

## Is Something Missing From Your Total Power Protection Strategy?

**Integrated switchgear is a vital component of large, multi-module UPS systems, and your mission critical IT equipment can be at risk if switchgear fails to perform properly. Our Integrated Switchgear Services are designed to ensure proper installation, operation, and maintenance of switchgear components so your electrical infrastructure supports the best possible availability of your data center.**



Liebert Services customer research shows that about 5% of bus outages are caused by switchgear and circuit breaker failures.

### Switchgear Services Include:

- **Acceptance Testing** includes extensive visual and mechanical inspection plus primary injection testing to assure you that your equipment is installed properly and performs according to design specifications.
- **Start-Up Service** includes basic visual and mechanical inspection with secondary injection testing and verification of proper installation to ensure your systems are ready to energize.
- **Preventive Maintenance** includes overall electrical testing, which NETA recommends on a bi-annual basis, plus comprehensive visual and mechanical inspections and primary injection testing.
- **Performance Check** includes comprehensive visual and mechanical inspection, which NETA recommends on an annual basis plus secondary injection testing.

### The Benefits You Gain

- Increased system availability.
- Reduced unplanned downtime.
- Lowered overall maintenance costs — preventive maintenance costs less than emergency maintenance.
- Improved worker safety through the proper operation of protective devices.
- Peace of mind regarding your switchgear's functionality and reliability.

### Get a Preferred Maintenance Contract for Greater Peace of Mind

Available in multi-year packages, Preferred Maintenance gives you optimized availability with routine and emergency maintenance services. A typical two-year Preferred Maintenance contract includes:

- One Preventive Maintenance visit.
- One Performance Check.
- Guaranteed 4-hour response for emergency service calls.
- Coverage of labor and travel expenses for emergency services.
- Unlimited telephone technical support.

Spare parts are not included in the Preferred Maintenance contract.

# THE LIEBERT SERVICES CRITICAL DIFFERENCE FOR INTEGRATED SWITCHGEAR SERVICES

## Rely Only On The Most Qualified Technicians For Your Switchgear Services

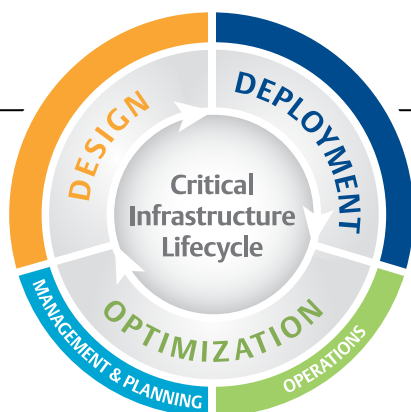
Our Integrated Switchgear services are performed by field technicians from Emerson Network Power's Electrical Reliability Services (ERS) division. Located throughout the United States, ERS technicians are certified by the InterNational Electrical Testing Associations (NETA), ensuring ongoing education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



According to IEEE Standard 493, poorly maintained switchgear circuit breakers are 62% more likely to fail compared to systems with a proper maintenance program.

- **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 circuit breakers' health.
- **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 report containing:
  - As-found condition of the switchgear and corresponding circuit breakers.
  - Calibration results of metering and corresponding controls
  - Visual, mechanical, and electrical inspection findings
  - Corrective actions taken and recommendations for additional corrective actions, if required.

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



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