

Solutions for oil and gas Midstream line card



Pump stations



Compression stations



Terminal stations

Energizing a world that demands more.

Eaton's midstream solutions help you mitigate transport, environmental and safety risks, while also keeping costs down. Eaton's experience with large, high-pressure operations in challenging and remote locations will help you reach your project goals. Our comprehensive safety, control and monitoring solutions offer outstanding protection, along with optimized maintenance and extended equipment life, while also helping you comply with industry regulations and technical standards. And with leading safety products, including the Crouse-Hinds™ series family of offerings, we offer a unique combination of systems, components and services that ensure you minimize risk and optimize your investment, wherever your business takes you.



Powering Business Worldwide

Compressor stations (gas)

LED lighting, floodlights, LV and MV assemblies, transformers, disconnects, power control, LV and MV drives, circuit protection, regulators, fuses, couplings and filters

Pump stations (oil)

LED lighting, floodlights, LV and MV assemblies, motor control centers, regulators, transformers, MV switchgear, automatic transfer switches, process control, control and automation, disconnects, fuses, LV drives, couplings and filters

Power distribution

Cable management, LV assemblies, transformers, switchgear, capacitors and substations

Perimeter

LED lighting, hazardous area communications, mass notification systems, CCTV, automatic transfer switches, switchboards, panelboards, disconnects, plugs and receptacles and disconnects

Storage

Network security, motor control centers, automation and control, drives, fuses and pipe hangers

Filtration

Expertise to meet quality, cost, safety or environmental needs

- ASME, PED, IEL, CE, CRN, CSA, NEC, ATEX, NACE, NR-13 standards
- Pipeline strainers, bag and cartridge filtration and gas liquid separators

Learn more at
Eaton.com/oilandgas



Power and distribution transformers and busway

- Liquid-filled to 12 MVA (ANSI)
- Non-segregated medium- and low-voltage busway
- Envirotemp™ FR3™ dielectric fluid
- Dry-type distribution transformers (ANSI)
- Pole-mount, pad-mount and substation transformers
- ABS and Class I, Division 2 certifications
- Variable voltage transformer for heater cable and processing applications



Medium- and low-voltage motor control centers

- Medium-voltage motor control centers rated 2.4 kV to 13.8 kV
- Standard and arc-flash preventative motor control centers
- Both NEMA/ANSI certified



Meters, sensors and relays

- Revenue-grade energy monitors
- Fast transient sampling, event monitoring
- Motor and feeder protective relays
- InsulGard™ partial discharge



Emergency and backup power

- Engineered for industrial environments with unpredictable power conditions
- FERRUPS® voltage regulating
- Marine certified
- ANSI and IEC configurations
- 2000–3000 A contactor-based automatic transfer switches



E-houses and portable power solutions

- Turnkey engineered E-houses
- Mobile substations and capacitors
- Factory acceptance testing, field commissioning
- Dedicated project management resources
- One set of engineering documentation
- Safety studies
- Maintenance and emergency services



Medium- and low-voltage drives

- 4160 V to 6000 hp
- 600 V to 2000 hp
- Medium-voltage with 24-pulse input technology
- Low-voltage 6- and 18-pulse input technology
- IEEE® 519 harmonic compliance
- Medium-voltage arc-resistant design



Low-voltage power distribution

- Panelboards
- Safety switches and disconnects
- NEMA/ANSI and IEC ratings
- Industrial and hazardous areas
- Hazardous area transformers



Cable ladder systems and mechanical solutions

- Aluminum, stainless steel, galvanized steel and FA series fiberglass material options
- Strut systems, fittings and accessories
- Grip Strut™ safety grating and various slip-resistant grating solutions
- NEMA/ANSI and IEC ratings



Medium- and low-voltage switchgear

- Generator and line mounted switchgear
- Metal-clad medium-voltage switchgear rated to 38 kV
- Metal-enclosed low-voltage switchgear up to 600 V, 10,000 A continuous cross bus
- Standard and arc-resistant medium- and low-voltage switchgear
- Medium-voltage, liquid-filled vacuum interrupter switchgear and sectionalizing switches
- NEMA®/ANSI



Medium-voltage circuit protection

- Medium-voltage vacuum circuit breakers
- Medium-voltage Bussmann™ series fuses
- 5 to 38 kV
- 600 to 6000 A



Low-voltage circuit protection

- Hazardous area, molded-case industrial and marine breakers
- Arcflash Reduction Maintenance System™
- Power Xpert™ release trip units
- Bussmann series branch circuit fuses, fuse holders and blocks, and power distribution blocks



Power panels and motor control

- Power distribution panels
- Combination motor starters
- Explosionproof VFDs
- Specialty and traditional control stations
- Switch rack assemblies
- Hazardous, harsh, industrial areas



Hazardous area control stations

- Suitable for use in hazardous areas
- Impact-resistant thermoplastic
- Ingress protection to IP67 rated voltage
 - Contact blocks; 500 V
 - Signal lamps; 240 V IEC
- NEMA/ANSI and IEC ratings



Interior and perimeter hazardous area lighting

- Light sources: LED, HID, incandescent and fluorescent
- Types: flood, task, high bay, wall pack, linear, area and confined space
- NEMA/ANSI and IEC ratings



Enclosures

- Junction boxes and enclosures
- Stainless steel, aluminum, fiberglass and steel iron
- Instrument housings
- Hazardous and industrial areas
- NEMA/ANSI and IEC ratings

Pipeline/transportation

LED lighting, variable frequency drives, motor control centers, heat trace and structural support

Gathering and transmission pipelines

LV and MV assemblies, transformers, automatic transfer switches, regulators, capacitors, fuses, mobile substations, overhead distribution equipment, microgrid energy system and software



Hazardous area and life safety communications

- Command and control centers
- Fire detection and alarms
- Mass notification systems
- Visual and audible signaling devices
- CCTV systems
- VOIP and analog phones
- NEMA/ANSI and IEC ratings
- Offshore PA/GA systems



Plugs, receptacles and connectors

- Roughneck multi-pin and single-pole connectors
- PowerMate™ pin-and-sleeve connectors
- PowerGard NEMA receptacles
- Molded to cable
- Hazardous, harsh, industrial areas



Cable and conduit wiring solutions

- Industrial fittings
- Cable glands
- Hub reducers, adapters and accessories
- Hazardous, harsh, industrial areas
- ANSI and IEC configurations

Metering and monitoring

Integrated communications, metering relays and sensors, panelboards, HMI, graphical user interfaces (GUI), GridAdvisor series smart sensor, wireless, and industrial networking fieldbus and barriers



Process instrumentation and protection

- Intrinsically safe
- Surge protection
- Process alarm equipment
- HMI and visualization
- Field bus



Wireless and communications

- Wireless I/O systems
- Cellular communications
- Gateway interconnection
- Network management
- Remote monitoring and control



Power management system

- Electrical network monitoring and control
- Real-time data acquisition and historian
- Station controller
- Bay control units
- HMI

Infrastructure

Connectivity, cable management, enclosures, safety grating, pipe hangers, bolted framing, fasteners and mechanical supports



Industry certified competency training

- Understand the theory behind products, solutions, and industry standards
- Experience real products first-hand through hands-on training with live products
- Identify and assess application environments, install product and test equipment
- Receive industry recognized competency certification



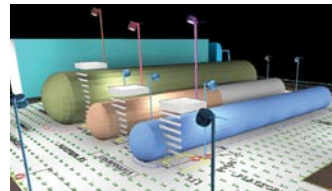
Power engineering software (CYME)

- Detailed one-line diagram modeling
- Power flow analysis
- Fault analysis (IEC, ANSI)
- Arc flash hazard analysis
- Protective device sizing and coordination
- Motor starting analysis
- Customizable reports



Engineering services

- Arc flash and power systems studies
- Life cycle extension services
- Energy management services
- Site testing and commissioning
- Turnkey project services
- Emergency response services



Design tools and services

- Lighting layout and design services
- Custom SKU-level 2D and 3D models for integration into design software
- Custom SKU-level specification sheets

Learn more at Eaton.com/experience

MGE OFFICE PROTECTION SYSTEMS
 MCGRAW-EDISON MOELLER
 METALUX MEM CUTLER-HAMMER
 COOPER HALO ARROW HART
 B-LINE BUSSMANN MTL
 HOLEC MCGRAW-EDISON
 ARROW HART MEM BUSSMANN
 METALUX POWERWARE
 MEM HALO BUSSMANN
 MCGRAW-EDISON CEAG
 MOELLER MTL AEROQUIP-VICKERS
 CEAG COOPER BUSSMANN
 MTL B-LINE
 HERNIS
 MCGRAW-EDISON
 B-LINE
 ARROW HART
 MOELLER
 HALO MEM
 MTL
 COOPER
 HERNIS SYNFLEX HOLEC
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The Power of One EATON

We serve the world's oil companies, OEMs and EPCs with electrical, hydraulic and filtration solutions supported by a global network of over 2,500 services professionals.

BRAND
INCEPTION
DATES:



1833



1874



1893



1897



1899



1906



1908



1911



1914



1934



1961



1962



wright · line

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Approximately
95,000
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Countries

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