &
Sockets



Cable Glands

- Suitable for cables 1 to 48mm
- Materials range from plastic, nickel-plated brass and stainless steel

EATON

Hazardous Area Communication



Part of the Crouse-Hinds Series, Eaton has an established portfolio of products and systems designed for potentially explosive and hazardous atmospheres.

Product line divisions aim to provide a range of products as turnkey solutions for safety through Fire & Gas Detection, Telecommunications, PAGA Systems & CCTV offerings.



Fire & Gas Detection Equipment

- Manual & Voice Alarms
- Sounders & Sirens
- Beacons
- Combination Units
- Status Lamps
- Integrated Fire & Gas Detection Systems
- Special Price Agreements through AEL
- Holds local stock in Houston, Texas
- Offers facility tours and lunch and learns



Communication Equipment



Funke Huster Fernsig is a leading manufacturer of signaling devices and communication equipment for weatherproof and explosion proof applications.

Product Profile:

- Weatherproof Telephones
- Explosion Proof Telephones
- Telephone Accessories
- Intercom Systems
- Telephone Protection Hoods
- Audio & Visual Signaling Devices



CCTV

Hernis offers advanced camera-based surveillance system installation for oil & gas and marine applications.

- Durable systems approved for hazardous area environments.
- Fully certified to IEC & IECEX standards.
- Surveillance solutions to meet a wide range of requirements.
- Turnkey solutions
- AEL can assist with vessel upgrades

Ethernet Over Coax

- Allows IP data to be transmitted across existing cabling.
- Upgrade without replacing all equipment.



oxalis[®]



Oxalis has designed a range of CCTV camera stations that offer explosion proof and safe area monitoring equipment.

- Minimal maintenance
- Sustains harsh environments
- Fully certified to NEC/UL standards
- Special Pricing Agreements through AEL

Data, Instrumentation & Power Cables

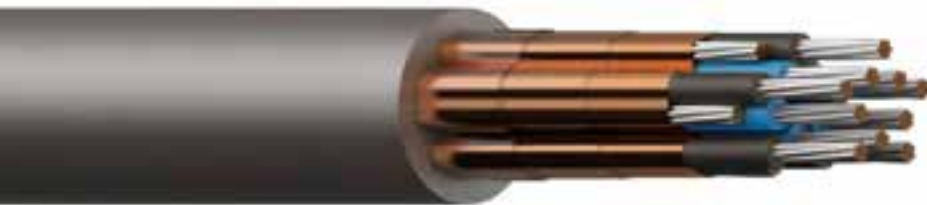
Prysmian
Group

 PRYSMIAN

 Draka

 General Cable

Prysmian Group offers cabling for industries like Marine, Oil & Gas, Telecommunications, etc.



- Halogen-free, mud resistant instrumentation cables (RFOU, BFOU, NEK 606)
- VFD, Date, Track, Control, Festoon & Profibus Cables
- Control Instrumentation & Type P Cables
- Local stock is available
- Rapid turn-around time
- Great technical support



Cable Accessories, Identification Equipment & Tooling



Product Profile:

- Cable Ties
- Cable Markers
- Cable Protection
- Heat Shrink, Crimps, Ferrules, Lugs
- Assortment of Tools
- Label Printers

- Multiple Styles and Finishes
- Great alternative to larger manufacturers
- Special Price Agreements through AEL
- Rapid turn around time





Cable Cleats, Glands & Accessories

- Industrial & Hazardous rated cable glands
- Barrier cable glands
- Cable cleats
- Gland Accessories
- Adaptors, Reducers & Stopping Plugs
- IEC & UL options
- Special Pricing Agreements through AEL
- Holds local stock in Houston, Texas
- Offers better lead times and competitive pricing

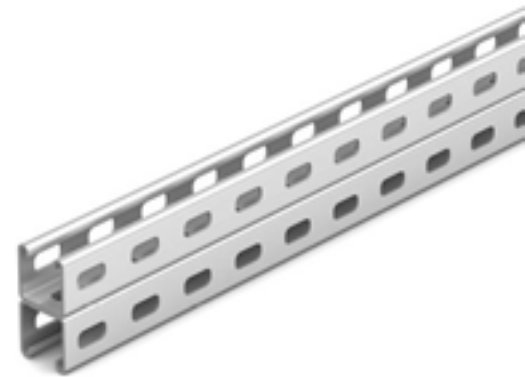




Cables Trays & Accessories

Vantrunk designs and manufactures cable management solutions for extreme environments.

- Cable Ladder Systems
- Cable Tray Systems
- Steel Framing Systems
- Universal Mounting Frame System
- Fixings
- Options



Custom Design Solutions

- Seismic Active Areas
- Flexible Assemblies
- Offers solutions based on geographic location
- Exceed required quality standards
- Place focus on cost savings



Sealing Solutions



Roxtec

- Modular-Based Sealing Solution for cable and pipe penetrations.
- 3-Component system
- Consist of Adaptable Module, Frames, & Compression Unit
- Can be used anywhere cables are grounded
- Protects assets from potential hazards
- Flexible multidiameter module system
- Peel off layering system for perfect fit





Marine & Offshore Lighting

Glamox is a leading supplier of lighting solutions to the global marine and offshore market

- Specialize in high bay & LED luminaires, emergency lighting & linear lighting.
- Holds local stock and offers tours of Katy, Texas facility.
- Special Pricing Agreement through AEL
- Holds Local Stock
- Offers in person and virtual learning sessions.

Offers:

- High Bay Luminaires
- Emergency Lighting
- Linear Lighting
- LED Luminaires





Leading manufacturer for marine industry lighting accessories.

- Offers LED & Incandescent lighting options:
 - Underwater lights
 - Interior lights
 - Docking lights
 - Navigation lights



RIG-A-LITE offers advanced lighting solutions that are home to some of the world's most challenging settings, including offshore rigs, production refineries, and chemical plants.



- Flood Lights
- Globe & Guard Lighting
- Heavy Duty LED Lighting
- Linear Fluorescent Lighting
- Heavy Duty Luminaires
- Enclosed Lighting
- High-Bay Luminaires
- Emergency Lighting & Signs

Providing a full selection of non-metallic, aluminum, brass and stainless steel (304 and 316) marine lighting options, RIG-A-LITE helps vessels, port facilities and shipyards stay safe and well lit.





SPECIALIST
ELECTRICAL
DISTRIBUTORS

ADDITONAL
MANUFACTURERS

Hazardous Area Power Products



- ATEX & IECEX Custom Manufactured Products
- ATEX & IECEX Solar Power Pod & Solar Panels
- Low Voltage Switchboards & Motor Control Centers
- IECEX & UL Junction Boxes
- IECEX & UL Safety & Main Current Switches
- IECEX & UL Control Units & Control Stations



Lighting Manufacturers



- Helideck lighting
- Low to High intensity obstruction lights
- Marine foghorns & lanterns
- System controllers
- Navigational aids
- Floodlights



Cable Manufacturers



Cable Gland Manufacturers

EATONRAXTONREDAPTCAPRIHAWKE
International

Cable Markings, Ties & Accessories

Thomas & BettsPANDUIT®HellermannTyton

- Cable Ties & Fixings
- Insulation Products
- Identification Systems
- Tooling
- Securing

Fire Detection & Audio And Visual Signaling Products



Integrated Fire &
Gas Detection
Systems



Signaling,
Communications &
Security Systems



Hazardous Area Signaling

Instrumentation & Power Supplies

PEPPERL+FUCHS

- Intrinsic Safety & Process I/O
- HART Interfacing
- Visualization
- Fieldbus
- Industrial Ethernet



Control & Automation Products



-
- Miniature Circuit Breakers
 - Air Circuit Breakers
 - Switches
 - Contactors
 - Pilot Devices
 - Distribution Boards
 - Relays and Terminals
 - Starters
 - PLC
 - Variable Speed Drives

Safe Area Industrial Plugs & Sockets



 **MELTRIC**
A COMPANY OF MARECHAL ELECTRIC

 **MENNEKES®**

CEE **NORM**
U.K. Ltd

- Industrial Plugs & Sockets
- Switched Interlocked Sockets
- Combination Units

Low & Medium Voltage Fuses

SIBA
Sicherungen | Fuses

 **Littelfuse®**

Ferraz
Shawmut

Bussmann
by **FAT•N**

Hazardous & Safe Area Motors



Flameproof
Motors

- High efficiency motor and generator offering for all applications.
- Single or Three Phase
- Low to High Voltage
 - Gearboxes
 - Electrical Panels
- Switchgears
- Control & Load Centers



Industrial Batteries

EnerSysTM

*Power/Full Solutions*TM

BATTERY®
CSB


YUASA

- Lead Acid Batteries
- Li-Ion Batteries
- Nicad Batteries
- Battery Enclosures

Safe Area Enclosures



- Mild Steel Solutions
- Stainless Steel Enclosures
- Fiberglass Reinforced Polyester Enclosures
- Terminal Boxes
- Wall Mount Enclosures
- Floor Mount Enclosures
- Rack Mount Enclosures



Control Transformers



**HAMMOND
MANUFACTURING®**



- Class I, Div. 2 Transformers
- Zone 1 & 2 Transformers
- 1 Ph Encapsulated Transformers
- Custom Built 3ph Transformers
- Dry Type Cast Resin Transformers



Digital Multimeters & Calibration

FLUKE®

Calibration

Megger®

- Clamps Testers
- Digital Multimeters
- Earth Testers
- Phase Rotation Testers

We offer calibration services through our partnerships.

Ground Fault Detection

BENDER
The Power in Electrical Safety®

Thermal Management Systems



Pfannenberg



ELDON



- Cooling Units
- Air & Water Heat Exchanger
- Filter Fans
- Heaters
- Thermostats



Metric & Imperial Fasteners

NORD-LOCK®

BUMAX®

A BUFAB COMPANY

- Bolts & Setscrews
- Socket Head Products
- Nuts & Washers
- Threaded Rod
- Machine Screws
- Self Tapping & Drilling Screws
- Hex Head Coach Screws
- Petrochemical Studding & Nuts
- Nominal Bore Standard U Bolts
- Earth Bosses
- Bolt Securing



Hazardous Area Heaters



Heaters designed for hazardous area that meet ATEX & IECEX requirements.

Explosion Proof Heaters

- Shipping Vessels, Offshore Rigs requiring 60 Hz.

High Performance Heaters

- Designed for pressures of 450 PSI and temperatures of 550 Degrees Fahrenheit

Rig Heaters

- Designed for freezing temperatures and ice expansion.





Procurement Solutions

AEL Can support you with:

- Importation of goods from overseas locations, delivering directly to your warehouse duty paid.
- Acting as an importer of record, taking full management, ownership & responsibility for the importation of your goods direct to your warehouse.
- Procurement of contract or non-contract items from America, Europe or Asia.
- Independent sourcing that can include mutually agreed cost plus mark-up.

Examples of materials we can import from Asia or Europe:

- Valves
- Tube Fittings
- Flow Measurements
- Hoses & Fittings
- Fasteners & Gaskets
- Hydraulic Items
- Pumps & Compressors
- HVAC Equipment
- Laundry Equipment
- Instrumentation Products
- Flow Measurement





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