



HIGH VOLTAGE

PTW Energy Services' team of certified high voltage technicians has the experience and training required to complete every project with unparalleled safety, quality and service performance. Our technical experts have widespread industry knowledge and provide a comprehensive line of services. By offering 24/7/365 emergency service, we are there whenever our clients need us.

FEATURES

- Safety is of utmost importance at PTW — all employees strictly adhere to all regulations and PTW's comprehensive health and safety program
- We strictly adhere to applicable testing procedures:
 - IEEE (Institute of Electrical & Electronic Engineers)
 - ANSI (American National Standards Institute)
 - NEMA (National Electric Manufacturers Association)
 - CSA (Canadian Standards Association)

VALUE-ADDED BENEFITS

- Comprehensive line of technical services means clients can rely on us for all of their high voltage needs and can expect the same best-in-class safety, quality and service performance on all projects
- Our technical experts get the job done right — the first time — minimizing our clients' downtime





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APPLICATIONS/SERVICES

- Commissioning, testing, troubleshooting and maintenance of all medium and high voltage electrical systems
 - Motor Control Centres (MCCs), switchgear, Variable Frequency Drives (VFDs), breakers, transformers, generators
- Transformer testing, troubleshooting and maintenance
 - Power/Instrument/Current
 - Doble testing — using the advanced M4100 test system for power apparatus diagnostics
 - Transformer oil sampling
- Breaker testing, troubleshooting and maintenance
- Ground grid testing
- Infrared scanning

- Predictive Maintenance (PDMA) motor and generator testing
 - Testing capabilities: power quality, power circuit, stator, rotor, insulation, and air gap
 - Designed to monitor and trend the condition of AC induction, synchronous, wound rotor, and DC motors/circuits
- Insulation testing (hi-pot or Very Low Frequency-VLF)
 - Cables, transformers, bus sections, bus ducts, motors
- Protective relay testing, troubleshooting and maintenance
- Equipment upgrades and modernization
- Power quality monitoring and analyzing
- DC battery maintenance
- Metering testing, troubleshooting and maintenance
- Arc flash studies

