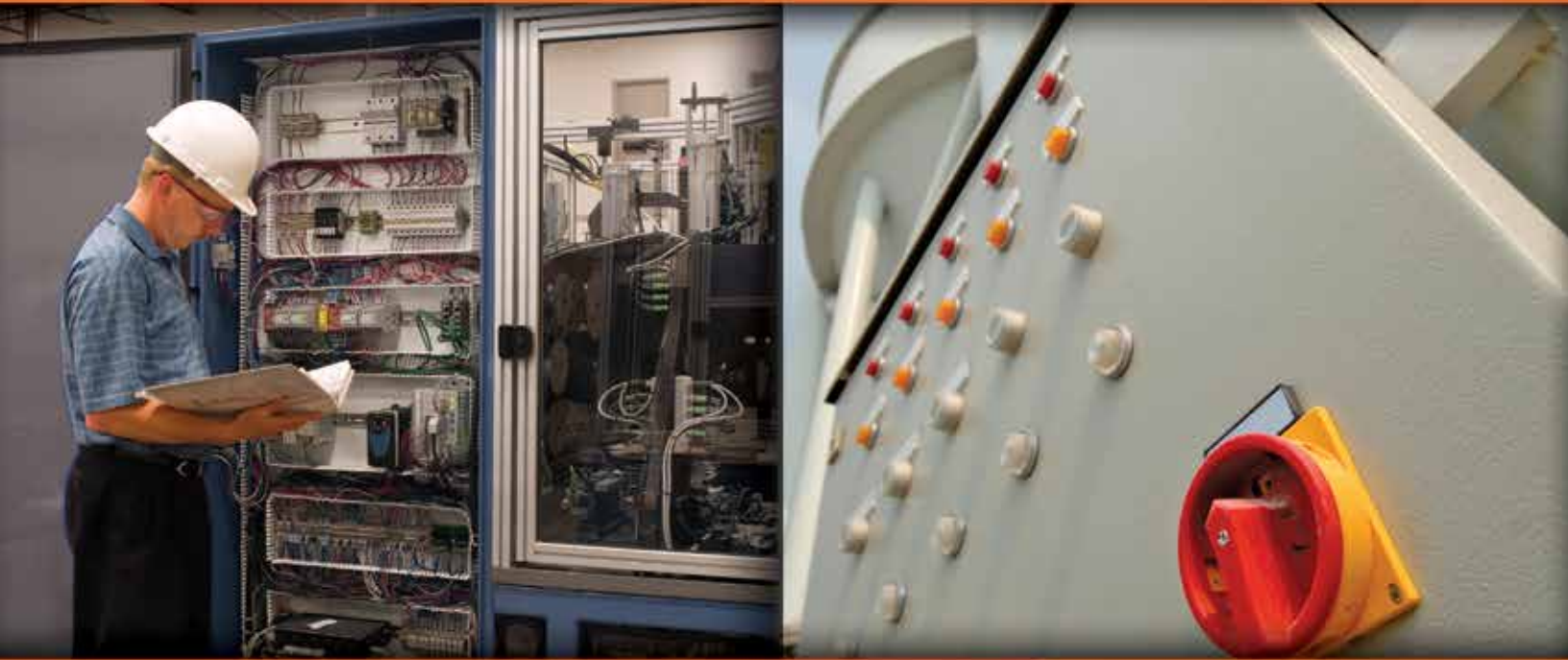


Engineering & Integration



Get experience, knowledge and skills every time you partner with

Tri-City Electric Co.

Your power and control systems are among the most crucial elements to the success of your company. More than anything, you want an electrical contractor that gives you the confidence they will have the right people, right knowledge and right solutions. Since 1895, Tri-City Electric Co. has been getting the job done for our customers. You can depend on our Engineering & Integration division to do the same for you.

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Tri-City Electric Co.
Since 1895

Experienced in engineering & integration.

Tri-City Electric Company's Engineering and Integration division has in-depth knowledge and experience. We have years of proven experience to design, build and integrate complex power distribution applications and control systems.

"Tri-City Electric Co. was a group that could come in and they could handle everything from start to finish... which was very impressive." — Joe Gosche, Project Manager, ADM Grain Corporate, Galveston, TX

AREAS OF EXPERTISE

Power System Analysis & Design

- Industrial/Commercial System Design
- Short-Circuit and Coordination Analysis
- Load Flow Analysis
- Arc-Flash Hazard Analysis & Mitigation
- Utility & Industrial System Protection
- Industrial SCADA Design
- Power Metering and Monitoring Solutions
- Energy Management Automation
- Renewable Energy Systems
- Power Quality Solutions
- Power System Documentation
- Low & Medium Voltage Equipment Specification & Evaluation

Automation & Control Systems

- Design & Functional Specification
- Machine/Process Control Upgrades
- Project Engineering & Management
- Allen-Bradley, Siemens, GE, Wago, Modicon
- Siemens PCS7
- APACS Upgrades
- Variable Frequency Drives
- Motion/Servo Control
- DC Drives
- Motor Starter Control
- Ethernet, Wireless Ethernet, ControlNet, DeviceNet, Remote I/O, DH+, Profibus
- IT/OT Support
- Control System Documentation
- Operator/Maintenance Training

Operator Interface Design & Programming

- Allen-Bradley, GE, Siemens
- FactoryTalk, RSView, GE iFIX, Wonderware, VB, .Net
- Database Interface
- FactoryTalk EnergyMetrix
- Schneider StruxureWare Power Monitoring Expert

Machine Vision & Bar Code

- Design, Configure, Program
- Cognex, Keyence

Control Panel Design & Fabrication

- Power Distribution Enclosures
- PLC Enclosures
- Operator Interface Consoles
- Motor Control Center Customization
- UL Listed Panel Shop

Installation & Commissioning Support

- Installation Specifications
- Cable/Conduit Schedules
- Project Management, construction supervision
- Troubleshooting & Maintenance Support Services

Process / Machine Safety

- Upgrades
- Analysis
- TUV Certified

Burner Management

- Tuning
- Annual Testing
- MACT Certification
- Upgrades

Process Control & Instrumentation

- SCADA Systems
- Pneumatic Control Systems
- Distributed Control Systems (DCS) and all peripherals
- Programmable Controllers
- PC Networking and Telemetry
- Autonomous Digital Control Systems
- Instrumentation Configuration, Maintenance & Calibration

Process Control Experience

- Combustion
- Distillation
- Chemical
- Gas Turbine Generators
- Steam Turbines
- Hydro Electric
- Water Purification



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