



a McINTOSH PERRY Company

Electrical Engineering & Instrumentation Solutions



OEL Projects Ltd. Electrical and Instrumentation Division offers a full suite of electrical engineering, instrumentation and project management services tailored to the Oil & Gas and Industrial markets. We specialize in design, procurement, drafting, and engineering studies.

- Project Management
- Engineering Studies
- Power System Design Services
- Electrical Design Services
- Drafting Services
- Automation Services
- Procurement Services
- Instrumentation Services



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Project Management

Working closely with our clients to understand the key project objectives up front is crucial for overall project success. Avoiding missteps and oversights at this stage will positively impact project schedule and costs during the design and construction stages. Let our experienced project managers find the optimal solution for your project today.



- Client Consultation & Needs Assessment
- Economic Feasibility Studies
- Cost Estimates, Cost Control & Reporting
- Design Basis Memorandums and Project Execution Plans
- Project Scheduling
- Construction Management
- Management of Change
- Quality Control Packages

Engineering Studies

Complete Engineering Studies, including the use of state of the art power systems analysis software allows us to fully characterize your electrical distribution system prior to construction. Equipment selection and sizing is tailored to your specific facility so you get the right system the first time.



- Arc Flash Hazard Analysis
- Load Flow & Fault Studies
- Protection & Coordination Studies
- Ground Studies
- Motor Starting Simulations
- Area Classification

Power System Design Services

Effective power system design is critical to ensure maximum process uptime. OEL Projects Ltd. can design a power system to match your specific project requirements.



- Power System Planning
- Prime Power Generation (NG)
- Emergency Power Backup Power Generation (Diesel)
- Utility Power Applications
- Automatic Transfer Switch
- Solar Power Systems
- Thermoelectric Generators
- Uninterruptible Power Supplies (AC & DC)

Electrical Design Services

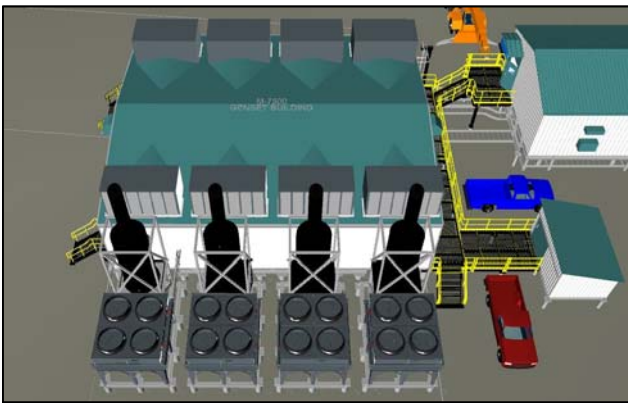
We have a proven track record of delivering safe, cost effective and reliable electrical systems for Oil and Gas facilities, well sites and pipelines. Leveraging on our significant experience leads to high efficiencies for the client and produces a fit for purpose end product.



- Electrical Construction Work Package
- Stamped IFC Electrical Drawings
- Power Distribution System Design
- Brownfield Modifications & Support
- Equipment Inspection
- Variable Frequency Drives & Soft Starters
- Plant Fire & Gas Detection Systems
- Heat Tracing Systems
- LED Lighting Systems
- Factory Acceptance & Witness Testing
- Vendor Package Management

Drafting Services

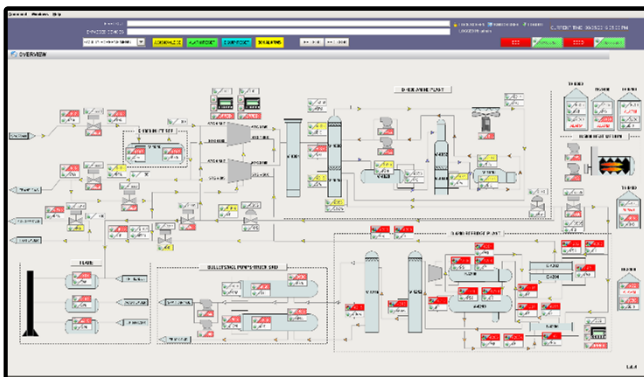
Comprehensive Electrical drawings packages including single line drawings, area classification, grounding, cable schedules, motor control schematics, low voltage distribution, building layouts, junction box wiring diagrams, control system network diagram, control panel wiring and heat trace schematics.



- Red Line Drafting
- 3D Modeling
- Complete Electrical Drawing Packages for Building Wiring and Site Construction
- As-Built Drawings
- Customized Drafting Services

Automation Services

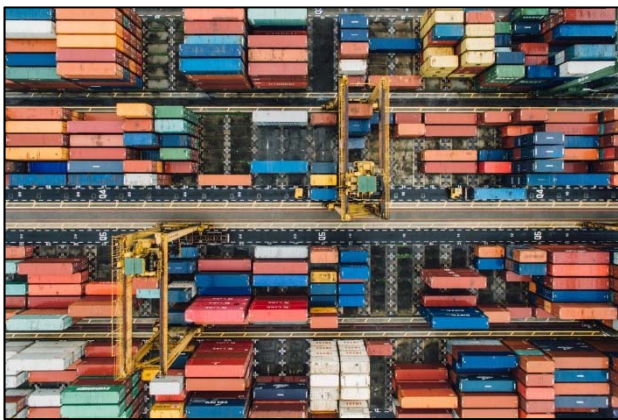
We offer field proven automation solutions to the Upstream Oil and Gas industry. Plant Automation can increase your competitive advantage by identifying potential plant upsets in a timely fashion through effective alarming and reporting methods. Clear and user friendly HMI design is critical for trouble-free plant operation. Powerful data trending can be used to maximize production and gain true process visibility.



- Plant Control Systems and Upgrades
- Control Strategy Development
- Cause & Effect Development (Shutdown Key)
- Custom DCS, PLC, RTU and Contactor Panels
- SCADA Systems
- Plant Callout and Remote Communication Systems
- Fibre optic and Ethernet Communications
- Communication Towers

Procurement Services

OEL has years of experience completing projects on time and on budget. We utilize an extensive network of reliable vendors to bring the best quality and value to your project.



- E-House Design and RFQ
- Motor Control Centers
- Medium Voltage Switch Gear
- Variable Frequency Drives and Soft Starters
- Harmonic Filtering and Power Factor Correction
- PLC Panels
- SCADA Systems
- Fire & Gas Detection Equipment
- Uninterruptable Power Supply
- Process Skid Prewire Bids
- Site Construction Bids

Instrumentation Services

Our instrumentation expertise complements our electrical design and is tailored to suit various project applications. We have years of experience successfully scoping and designing end-to-end instrumentation systems for industrial facilities. We utilize that experience along with our extensive vendor network in employing the most cost effective, accurate, and efficient solutions to fit our clients needs.



- P&ID Development
- Instrument Index
- Instrument Datasheets
- Gas Chromatographs
- Equipment Inspection
- Ultrasonic Metering
- H₂S Analyzers
- Electronic Flow Measurement



Scott Jones, P.Eng. Vice President Electrical and Instrumentation Principal Engineer

Mr. Scott Jones is Vice President, Electrical Engineering at OEL Projects Ltd. In his role, he oversees engineering personnel, technical standards, policies and procedures governing electrical engineering services provided by OEL, as well as chairing the Special Projects committee which is responsible for coordinating the development and implementation of major corporate initiatives.

Experience

- 18 years experience

Education

- B.Sc. Electrical Engineering
- P.Eng.

Leadership

- VP/Manager of Electrical & Instrumentation Dept.
- Special Projects Committee Chairman

During his tenure with OEL, Scott has worked on the detailed design, procurement, construction management, industrial automation, electrical commissioning and start-up supervision of numerous upstream oil and gas processing facilities.

Mr. Jones is a graduate of the University of Alberta, with a B.Sc. degree in Electrical Engineering and recognized as a professional engineer in Alberta (APEGA), Saskatchewan (APEGs) and British Columbia (APEGBC). Prior to joining OEL as an Electrical Project Engineer in August of 2001, Scott gained valuable professional engineering experience with Nortel Networks and Solectron Corporation of California.

“OEL set up a full service, in house Electrical Engineering Group in 2001 to increase our services to our clients and further enhance our facility design management team.”

~Scott Jones, VP Electrical Engineering

