

Integrated
Solutions for
the Entire
Motor Circuit

 **EECO**
Electrical Equipment Co

The Complex and Changing World of the Industrial Motor Circuit

The motor circuit presents a complex combination of challenges

The motor is the backbone of industrial motion. From the switchgear, through protection and control, and ultimately to the motor and the connected load – an estimated 65% percent of industrial electricity consumption occurs on a motor circuit. These machines make up by far the largest single category of electricity end use in the American economy. **Keeping them running requires a coordinated effort across the entire motor circuit.**

Today we face a new set of challenges

The **demand to reduce** the costs of maintenance and operation continues to increase. Maintenance frequency is being reduced, **there are fewer resources**, and time is even more limited. At the same time:

- **Requirements are increasing** for reliability and safety
- **Modernization challenges** are resulting from aging equipment
- **Growing complexity** for new technologies and standards
- **Energy efficiency** demands continue to increase.

The fragmented supply chain for motor systems only adds to the complexity

Electrical distributors, power transmission distributors, service shops, and a diverse combination of manufacturers combine to each focus on portions of the circuit.

EECO can help you today

We will thoroughly assess your situation, and implement methodologies that reduce complexity answer difficult questions.

A Single Source to Help You Achieve Greater Results

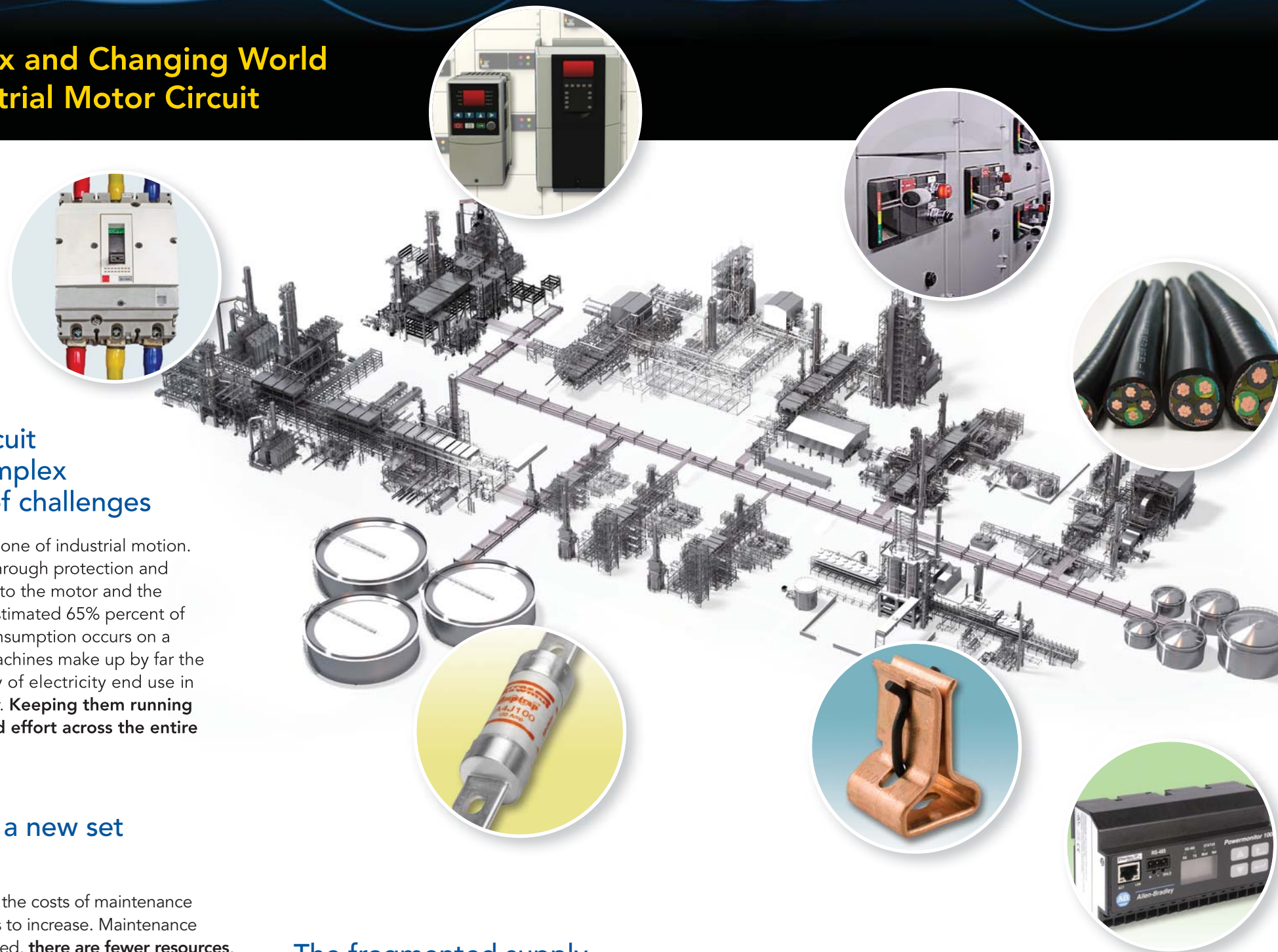
EECO is a much more integrated solution

As one of very few full line distributors with repair capabilities and field teams,:

- EECO supports product spanning the entire circuit in both low and medium voltage categories.
- Our organization is staffed with specialist in Power Distribution, Motors, Motor Repair and Drives.
- Our service team provides the hands on roles to serve your needs, including Reliability Engineers, Field Technicians, and Quality Coordinators.
- Our repair facilities provide reliability centered services and a rich data source to explore ongoing improvement opportunities.

Benefits from our integrated solution

- Lower storeroom costs from excessive or inoperable inventory
- Reduced downtime from fewer unplanned failures
- More efficient service outages resulting from improved field data
- Lower total maintenance expense resulting from longer runlife
- Higher productivity from increased reliability of the entire motor circuit



Integrated Products

We provide a complete line of products to fulfill your requirements for both medium and low voltage motor circuits. Our suppliers include major brands such as Eaton, Rockwell, Siemens, Thomas & Betts, Toshiba, Yaskawa, Merson, Omni Cable, and more.



“As one of very few distributors with repair capabilities and field teams, EECO provides a more integrated solution, offering a holistic and flexible approach to the entire motor circuit”.



NEMA and IEC Motor Control

- a. Full and reduced voltage motor starters
- b. Motor control centers
- c. Modular motor starting systems

Power Distribution

- a. Power transformers
- b. Switchgear
- c. Panelboards and loadcenters

Motor Circuit Protection and Health

- a. Circuit breakers and fuses
- b. Overload relays
- c. Smart motor protection relays
- d. Power quality monitors

Variable Frequency Drives

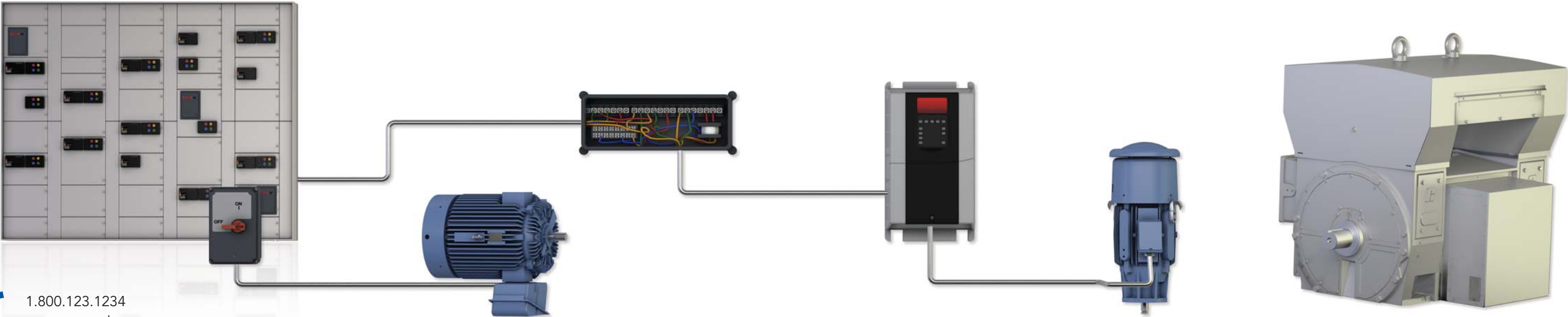
- a. Communication adaptors
- b. Drive rated power cable
- c. Short and overload protection
- d. Line reactors
- e. Dynamic braking

Safety

- a. LOTO (lock out tag out)
- b. Safety disconnects
- c. Arc flash protection

Low and Medium Voltage Motors

- a. Connection lugs, insulation, and terminal blocks
- b. Medium voltage power cabling and locomotive cable
- c. Motor bases and adapters
- d. Winding RTDs, moisture and vibration detection
- e. OEM accessories



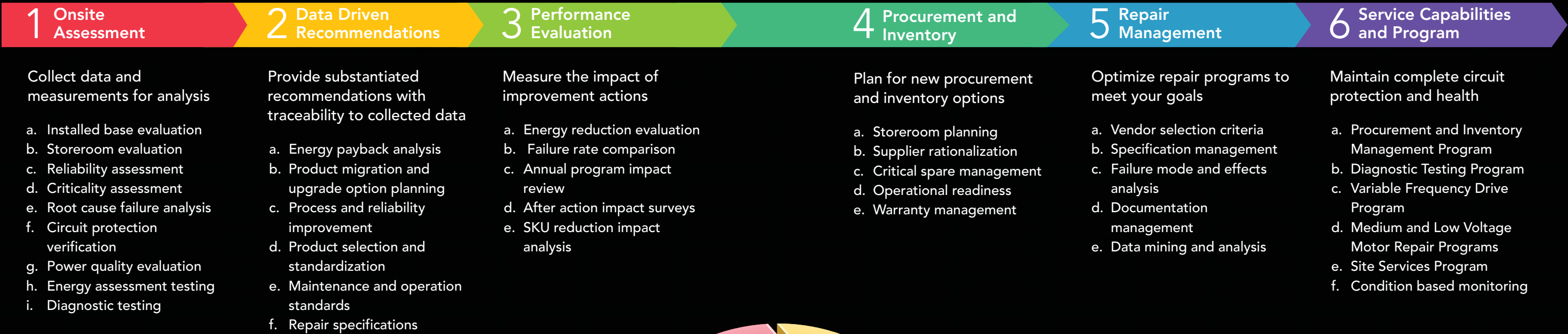
1.800.123.1234
www.eccoonline.com

Integrated Services

Comprehensive Assessment of Your Entire Motor Circuit. We access the health of the entire circuit from one convenient location with static and dynamic Diagnostic Testing.

Condition based monitoring – vibration analysis, oil analysis, and thermography.

Improvement Capabilities and Service Programs



1.800.123.1234
www.eccoonline.com

Getting Started

Getting started is simple, call 1.800.993.3326 today. We can conduct a risk free, primary onsite assessment and interview to better understand your goals. Next steps could be a reliability assessment, storeroom assessment, a diagnostic testing trial, and other options depending on your needs. You may also choose to simply request information on frequently raised question, such as how to:

- Create a criticality list and plan for risk management
- Define a program to reduce maintenance and increase reliability
- Ensure your motor circuits are properly protected
- Implement advanced protection and monitoring for critical systems
- Measure for actual energy savings potential
- Service and upgrade aging switchgear and motor control centers
- Eliminate motor bearing fluting on variable frequency drive circuits
- Reduce nuisance tripping on VFDs and high efficiency applications
- Protect variable frequency drives
- Implement a competitive bidding process for motor related products and services
- Develop a motor or motor repair specification for your needs
- Audit a motor repair provider for quality
- Implement a competitive quote process for your storeroom
- Manage motors and warranties in your storeroom

About Us

EECO is an expert in industrial automation and motor solutions, with the benefit of full line electrical distribution. Major manufacturers, OEMs, and contractors trust us to provide solutions that lower cost of ownership, increase reliability, and improve performance.

We achieve results for you by providing a combination of capabilities not typical of distributors, including onsite assessment, performance evaluation, and data driven recommendations.

Customers view EECO as a partner in production with single source responsibility. Our approach is flexible and comprehensive, allowing us to design solutions specific to your goals. Whether you are an OEM maximizing design productivity, an industrial contractor with a design build project or a process mill implementing a reliability program, we are dedicated to helping you reach your goals.



www.eecoonline.com
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