

Live interactive demonstrations of real-world applications

Welcome to the  
**industrial controls**  
in motion tour



**EATON**  
*Powering Business Worldwide*

# Industrial Controls in Motion Tour

## Simulations of control solutions at work.

Eaton travels cross country with the **Industrial Controls in Motion Tour**, focused on showcasing how our control components help cut costs, improve efficiencies, optimize equipment performance and maximize uptime.

OEMs, institutions, commercial facilities, mechanical contractors and end users are exposed to 40 feet of the latest in Eaton innovations in fully functional, real-world environments. These include HVAC/R, pumping, process industry and machinery applications. The demonstrations are built to simulate some of the day-to-day challenges that users face and provide a variety of options for fixing them.

### Our mobile experience includes:

**Two** environments reflecting our broad capabilities.

1. Commercial
2. Industrial

**Four** live demonstrations that cover both operation and fault resolutions that are common in each industry.

1. Pumping
2. HVAC/R
3. Material handling
4. Process industry

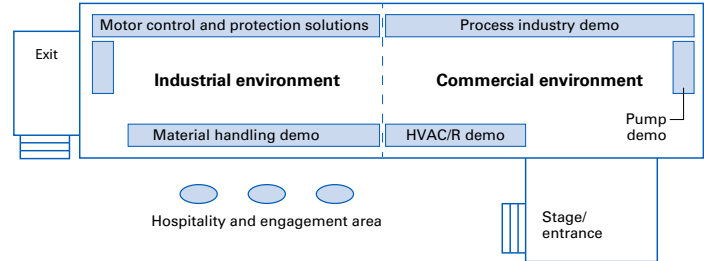
**Seven** displays that showcase the depth and breadth of our ability to be responsive to customer needs quickly, efficiently and cost-effectively.

1. Harmonic mitigation techniques
2. Power Defense molded case circuit breaker solutions
3. Arc flash mitigation solutions
4. Process monitoring and system health
5. HVAC/R component solutions
6. Motor control and protection solutions
7. Sensor solutions

### Comprehensive package solutions

Eaton has been serving the power management needs of our customers for more than a century. Over the years, we have expanded our expertise and portfolio of products and services by uniting some of the world's most respected names with Eaton's strong heritage of innovation. The trailer therefore reflects complete packaged solutions that not only include industrial control products, but also our world-class motor control centers and breakers with Bussmann™ series fuses, B-Line™ series support systems and switches, and Crouse-Hinds™ series explosion-proof enclosures. With customers in 175 countries and more than 96,000 employees worldwide, we have experts on the ground to develop more complete and customized solutions to respond to the needs of our customers.

### Mobile unit overview



### Hands-on demonstrations



**Pumping**  
Booster pump system demo



**HVAC/R**  
Rooftop air handler demo



**Pumping, HVAC/R and conveyor**  
IoT experience demonstrations



**Process industry**  
MCC and 18-pulse variable frequency drive demonstrations



Full range of **motor control** capabilities, from basic to advanced to intelligent

## Pumping



Automatic control with real-time monitoring and diagnostics to reduce downtime.

### Featuring:

- VFDs with built-in multi-pump control and integrated logic for faster startup
- Overloads and VFDs with advanced protections to detect loss of suction, dead-head and clogged impellers
- HMIs that provide real-time fault alerts and troubleshooting ideas via email or text messages
- Bussmann series fused and non-fused disconnects for safe and reliable operation

## HVAC/R



Designed exclusively for HVAC/R applications to minimize cost and significantly improve energy efficiency.

### Featuring:

- VFDs with Eaton's patented Active Energy Control® algorithm that provides energy savings of up to 10% above standard drives
- Redundant VFD packages that speed control and communications to maximize uptime
- DH1 enclosed HVAC variable frequency drive
- XT IEC contactors that reduce installation time and energy costs
- B-Line series traditional strut and innovative 4Dimension™ strut saves time during installation and reduces labor costs

## Material handling



Maximizing uptime using real-time monitoring and on-board communications.

### Featuring:

- Smartwire wiring system that dramatically reduces wiring costs and provides system diagnostics
- XV303 HMI panels with Visual Designer that support advanced gestures and notifications
- Sensors that are robustly designed, versatile and highly reliable
- Electronic motor starters that reduce footprint by up to 80% over traditional starters

## Process industry



Motor control products that maintain uptime, improve safety and reduce the cost of integration.

### Featuring:

- Communicating advanced motor management relays that provide system intelligence and local logic
- B-Line series cable tray features patented I-beam siderail that optimizes performance
- FlashGard™ MCC bucket provides arc-flash protection for personal safety
- Power Xpert® dashboard for system monitoring
- 18-pulse low-harmonic drive with arc flash disconnect

# Immerse yourself in **real-world** scenarios

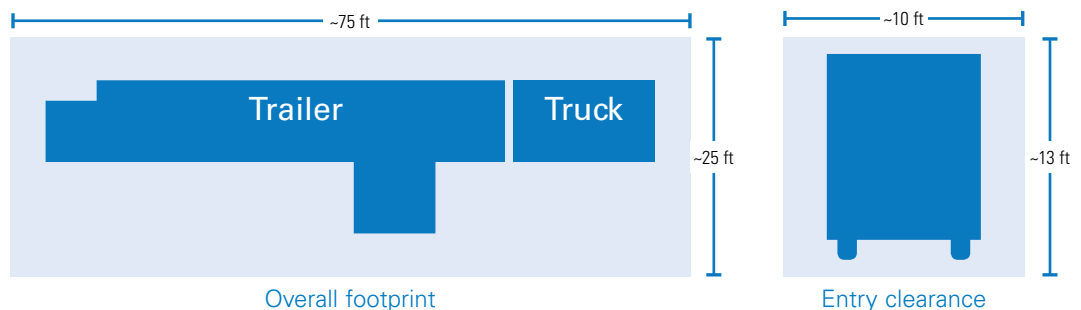
See how customers experience our industrial controls in motion tour firsthand.



## Space requirements

Appropriate space is required at each tour stop to position and open the 40-ft product trailer and tow vehicle.

- Total space required: 75 ft long x 25 ft wide x 13 ft high
- Surface must be flat and paved with asphalt or concrete
- Trailer power source is self-contained; no electrical connections are needed



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