CONTROLS

OUR SERVICES



E & I INDUSTRIAL MAINTENANCE SERVICES

- . Develop and execute E&I maintenance plans
- · Facility shutdown & turnaround support
- . Commissioning & startup support
- . System & equipment inspections
- Calibrations
- . Device (Instrument, Electrical, Pneumatic)
- . Fire & Gas
- · Electronic Flow Measurement
- Shutdowns
- · Repair Shop, sales and service
- Pumps, valves, actuators, meter runs, and PSV servicing
- . Device & equipment rentals
- . Document control
- Procurement
- · +3M in inventory



MAJOR PROJECTS

- . Green field facility & wellsite construction
- Brown field facility & wellsite expansion
- · Modular process buildings pre-wire
- · Modular pipe rack modules pre-wire
- Modular E-House fabrication
 pre-wire (including skid & building)
- Power generation packages
- Low & medium voltage power distribution equipment installations
- Fiber optic installations, terminations, and testing
- Commissioning & Start-Up
- Decommissioning
- Quality Control



MEASUREMENT

- · Meter inspections & verification
- . Metering discrepancies & auditing
- Technical measurement support
 meter installations
- · Receipt point inspections
- Regulatory compliance
- · Automated data collection
- . Liquid meter proving (inline/bench/field)
- . Meter exemptions & OPEX saving
- · Product sampling & analysis
- · Measurement schematics



COMBUSTION & EMISSIONS REDUCTION

- · Preventative maintenance
- · Annual emergency shut-down testing
- . Biennial flame arrestor testing
- Complete fired heater reporting
- Ongoing support and repairs
- Custom burner & emissions tuning
- Burner panel support
- B149.3 CSA Code Upgrades (Burner Code)
- . Methane reduction
- OGI Camera for LDAR and fugitive emissions surveys
- Combustor and incinerator manufacturing & sales Fabrication



RENEWABLES/SOLAR

- Wholesale PV wire supply (RPVU)
- Solar wiring harness fabrication shop services
- Electrical field construction
- SCADA and communications
- Solar operations & maintenance (0&M) support





OUR SERVICES



AUTOMATION

- · Automated Control System Design
- Process Control, SCADA, historian, and ERP system integration
- . SCADA / IoT / Operational Intelligence
- Process optimization, control system maintenance and modernization



FABRICATION

- · Control panel fabrication
- PLC, DCS, SCADA, HMI, VFD, communications, distribution panels, junction boxes, operator control stations, Photovoltaic (PV) panels, and compressor control panels
- Deliver low-volume custom/high-volume repeatable solutions
- · System acceptance testing
- . CSA/certifications
- · Commissioning support



COMMUNICATIONS

- · Communication systems design
- Optimization through RF analysis/ topographic data
- · Mobile network design deployment
- CSA and non-engineered tower support/deployment
- · Wired & wireless networks
- · Two-way radio system design
- · Cost/benefit analysis
- Objective audit & system assessment
- · Licensing & compliance audit

