

ELECTRICAL DESIGN

- Power Diagrams
- Conduit Layout Drawings
- Conduit & Cable Schedule Layout Drawings
- Enclosure Layout Drawings
- PLC Schematic and Wiring Diagrams
- Loop Diagrams

AUTOMATION DESIGN

- PLC Programming
- HMI Programming
- Data Maps
- Safety Critical Setpoints & Control Actions Record Keeping
- Factory Acceptance Testing & Record Keeping
- Site Acceptance Testing & Record Keeping
- SCADA Design & Support

PIPELINE MODELING

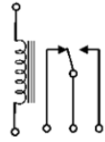
- Transient Flow Simulation for Liquid and Gas Pipelines
- Pipeline Design & Performance Analysis

TERMINAL AUTOMATION

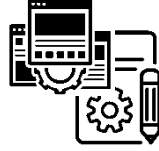
- Terminal Management Design & Programming
- Load Rack Interface Design & Programming

FIELD SERVICES

- Instrument Installation & Testing
- Field Wiring
- Commissioning Support
- Maintenance Support
- Troubleshooting Support



Electrical Design



Automation Design



Pipeline Modeling & SCADA Training



Terminal Automation



Field Services



Commitment to Safety

At Cardinal Systems Integration, our leadership and staff focus on a commitment to customer service, quality control, and safety. Our clients can rest assured that their project needs will be met with uncompromised, professional solutions. Our service offerings position us to serve most, if not all needs with one customized package. Throughout the project timeline and long after commissioning, our results are backed by unparalleled customer support. Contact us to discuss your next project.

- Our Team of Electrical Designers provide custom solutions for new infrastructure projects as well as retrofit solutions for existing systems. Throughout the process our designers are acutely aware of industry and company specific standards, ensuring that the design exceeds expectations.

- Our experienced team of Automation Engineers serve multi-industry specific needs. Through various stages of quality control, final designs are engineered to increase efficiency, reduce downtime, and prioritize safety for our clients.

- We utilize Pipeline Modeling Software to inform customer decisions, maximize process throughput, and maintain adequate protection across entire systems. Our models are also used to train SCADA teams and client teams for seamless integration and risk mitigation.

- As Terminal Automation experts, we design and program systems to support visibility, quality, and scalability for our clients loading and unloading terminals.

- Cardinal Field Services group provide customers with fast, knowledgeable, and reliable solutions for equipment consultation, onsite instrumentation service, and installation needs. Our Field Service team works together with our onsite Automation Engineers to create a synergy which drives speed and efficiency for our clients.



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