

Protect People, Equipment, And Business Continuity From The Dangers Of Rogue Current

Grounding of electrical equipment serves several purposes. It protects personnel and equipment from over-voltages, faults, and lightning. It also ensures stability of system voltages by providing a solid reference to earth and establishes a reference to control electrical noise that can interfere with proper operation of IT equipment. Without a proper ground path, circuit breakers or fuses may not function properly, resulting in hazards to your employees and contractors, damage to mission critical equipment, and business disruption.



What Takes Place During This Testing Service

- We inspect the physical and mechanical condition of the main bonding connection.
- We verify tightness of accessible bolted electrical connections by calibrated torque-wrench method.
- We inspect the anchorage.
- We perform fall-of-potential test per IEEE standard 81 on the main grounding electrode or point-to-point tests to determine the resistance between the main grounding system and all major electrical equipment frames, system neutral, and/or derived neutral points.

The Benefits You Gain

Confidence in your electrical infrastructure through:

- Verification of your protection and safety from over voltages, faults, and lightning.
- Confirmation that your system voltages are stable by testing the solid reference to earth.
- Verification that there is a reference to control electrical “noise” that might interfere with the proper operation of IT equipment.
- Prevention of damage to mission critical equipment and extension of your equipment’s life.

Detection of the following grounding problems that can harm employees and disrupt your business:

- Neutral grounded downstream or bonded to ground in wrong location that can cause false or inadequate tripping.
- Inadequate control power or connections that can cause trip failure of protective devices, damage to equipment and hazards for workers.
- Failure to trip within manufacturer’s tolerances that can cause equipment damage and endanger workers.

Compliance with safety requirements by:

- Ensuring the safety of employees and contractors working on or near electrical equipment.
- Ensuring the ground system is in compliance with ANSI/NFPA 70, National Electrical Code, Article 250.

THE LIEBERT SERVICES CRITICAL DIFFERENCE FOR GROUND TESTING

Rely On The Most Qualified Technicians for Ground Testing Services

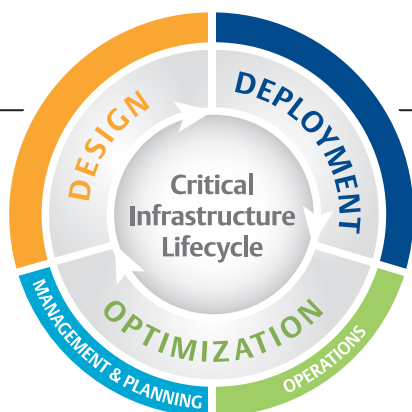
Ground Testing services are performed by field technicians from Emerson Network Power's Electrical Reliability Services (ERS) division. Located throughout the United States, ERS technicians are certified by the InterNational Electrical Testing Associations (NETA), ensuring ongoing education and adherence to strict standards in safety and electrical testing knowledge.



Data Centers depend on sensitive equipment for their day-to-day operations capacity.

- **Expertise** — We are industry leaders in electrical testing techniques. With more than 35 years in electrical testing experience and state-of-the art tools, we deliver accurate analysis of your electrical infrastructure.
- **Resources** — Electrical Reliability Services provides a nationwide network of NETA-certified field technicians with more than 350 engineers, PEs, and field technicians in more than 40 service centers.
- **Comprehensive Reports** — You'll receive a full-featured summary containing:
 - Visual, mechanical, and electrical inspection findings.
 - Identification of all specific grounding problems.
 - Recommendations for corrective actions.

All Liebert Services Testing and Assessment services ensure your Business-Critical Continuity™



Access Inc / 844 Ehlers Road / Neenah, WI 54956
www.access-inc.com / Mail@access-inc.com
 (920) 729-5900

Emerson Network Power Liebert Services and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co. All other trademarks are the property of their respective owners. ©2010 Emerson Electric Co.

EMERSON
Network Power