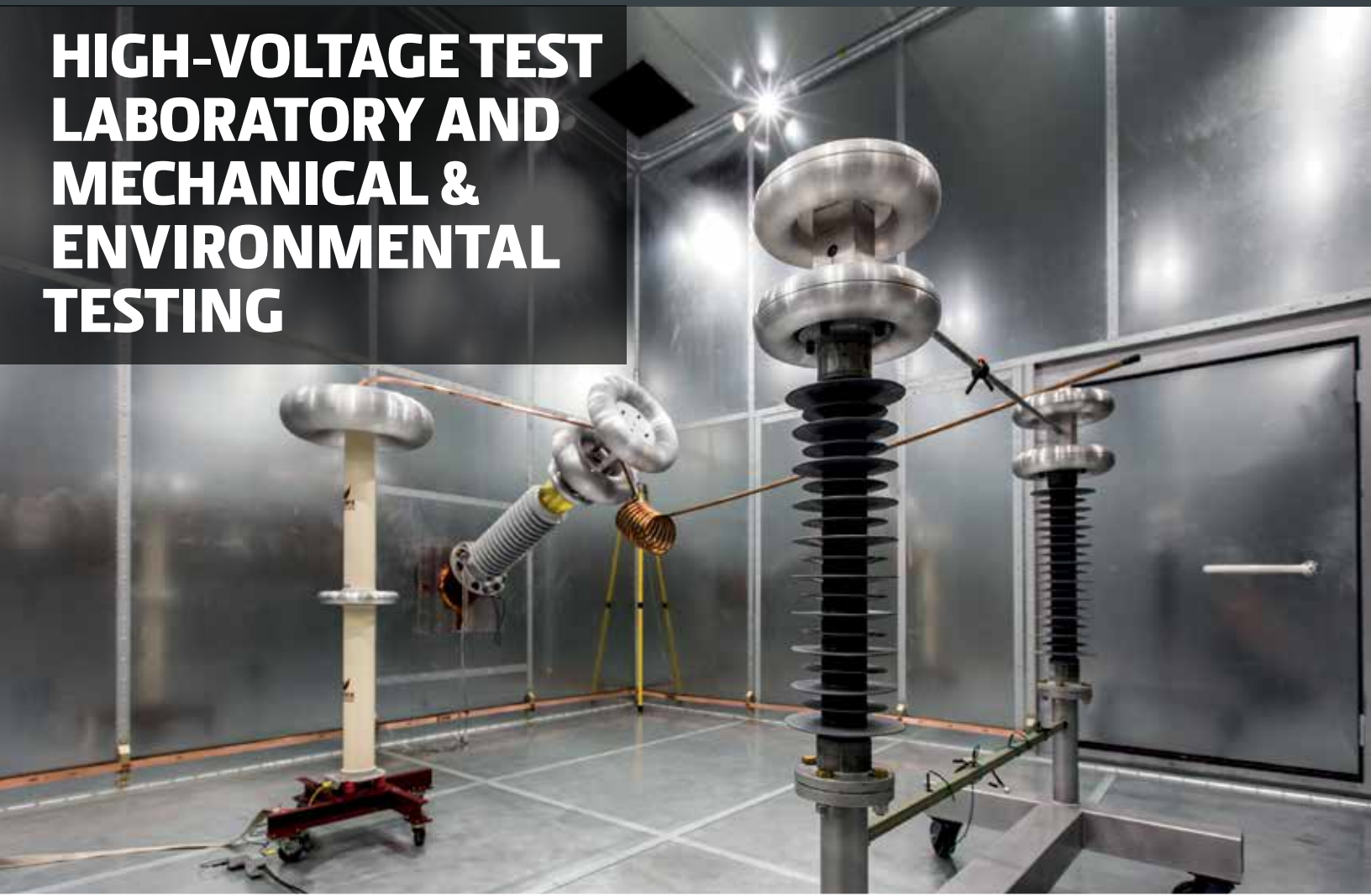


HIGH-VOLTAGE TEST LABORATORY AND MECHANICAL & ENVIRONMENTAL TESTING



Available for testing or certification of your equipment, our high-voltage laboratory is equipped with the specialized test equipment and measuring instrumentation to evaluate and certify low- and medium-voltage electrical equipment such as circuit breakers, switchgear, insulators, transformers, power cables, arresters, capacitors, pole line hardware, bucket trucks, vacuum interrupters. Additionally, we have the capability of performing a wide variety of mechanical and environmental tests.

Our experienced staff will work with you to develop the appropriate tests for your equipment. Additionally, we can assist in the redesign and modification of previously certified or never-certified electrical equipment that is used in upgrades. Engineering and technical services are available to assist in certification or design tests for all types of electrical insulating systems. Problem mitigation is our specialty.

We are your one stop for the electrical, mechanical, and environmental testing and certification of your low- and medium-voltage electrical equipment and apparatuses.



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214-442-5877
VacuumInterrupters.com



US PATENT NO. 9,031,795 B1

High-Voltage Test Lab Services

FEATURES

APPARATUS TESTED

- Circuit Breakers
- Contactors
- Switchgear
- Insulators
- Transformers
- Power Cables
- Vacuum Interrupters
- Fuses
- Bus Duct
- Surge Arresters
- Lightning Arresters
- Capacitors
- Bucket Trucks
- Pole Line Hardware
- Dielectric Materials/Insulating Materials
Solid | Liquid | Gas
- And More!

TESTS PERFORMED TO

- ANSI | IEEE | NEMA | IEC | ASTM | MIL
- And Other National & International Standards



TEST EQUIPMENT

- Impulse Generator | 500 kV/6.25 kJ
- Digital Impulse Voltage Measuring System
- AC Dielectric Test System | 200 kV
- Partial Discharge Detector | > 1 pC
- Faraday Cage
- AC/DC Current Supply | 6000 A
- AC/DC Power Supply | 0–1000 AC/DC 100 kVA
- DC Dielectric Test Set | 150 kV
- Magnetron Vacuum Interrupter Tester
- Low-Resistance Micro-Ohmmeter | 200 A
- High-Accuracy Gaussmeter
- High-Speed Camera
- Vibration Analyzer
- Circuit Breaker Timer
- Molecular Vacuum Pump
- Environmental Testing Chamber
- Numerous Miscellaneous Test Sets and Measuring Instruments

TESTING CAPABILITIES

- Partial Discharge
- Radio Interference Voltage
- Visual Corona
- Dry Lightning Impulse Critical Flashover and Withstand
- Chopped Wave Impulse
- Dielectric Breakdown: Dielectric Withstand AC, Short-Term and Long-Term Withstand
- Temperature Rise
- Vibration
- Accelerated Life
- Environmental
- Mechanical Endurance
- Speed, Velocity & Motion
- Seismic

Calibration of all test equipment and measuring instruments is traceable to National Institute of Standards and Technology (NIST)

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