De-risk by design
We serve the needs of oil and gas customers around the world—in upstream, midstream and downstream applications.

Eaton is a leading power management company, providing energy efficient solutions that help our customers use electrical, fluid and mechanical power more reliably, efficiently, safely and sustainably.

We provide a breadth of innovative solutions globally that help you build a more sustainable business.

Eaton brings a new dimension of expertise.

We are here to help you master the heavy power needs and safety systems integral to uninterrupted operations in the harshest environments and maximize refining operations.

Our customized, innovative solutions can be retrofitted to extend life cycles, enabling you to meet changing regulatory and processing requirements. And with leading safety products, we provide a unique combination of systems, components and services that ensure you minimize risk and optimize your investment, wherever your business takes you.

Legacy of innovation.

Over the years, our innovative portfolio has grown, including solutions from:

- Aeroquip®
- Azonix
- B-Line®
- Bussmann
- CEAG

- Crouse-Hinds®
- Cutler-Hammer®
- Hernis®
- Holec®
- MEDC

- MTL
- Synflex®
- Vickers®
- Westinghouse®

Distribution and control business unit
At Eaton, our ability to optimize performance and increase operational predictability, as well as protect your people and profit, will elevate your business operations.

**Optimize performance for lower cost of ownership and reduced complexity**

We deliver customized electrical, hydraulic and filtration solutions designed for tougher recovery and changing refining conditions. Our project management for design, retrofitting, construction and maintenance helps optimize your investment, increase energy efficiency and reduce risk.

**Increased operational predictability**

Our local engineering and service professionals improve uptime and reduce costs. Preventive diagnostics and solutions that improve stability and control increase endurance and provide longer life cycles in harsh environments. Remote monitoring and troubleshooting reduce the need for planned maintenance while optimizing equipment life cycles.

**Safety solutions that protect people and profit**

Eaton’s comprehensive and rugged product offering, including explosion-proof enclosures and arc flash preventive motor control centers, mitigates the risk of personnel injury, downtime and damaged assets. Our solutions for reduced environmental footprint through wastewater reuse eliminate manual change-outs. We offer technology to absorb and dissipate loads to increase stability, as well as customized safety training.
Exploration and drilling in onshore and offshore applications.

We know that tougher, more remote recovery environments increase costs and risk to people and reputation. Additionally, costs of offshore drilling platforms are heavily influenced by weight. To succeed, you need customized solutions, engineering and design expertise and market-leading innovation.

**Upstream applications**

**Derrick/mast, drawworks and top drive**
- LED lighting, beacons, strobes and CCTV, hazardous area communications, hydraulic pumps, filters, drives and hosing, strainers and separators

**Operator’s house/driller’s cabin/ control room**
- LED lighting, hazardous lighting, call-points and strobes, CCTV, hazardous area communications, mass notification system, cable management, panelboards, HMI, plugs and receptacles and UPS—backup power

**Generation**
- LV and MV assemblies, MV transformers, modular integrated transportable substations (MITS), generator controls, regulators, arresters and capacitor banks

**Shaker unit**
- LED lighting, hydraulic filters, strainers and separators, motor control, enclosures and cable glands

**Power/pump station and mud/fuel tank**
- Beacons, strobes and horns, hazardous area communications, strainers and separators, process and control, metering and relay safety, network protection, over distribution, automatic transfer switches, HMI, motor control, cable glands and fittings and safety grating

**Drilling floor**
- LED lighting, hazardous area communications, hydraulic filters, motors, housing and cable management, cable glands and fittings, plugs and receptacles and safety grating

**E-house**
- LED lighting, cable management, LV and MV assemblies, motor control centers, transformers, metering and relays, automatic transfer switches, panelboards, variable frequency drives and UPS—backup power

**Perimeter and living quarters**
- LED lighting, CCTV, hazardous area communications, mass notification system, automatic transfer switches, switchboards, panelboards, disconnects, plugs and receptacles

**Industrial**
- Areas prone to dust, dirt, grime, vibration, harsh use and abuse

**Class I, Division 2/zone 2**
- Explosion protection for areas with flammable gases or vapors normally in the atmosphere

**Corrosive areas**
- Equipment and protective systems intended for use in potentially explosive atmospheres

**Wet locations**
- Protection from windblown dust and rain, splashing, hose-directed water and external formation of ice

**Vibration**
- Locations that need products designed to withstand continuous movement and may require maintenance and repair

**Class II/zones 21 & 22**
- Protection for areas where ignitable dust may be present

**Space constraints**
- Areas with tight clearances, tight spaces and limited footprint

**Class I, Division 1/zone 1**
- Protection for areas with ignitable dust or flammable gases or vapors normally in the atmosphere

**ATEX certifications**
- Equipment and protective systems intended for use in potentially explosive atmospheres
Meeting midstream challenges with safety, control and monitoring solutions.

An increased focus on midstream is fueling the use of ever larger vessels and the need to ensure asset integrity in aging pipelines. Tougher environmental scrutiny applied to pipeline certifications and increasing safety concerns with road and rail distribution call for comprehensive safety, control and monitoring solutions.
Retrofitting and new construction to meet changing refining needs.

Whether you want to upgrade an aging refinery to process new crudes, decrease downtime, meet increased regulatory requirements or bring a new refinery online, you need advanced solutions that address your power management challenges.
Powering industry through education.

**Services and systems**

Eaton’s service team is one of the largest and most experienced teams of power and energy engineers in the industry, with industry-standard software, advanced modeling and analysis capabilities, professional engineers, certified energy managers (CEM) and accredited professionals in commissioning located around the globe. Our comprehensive portfolio of services helps keep your buildings and power systems efficient, reliable, safe and up to date.

We offer:

- Field services
- Project management
- Global and regional manufacturing capabilities
- Startup and commissioning
- Customized training per application

- Maintenance
- Lighting layouts
- Turnkey capabilities
- Training
- Power system studies
- Power quality and reliability studies

**World-class hands-on training**

The 55,000 sq-ft Houston Experience Center includes everything from a mock petrochemical refinery to a substation and power distribution grid. Explore multiple training rooms and live application installations that are all designed to facilitate industry-specific education and hands-on demonstrations of Eaton’s entire line of electrical products and solutions.

Interactive hands-on applications available to you:

- Petrochemical refinery
- Upstream—offshore rig
- Land-based drilling
- Data center
- Utility and power distribution
- Power quality lab
- Motor control room
Taking the next step.

From custom-designed energy audits, to advanced technology to enhance your designs, to cost benefit analyses on product upgrades, we’re ready to help drive your operations efficiently, safely and profitably.
Discover how Eaton can solve your power management challenges.

Bringing your business a new dimension of expertise, customized innovative solutions and uninterrupted operations in the harshest, most hazardous environments.

Eaton.com/oilandgas