



electrical manufacturing & distributors, inc.



Electrical Power Systems

Engineering Services

Plans, Specifications, Procurement, and Turnkey Solutions

Service Transformers & Substations

LV & MV Switchgear & MCCs

LV & MV VFDs and Softstarts

Large Motor Starting Equip. & Coord.

Protective Relaying

Power Factor Correction

Instrumentation

P&ID Drawing Development

Power Management

Automatic Transfer Schemes

Power System SCADA

Engineering Studies

Relay Coordination

Arc Flash Studies

Harmonic Analysis & Mitigation

Field Management Services

Site Inspection — Quality Control

Site Electrical Contract Management

Cable Terminating & Hipotting

Fiber Termination and Certification



Electrical Control Systems

PLC, DCS, SCADA, and Safety Systems

System Architecture Design

Cause and Effect Design

Equipment Selection

Control System Hardware/Software

Operator Interface Hardware/Software

Control Panels

Design

Manufacturing

UL 508A Certification Available

Programming

PLC, DCS, Safety, HMI

LV & MV Drives and Softstarts

Communication Protocols

Profibus, Profinet, Profibus PA

Modbus, Modbus/TCP

GPIO/IEEE488, HART

Commissioning

Startup

Training

Troubleshooting

Industries

- Oil and Gas
 - Gas Plants
 - Compressor Stations
 - Midstream Gas
 - In Plant Power Generation
 - Pipeline
 - Pump Stations
 - Tank Farms
 - Terminals
- Food and Beverage
 - Bottling
 - Mixing and Batching
 - Recipe Management
- Safety Systems
- Government/Military
 - Testing and Measurement
- Lumber
- Power Generation
- Pulp and Paper
- Cement
- Wallboard
- Web Control
- Water and Wastewater

Control System Components

- Allen Bradley
 - CompactLogix, Control Logix, GuardLogix
 - SLC-500, MicroLogix, PLC/5
 - FactoryTalk, RSView
- CygNet SCADA
- GE
 - RX3i, RX7i, 90-30, 90-70, VersaMax
 - iFix, ProficyView, QuickPanel
- Siemens
 - S5, S7 (S5 -> S7 migration specialists)
 - S7-400H Redundancy, S7-400F Safety
 - PCS 7, Safety Integrated
 - Simocode
- Square D
 - Compact, Premium, Quantum
- Unity
- Wonderware
 - InTouch, Historian, SCADA
 - ArchestrA, Application Server, Information Server

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