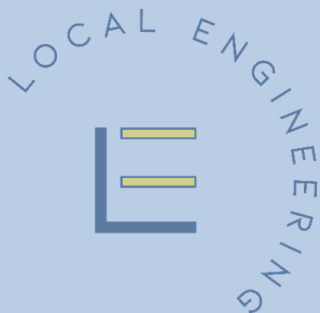




Specialized Service

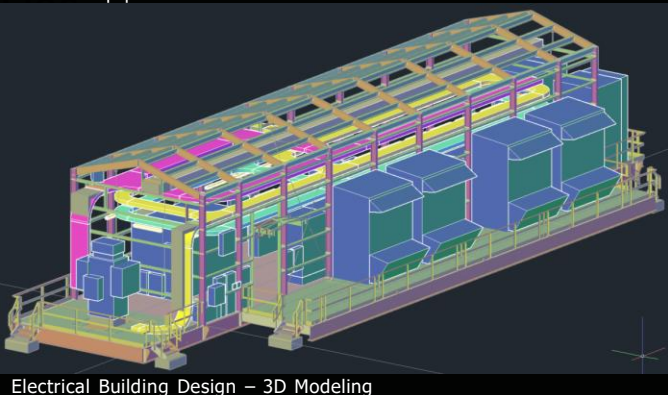
Pre-Fabricated Electrical
Building Design



VFD Building for oil sands tailings



Electrical equipment



Electrical Building Design – 3D Modeling

Electrical Building Design

As the global demand for energy continues to increase, Local Engineering remains a leader in providing professional consulting and engineering services to major industry clients. Our solutions for our industrial clients span electrical, instrumentation & controls. With deep expertise and a broad range of capabilities, we support early stage planning through construction, enabling us to make significant contributions to industrial facilities throughout North America.

Focus on Quality & Constructability

With the experience of over 100 electrical building designs, Local Engineering understands the flow of information required between the many stakeholders involved in these complex projects. From project kick-off to release for shipment, our experts facilitate seamless integration of electrical equipment, cable tray, grounding and lighting. We understand various client specifications, industry standards and drafting requirements.

Technical Expertise & Client Service

Our team of engineers, designers and drafters is technically diverse and used to working in a fast-paced, multi-discipline and collaborative environment. Our expanding list of major clients is a testament to outstanding customer service and dedication to quality.

Resource Commitment

Commitment to and alignment with client values enables our team to become part of your team. Outstanding employee retention means that the team you start a project with will be the team you finish it with. Our focus on continuous improvement and constructive feedback means that each Local Engineering experience is even better than the last.

Pre-fab Experience

- Electrical substations
- E-houses
- Variable Frequency Drive Buildings
- Pump Buildings
- Metering Skids
- Communication Buildings
- Blower Buildings
- Control Rooms

Electrical Deliverables

- Building equipment layout & sections
- Building cable tray layout
- Building grounding layout
- Building lighting layout
- Lighting calculation
- Lightning protection
- Cable schedules
- Panel schedules
- Electrical interconnection diagrams
- Lighting contactor panel layout & BOM
- Lighting contactor panel wiring diagram
- Nameplate schedules
- Instrument Datasheets
- Building Code schedules
- Cable & cable tray sizing calculations
- UPS & DC charger calculations
- Battery bank calculations



LOCAL
ENGINEERING

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Modular Building Design – Tailing Pump Building



Metering Skid Including Heat Tracing



Air Bubbler Blower Building