

COMPREHENSIVE FIELD SERVICES



COMMISSIONING, MAINTENANCE, AND MODERNIZATION
FOR CRITICAL INFRASTRUCTURE ACROSS NORTH AMERICA



HV TO LV COVERAGE

SWITCHGEAR TO
SUBSTATION SUPPORT

IN-HOUSE TECHNICIANS

ONE ACCOUNTABLE TEAM

PRECISION SHUTDOWN PLANNING

MINIMAL DOWNTIME

24/7 EMERGENCY SUPPORT

POWER RESTORED FAST

THE ITI ADVANTAGE

- In-house manufacturing, engineering, and field services
- One team managing the entire project lifecycle to eliminate handoffs and speed up timelines
- Engineering and field services collaborate end-to-end to turn study results into safe, efficient energization
- Factory testing and QA/QC ahead of field work to minimize on-site issues and rework

SAFETY & QUALITY COMPLIANCE

Certification and third-party prequalification ensure site readiness across North America.

- COR certified
- ISO 9001 quality management system
- ISNetworld registered
- ComplyWorks prequalified
- Avetta prequalified
- Contractor Compliance prequalified

SYSTEM COMMISSIONING

- **SCADA integration and control systems** – comprehensive validation and setup
- **Protection and apparatus testing up to 500 kV** – relays, breakers, transformers
- **Substation and rotating machinery commissioning** – system performance verification
- **Operational assurance for new builds and upgrades** – reliability from day one

MODERNIZATION AND RETROFITS

- **Replacement solutions** – targeted end-of-life equipment upgrades
- **On-site retrofits** – minimize operational disruption via integration into existing equipment
- **Engineered solutions** – mechanical and electrical engineered designs, fabricated in-house
- **Direct integration** – new equipment operating with existing systems

PREVENTATIVE MAINTENANCE

- **Condition assessment** – HV and LV testing, IR scanning, oil analysis, load monitoring, vault maintenance
- **Engineering studies** – coordination, arc flash, ground grid, load flow, power quality, harmonics
- **Asset and outage planning** – asset management and turnaround test plans
- **Failure prevention** – identify risks to reduce unplanned outages

EMERGENCY FIELD SOLUTIONS

- **Rapid response** – 24/7 emergency support
- **Temporary power** – interim solutions for accelerated restoration
- **Advanced diagnostics** – targeted issue identification and root cause analysis
- **Operational continuity** – minimize downtime with on-site repairs and retrofits



POWERING CRITICAL INDUSTRIES

- Power Generation & Utilities
- Renewable Energy & BESS
- Data Centers & AI Infrastructure
- Industrial & Manufacturing
- Oil & Gas
- Commercial & Institutional
- Shore Power & Marine Terminals
- Transportation Infrastructure

GENERAL INQUIRIES

✉ info@islandtechnical.ca
 ☎ +1 (250) 940-3598
 ⚡ www.itipowered.com

TECHNICAL QUESTIONS

Jordan Siu, Chief Technical Officer
 ✉ jordan.siu@islandtechnical.ca
 ☎ +1 (250) 883-3255

