

Instrumentation Services

Control & Instrumentation Expertise

Dynamo Electric is licensed to provide a full range of Electrical Engineering, Design, and Installation Services in the areas of: Power; Electrical Control; Instrumentation; Installation; and Maintenance.

Instrumentation services can range from minor design or control loop troubleshooting to major engineering/design projects with project management and installation coordination. Specializing in the design, installation, commissioning and maintenance of control and instrumentation systems, *Dynamo Electric* can provide turnkey control system and instrumentation solutions for many industrial, and manufacturing industries. The following provides a more detailed summary of the services available.

Control & Instrumentation Design and Engineering

- ✓ Needs Assessment
- ✓ System Conceptualization
- ✓ Feasibility Analysis
- ✓ CAD Drawings & Documentation
- ✓ Testing/Simulation
- ✓ Validation

Control Systems

- ✓ Programmable Logic Controller Systems
- ✓ Distributed Control Systems
- ✓ Single Loop Controller Systems
- ✓ Supervisory Control & Data Acquisition/Personal Computer Systems
- ✓ Custom Software & Advanced System Integration
- ✓ Hardware & PLC Programming

Central Utility Plants

- ✓ Boilers
- ✓ Chillers
- ✓ Cooling Towers
- ✓ Compressors
- ✓ Circulation & Distribution Systems

Shutdown Logic Systems

- ✓ Flexible modular logic design for expansion as tools and new areas are added.
- ✓ High Integrity Logic Design
- ✓ Hierarchical Graphical Screens.
- ✓ Flexible, selective shutdown of manufacturing dependent upon conditions.

Plant Startup

Normal & Emergency Power Distribution Equipment

Third Party Equipment/System Integration