



We assist your organization for electrical safety with confidence

We help your organization to enhance your electrical safety with confidence, we rely on our extensive experience in the power system area to provide the solutions you need to boost the reliance on your electrical system.

We are Power System Specialists

With the combined 30+ years of experience providing innovative solutions and customer support focused on the power system area, we serve Industrial, Commercial, Property Building, Oil & Gas, Marine, Mining, and Power Industries with the conviction of providing the right result every time we convert our expertise into a real solution for your facility.

We are the power system specialist that will be ready for any challenge you might face, and we can help to overcome these obstacles with the services provided using the latest industry standards in North America.

Enerxion promote its values at the utmost safety level possible, honesty, integrity, and hard work are included in every project we perform as part of our daily services. It is a corporation operated and administrated with the commitment to provide quality engineering services for the selected and trusted customers.

Power System Highlights

- ✦ We address your power system needs with confidence.
- ✦ We are problem solving even in the most challenging situations.
- ✦ Our service goes beyond the expected results providing reliable solutions.
- ✦ We create smarter ways to solve any power system issue with our proven expertise in the area.
- ✦ We treat every project and customer in the best fair and honest way possible.

We Provide Results

Enerxion has created the customer's confidence by its proven record in solving power system and electrical safety concerns. We seamlessly integrate new additions into existing installations by our experienced engineers which understand how electrical systems are related with the worker and asset safety.



Services

Power System Studies

- ✘ Power System Assessment
- ✘ Electrical Engineering Consulting
- ✘ Short Circuit Analysis
- ✘ Protective Device Evaluation
- ✘ Protective Device Coordination
- ✘ Utility Protective Device Coordination
- ✘ Arc Flash Hazard Analysis
- ✘ Arc Flash Hazard Mitigation

Specialty Studies

- ✘ Load Flow Analysis
- ✘ Harmonics
- ✘ Motor Starting Analysis
- ✘ Power Factor Correction
- ✘ Battery Bank Sizing
- ✘ Ground Grid Studies

Engineering and Technical Design

- ✘ Electrical Design
- ✘ Electrical Test Results
- ✘ Electrical Drawing Creation
- ✘ Electrical Drawing Updates
- ✘ Electrical Equipment Selection
- ✘ Electrical Maintenance Planning

Training Services

- ✘ Electrical Safety Training - Canadian Version
- ✘ Electrical Safety Training - US Version
- ✘ Corporate or Group Training
- ✘ Self-Paced, Online or Onsite Training

Protection & Control Services

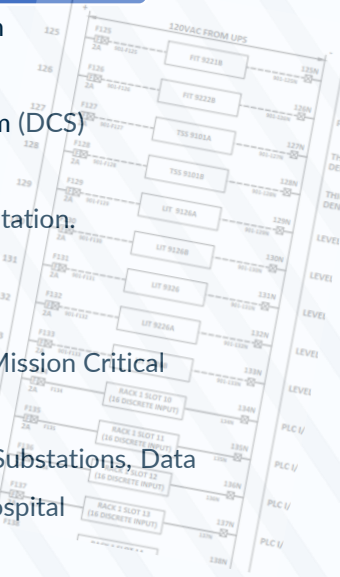
- ✘ Protection Scheme
- ✘ Transformer Differential Relay Settings (87)
- ✘ Directional Overcurrent Relay Settings (67)
- ✘ Instantaneous Relay Settings (50)
- ✘ Time Overcurrent Relay Settings (51)
- ✘ CT Saturation Analysis
- ✘ Single Line Diagrams
- ✘ Cable Schedule

Automation & Control

- ✘ Power System Automation
- ✘ SCADA Development
- ✘ Distributed Control System (DCS)
- ✘ HMI
- ✘ IEC61850 MMS Implementation
- ✘ PLC Programing
- ✘ Industrial Communication
- ✘ Power Management and Mission Critical Monitoring and Control
- ✘ Electrical Automation for Substations, Data Centers, Industrial, and Hospital

Electromagnetic Transient Studies

- ✘ Electromagnetic Transient Studies
- ✘ Switching Over-Voltage (SOV)
- ✘ Temporary Over-Voltage (TOV)
- ✘ Breaker Transient Recovery Voltage (TRV)



Contact us for more details

Suite 300 – 340 Midpark Way SE
Calgary, AB, T2X 1P1



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info@enerxion.com



Services



Electrical Testing

- ✘ Transformers
- ✘ Circuit Breakers
- ✘ Transfer Switches
- ✘ Motor Control
- ✘ Switchgear and MCCs
- ✘ Protection Relays
- ✘ Grounding
- ✘ Soil Resistivity Test
- ✘ Cables – Medium Voltage (MV)
- ✘ FAT and SAT Commissioning
- ✘ Arc Flash Mitigation



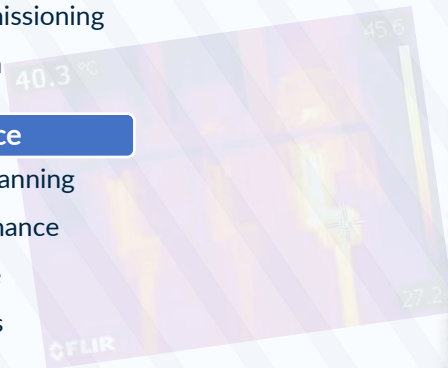
Electrical Installation

- ✘ New Equipment
- ✘ Aged Equipment
- ✘ Maintenance Shutdowns
- ✘ Medium Voltage Cable Installation




Electrical Maintenance

- ✘ Infrared Thermal Scanning
- ✘ Mechanical Maintenance
- ✘ Equipment Upgrade
- ✘ Fault Event Analysis



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Professional Association

Canada

- ✘ [Association of Professional Engineers and Geoscientists of Alberta \(APEGA\)](#)
- ✘ [Engineers and Geoscientists British Columbia \(EGBC\)](#)
- ✘ [Engineers Canada - International Professional Engineer \(IntPE\)](#)
- ✘ [Engineers Canada - Asia-Pacific Economic Cooperation Engineer \(APEC\)](#)
- ✘ [Northwest Territories Association of Professional Engineers and Geoscientists \(NAPEG\)](#)
- ✘ [Professional Engineers Ontario \(PEO\)](#)



United States

- ✘ [Nevada Board of Professional Engineers and Land Surveyors \(NVBPELS\)](#)



Safety Compliance




How we help you

We understand the challenges you face on a daily basis, whether it's adapting to rapid advancements in alternative energies or reinforcing aging infrastructure. Our team of specialists has extensive experience tackling these issues for companies like yours globally, offering a wide range of innovative solutions to propel you forward in this ever-evolving times.

We are here for you

Count on us to be there when you need support, guidance, or solutions. Our team is dedicated to being by your side whenever you require assistance, ensuring that you have the resources and expertise necessary to overcome challenges and seize opportunities in the energy sector.

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