



Electrical and Industrial Solutions for Moveable Bridges

The American Recovery and Reinvestment Act (ARRA) envisions a more modern, up-to-date infrastructure for America. Updating the aging moveable bridges over America's navigable waterways is an important part of that effort.

America's moveable bridges are key links in our national transportation system, but many are aging. Their mechanical, electrical and hydraulic control and power systems are often at or near the end of their anticipated design life. That means they're difficult and expensive to maintain.

Eaton offers a complete range of electrical, hydraulic and mechanical solutions for your moveable bridge projects. We have a long track record of success in supplying complete packages of electrical and hydraulic system solutions for moveable bridges. Our extensive experience and distribution channel puts us on the forefront of movable bridge—electrical and hydraulic system—rehabilitation/upgrade projects. Our range of components, solutions and power-management experience is why Eaton is powering businesses worldwide.

Eaton solutions for moveable bridges include:

- AC drives
- Fluid conveyance (industrial hose, tube fittings and connectors)
- FX controllers and software for electro-hydraulic operation
- Heavyduty braking and clutch systems
- Hydraulic cylinders
- Hydraulic power units
- Hydraulic pumps and motors
- Hydraulic valves and actuators
- Motor control centers
- Panelboards and switchboards
- Pushbuttons and indicating lights for bridge control desks
- Quick disconnect couplings
- Safety switches
- Sensors and limit switches
- Transformers

EATON

Powering Business Worldwide



ACT NOW!

Eaton Recovery Hotline

1.888.ETN.1USA (1.888.386.1872)

www.eaton.com/recovery



Eaton services for moveable bridges include:

- Application and Commercial Engineering (ACE)
- Cylinder repair
- Fluid quality analysis
- Local support through Eaton's extensive distribution network and sales offices
- Training

1 Compatible and complete solutions

Components for moveable bridge electrical and hydraulic systems must be carefully selected to work together reliably. When you choose a package of Eaton solutions, you can be confident all of the components will be compatible and will work together to meet your project's needs.

- AC drives
- Fluid conveyance (industrial hose, tube fittings and connectors)
- FX controllers and software for electro-hydraulic operation
- Hydraulic cylinders
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2 One-stop solution provider

Electrical and hydraulic solutions for moveable bridges are complex systems of components that must be highly reliable and easy to maintain. Eaton is a one-stop solution provider for moveable bridge systems. With a full range of electrical and hydraulic solutions, our sales engineers can put all the pieces together to assemble a complete package that suits your needs.

- FX controllers and software for electro-hydraulic operation
- Hydraulic cylinders
- Hydraulic power units
- Limit switches
- Motor control centers
- Pushbuttons
- Safety switches
- Sensors and limit switches

4 Extend useful life

Many moveable bridges use aging equipment that's well beyond its anticipated useful life. Older equipment is more likely to fail, and replacement parts can be expensive and hard to find. Eaton's extensive selection of aftermarket solutions and services can extend the useful life of equipment by replacing key components before they fail.

- Hydraulic cylinders
- Limit switches
- Motor control centers
- Pushbuttons
- Control panels

3 Easier installation

Installing, configuring and testing power control equipment can be a complicated, time-consuming process. Eaton's motor control centers and hydraulic packaged solutions are easier to install, reducing the cost of installation. And they're designed to make key components easy to access, making maintenance and repairs quicker and easier.

- Motor control centers
- Hydraulic power units

5 Smoother operation in harsh environments

Moveable bridges expose electrical and hydraulic equipment to harsh operating conditions like high humidity and corrosion. Many Eaton solutions are highly rated for watertightness and resistance to corrosion. This helps assure reliable operation and longer equipment life.

- FX controllers and software for electro-hydraulic operation
- Hydraulic cylinders
- Hydraulic power units
- Limit switches
- Motor control centers
- Pushbuttons
- Safety switches