Electrical power distribution automation and control solutions

Eaton's Power Systems Controls (PSC) team provides customized automation and control solutions, enabling you to operate your electrical power distribution systems more safely, reliably and intuitively. Offering design, program development, implementation and testing for all power system applications, the PSC team takes projects from conception to final field startup and commissioning.

Overview

Eaton's PSC team engineers are experienced in switchgear automation, paralleling controls, protection, source transfer, microgrid and distributed energy resources, and more. The PSC team provides the design, programming, implementation and testing of automatic transfer schemes to offer a single point of accountability with the expertise to minimize the risk of project delays and failures.

The PSC team takes the project from conception, engineer the design and build, program and factory test the system, and perform the final field startup and commissioning. When a standard controller will not meet your application needs, the PSC team will work with you to provide a custom solution.

Eaton offers electrical power distribution automation and control solutions to safely transfer loads between multiple utility and generator sources for your facility. Our systems help provide consistent and reliable power to hospitals, universities, data centers, and commercial and industrial facilities.

EATON

Powering Business Worldwide

Automatic power transfer control systems

Eaton's experienced PSC team can assist with your control system from selection to implementation.

Services include:

- Systems ranging from a simple transfer between two sources, to complex multi-sources open/closed transfer with paralleling switchgear controls
- Custom applications to fit a variety of system needs
- Upgrade end-of-life control systems and automate manually operated equipment
- Control system and network design architecture using multiple protocols including, but not limited to, Modbus® TCP, EtherNet/IP, IEC-61850 GOOSE and DNP3
- PLC and HMI program development for power systems using multiple platforms including, but not limited to, Eaton, Rockwell, Modicon, GE and Siemens
- Multifunction protective relays-based monitoring and control solutions
- Develop hardware and software system simulation to support offline debugging and training for the end user
- Factory and site acceptance testing and commissioning
- Nationwide presence for preventive maintenance and post-sales support

Eaton offers control solutions for:

- Automatic Open and Close transition power transfer systems like:
  - Main-Main
  - Main-Gen
  - Main-Tie-Main
  - Main-Tie-Main-Tie-Main
  - Main-Tie-Main-Gen
  - Main-Tie-Gen-Tie-Main
  - Main-Gen-Tie-Gen-Main
- Utility and/or generators paralleling
- Soft loading/unloading
- Peak shaving
- Co-generation

Eaton is experienced with controls platform from all leading manufacturers, including but not limited to:

Eaton's experienced PSC team can assist with your control system from selection to implementation.

Allen-Bradley®

- ControlLogix™ standalone and redundant
- CompactLogix™
- MicroLogix™
- SLC™ and PLC-5®
- Factory Talk® ME/SE

Eaton

- ELC
- Moeller™ XC Series
- XP/XV HMI
- Visual Designer™ PC
- Substation modernization platform gateway

SEL

- Real time automation controller
- Discrete programmable automation controller

Modicon®

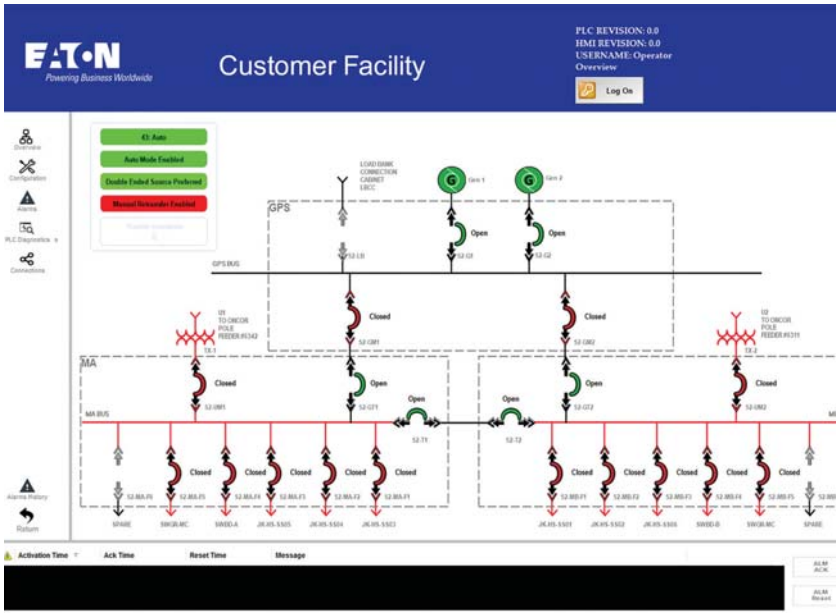
- M340
- M580 standalone and redundant
- Premium standalone and redundant
- Momentum and Quantum
- Magelis HMI

GE®

- RX3i standalone and redundant
- 90-30 and 90-70
- CIMPLICITY

Siemens®

- Simatic S7



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