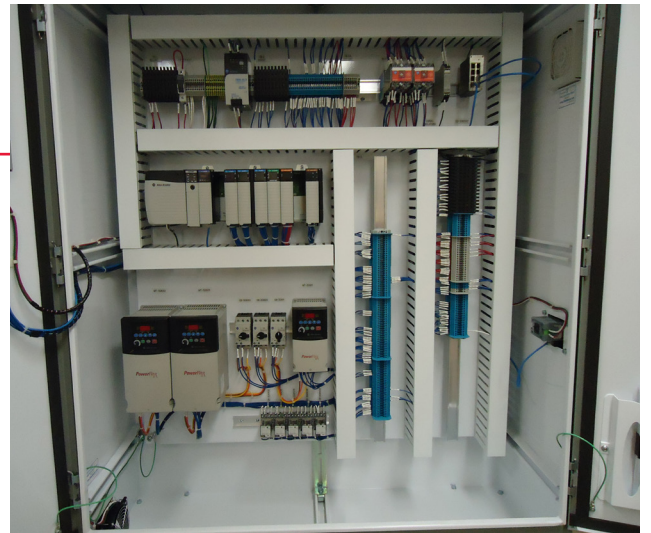




Electrical and Controls

ITAC's Electrical & Controls Department includes engineers and designers with over 300 combined years of systems integration experience. We have vast experience in the power generation, food & beverage, pharmaceutical, chemical, tobacco and OEM custom machinery industries. From plant-wide distributed process automation systems to stand-alone machine controls, ITAC offers a unique skill set that can take a client's automation project from specification to commissioning. ITAC works with many automation platforms and vendors to ensure their customers have successful projects finished on schedule and under budget. We have eight registered professional engineers on staff to provide our clients with the confidence that their electrical and controls engineering needs will be met with competence and professional responsibility.



Electrical Engineering and Design Services

- PLC/DCS Architecture
- Custom Control Panels
- Motor Control (NEMA and IEC)
- Power Distribution
- Hazardous (Classified) Areas
- Safety Circuits
- Instrumentation Specification
- Network Architecture
- Energy Savings Studies
- Scoping Efforts
- Specification Preparation
- CAD Drawings

Control Systems/Software Engineering Services

- PLC/DCS Programming
- SCADA/HMI Configuration
- Data Acquisition System Configuration
- Custom Reporting
- Software Development (.Net, VB, C#)
- Network Configurations (Ethernet/IP, DeviceNet, Profibus, Modbus, etc.)
- Coordinated Motion Control
- S88 Batch Control
- Commissioning
- Validation
- Software Specifications

RECENT ELECTRICAL AND CONTROLS PROJECTS

- Shipboard Tank Monitoring System
- Caprolactam Recovery System Installation
- Constant Emissions Monitoring Upgrades
- Boiler Fuel Conversion
- 10,000 HP I.D. Fan Upgrade
- Dust Collection System Installation
- Waste Water Treatment Plant for Power Station
- Pharmaceutical Bulk Material Handling
- Precipitator PLC Replacement
- Wood Pellet Plant Control System Installation
- Tobacco Processing Batch Control System Installation
- Film Line Controls Upgrade
- Food Packaging Line Integration
- Tobacco Press Control System Installation
- PLC Conversion For Material Handling Equipment
- Beverage Process Upgrades