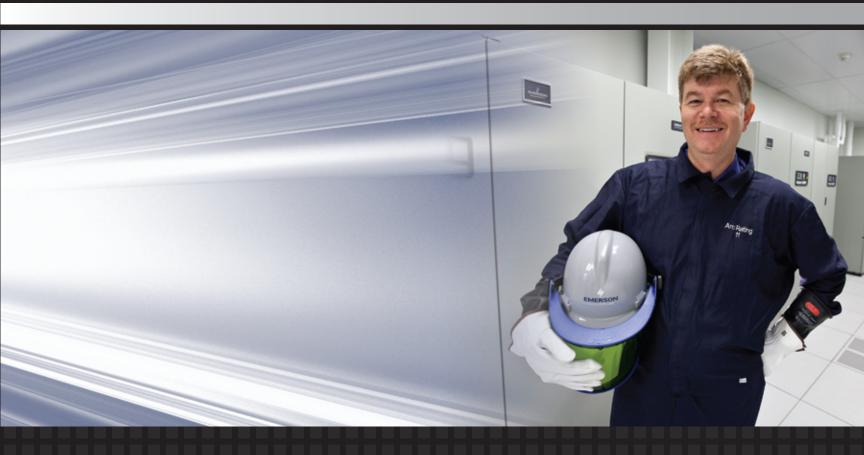
Liebert Data Center Services







Liebert Services, Your Data Center Services Expert

The Strength and Resources of Emerson

Emerson, a 150 year old, FORTUNE 120 company has approximately 129,000 employees and 250 manufacturing locations worldwide.



Breadth of Products and Services

Liebert factory trained and authorized technicians are the experts because Emerson makes more data center critical infrastructure, has more technology and leading brands and we understand data centers better than anyone. We can provide integrated solutions for your data center through services on Emerson brands such as:

- Liebert AC Power
- Liebert Precision Cooling
- ASCO Power Switching and Controls
- Alber Battery Monitoring

- Avocent and Aperture Infrastructure Management
- Knurr Racks
- NetSure DC Power
- And many more equipment types and brands



We are the Largest

Our factory trained service force is twice the size of the next largest competitor with **over 650 customer engineers** and field technicians in the United States alone. This means, no matter where you are in the US you are covered by the most knowledgeable engineers and technicians available.

We Fix it Right the First Time

Because we are the OEM, we are the experts on Liebert equipment. With the lowest error rate in the industry, on average we can touch your equipment in **5,000 service events without an error**. Our power technical support group has over **20 dedicated experts**, each with an average of **17 years of experience** on Liebert equipment whose sole purpose is to support our Customer Engineers. We have access to the engineers who built the equipment, any updates or changes, and current knowledge of all issues and how to fix them correctly.

We Invest in our People

With the most comprehensive and rigorous training and job progression process in the industry our Customer Engineers are the data center services experts. Each CE has to log over **450 hours** of hands on experience in our new state-of-the-art multi-million dollar training facility with an **11,000 square** foot equipment lab before ever touching your critical infrastructure and has a minimum of **20 hours** of training/continuing education each year.



We are the Fastest

If we need to be dispatched to your site, our onsite response time averages **1.67 hours**. However, **over 80%** of calls are resolved over the phone by our expert staff that can be reached through 1-800-LIEBERT. And, because we are a continuous improvement organization we strive to decrease this and a number of other key performance indicators to better serve your needs.



We Have the Parts

To make sure we get the right part to the right place at the right time we have the industry's most sophisticated parts logistics system. With over \$10 million in parts inventory in 8 warehouses and parts hubs throughout the US, parts availability is assured. Nearly 100% of emergency parts orders are delivered in less than 24 hours.

We Have the Best Tools

We invest in the most advanced tooling and instrumentation available. Each CE has over **\$10,000** in gear with him at all times, so any issue can be resolved in the least amount of time possible.



Your Partner in Safety and Support

Emerson maintains and follows all safety and compliance regulations necessary to keep CE's from harm, and protect our customers from liability.

Account Management for Peace of Mind

Customer Relationship Management (CRM) - A customer advocate and proactive partner to coordinate and manage all your service needs.

Customer Services Network – Online tool with equipment service history, customer training, service reports and factory notices. Comprehensive service knowledge at your fingertips.

Multi-vendor Management

Whether it is a sister company within Emerson Network Power or another service provider in your geographic area, we have the resources to manage all aspects of your data center critical infrastructure. With a network of over **250 partners**, we can provide anything you need, with the ease of single-source accountability.



Preventive Maintenance Services



- UPS/Power Equipment
- Batteries
- Precision Cooling Equipment
- Switchgear
- DC Power Equipment
- Non-Liebert UPS/Power Equipment
- Generators

System Upgrades & Replacements

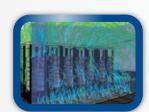


- Full bank Capacitor Replacement
- UPS Capacity Upgrades
- Variable Frequency Drives (VFD) Upgrades
- iCOM Control Upgrades

Professional Assessment and Testing



- Infrared Inspection
- Electrical Infrastructure Assessment
- Cooling Assessment
- Data Center Efficiency Assessment
- Short Circuit/ Coordination Study
- Arc Flash Study



- One-Line Diagram Update
- Site Acceptance Testing
- Load Testing
- Switchgear Testing
- · Circuit Breaker Testing
- Ground Testing
- Data Center Audit

Remote Monitoring Services



- Site Level
- UPS Monitoring
- Battery Monitoring
- Precision Cooling Monitoring
- Other Critical Equipment Monitoring

Service Management and Support



- Customer Relationship Management
- Customer Resolution Center
- Customer Services Network
- Turnkey Project Management

Liebert Data Center Services



REMOTE MONITORING

Identify Failures Faster

- With our advanced communications system, we monitor a real-time connection between your critical equipment and our Monitoring system. Your connection is secure and guaranteed.
- We monitor all critical equipment in your data center from critical power, cooling, generator, ATS and sensor monitoring. Liebert or non-Liebert, we monitor it all.
- Comprehensive monitoring reports help you understand your critical systems to take proactive steps to ensure your system availability.

Root Cause Analysis

- Trending data and remote diagnostics allow Emerson to help you find the cause of a problem. Our technical support staff is always there to help.
- We know when there is a problem or when one is developing in your critical system.

Escalation Strategy

- With our premium remote monitoring and remote services, we offer service escalation to notify or dispatch your customer engineer of any system anomaly that requires action.
- An escalation plan is a critical to your overall business continuity plan. Remote Monitoring Service includes a custom escalation plan to notify key decision makers in your company.



SOLUTIONS

- Regular Planning When you adhere to a long term service plan that includes preventive maintenance, monitoring and assessments, optimization of the entire infrastructure is the result.
- **Reduce Confusion** Daily demands such as expansion, consolidation, and increasing customer expectations regarding performance and availability can be met with custom solutions from Emerson.
- Partner in Availability Critical IT systems require a
 comprehensive service strategy that can be best
 implemented by a technical expert with the
 knowledge of your entire data center infrastructure.
 With the breadth of products and services available
 through Emerson we can provide a comprehensive
 service solution to meet any need.
- Multi-Vendor Management We manage a
 nationwide network of service providers covering all
 types and brands of data center infrastructure
 equipment. Service providers must meet Emerson's
 stringent supplier qualification requirements and must
 meet ongoing service quality standards.
- Make Things Simple Trust and enlist a service partner that can take a holistic approach to your overall critical infrastructure services needs.



COOLING

Precision Cooling, You Can Rely On Us:

Liebert Services is your only choice for factory direct services on your Liebert Precision Cooling products, including new equipment start-ups, preventive maintenance, emergency service, legacy control upgrades, energy efficiency upgrades and site assessments.

- Liebert Factory-Trained Service Technicians —
 are the best qualified to set-up, maintain and optimize
 Precision Cooling systems and controls.
- More Sophisticated Cooling Technologies Digital scroll compressors, high density in-the-row cooling, and variable speed drives are just some of the changing technologies that you need an expert to service.
- System Expertise and Understanding Only Emerson
 can combine the engineering knowledge of the latest
 precision cooling technology with knowledge of how
 to best integrate it into your overall system structure.
- Trusted Advisor We can help you apply specialized strategies such as smart aisle containment, in-rack or in-row cooling that might be the most efficient solution to help your system adapt in the dynamic data center.
- Energy Efficiency Service is part of a long-term cost saving plan that can substantially decrease energy consumption, which is critical to overall cost control.



PROFESSIONAL ASSESSMENT

Availability, Performance, and Cost Control

- Enhance IT system availability by identifying and eliminating hot spots.
- Apply vital recommendations for data center expansion and optimization planning.
- Ensure optimum electrical infrastructure performance through a detailed assessment of design, operations, and maintenance.
- Identify opportunities to significantly reduce data center energy costs without compromising availability.

Safety & Compliance

- Identify and mitigate potential electrical hazards when employees or contractors work on or near energized conductors or circuits.
- Validate and update critical system documentation, determine potential single-points-of-failure within a system, maintain compliance with safety regulations.
- Provide accurate technical documentation for safe and error-free maintenance of your data center infrastructure.

Comprehensive Reports

 Complete with site survey data and clear, detailed recommendations for improved data center performance, availability, efficiency, safety and compliance.

Return on Investment

 Data and recommendations provide the data center manager with quantifiable justification for any recommended improvements needed to enhance data center performance and efficiency.

Emerson Network Power

SERVICES FROM LIEBERT GIVE YOU PEACE OF MIND

Our commitment to proactive solutions can significantly:

- extend the life of your power systems
- decrease your capital investment
- · optimize system efficiency and effectiveness
- increase overall system availability



The cost of downtime can be staggering. It disrupts your business, distresses your customers, and impacts your bottom line. You need expert advice and expert response to assure your company's continuity and your peace of mind.

With Liebert Services on the job, you can rest assured.



POWER

- We are the Experts Because we are the OEM, we are the experts on Liebert equipment. We have the engineering specifications, access to updates and changes, knowledge of current issues and how to fix them correctly.
- With Liebert You are Covered Our factory trained service force is twice the size of the next largest competitor with over 650 customer engineers and field technicians in the United States alone. This means, no matter where you are in the US you are covered by the most knowledgeable engineers and technicians available.
- Personalized Service Emerson offers a full range of preventive maintenance programs designed to meet your specific data center needs.
- We Have the Best Tools We invest in the most advanced tooling and instrumentation available. Each CE has over \$10,000 in gear with him at all times, so any issue can be resolved in the least amount of time possible.
- We Have the Parts To make sure we get the right part to the right place at the right time we have the industry's most sophisticated parts logistics system. This means, no matter where you are in the US we have a parts warehouse close, to serve you.
- Your Partner in Safety and Support Emerson
 maintains and follows all safety and compliance
 regulations necessary to keep CE's from harm, and
 protect our customers from liability.

Emerson Network Power



ANIXTER

Contact your local Anixter Sales Representative directly or by calling 1-800-ANIXTER for more information

EmersonNetworkPower.com

Customer Resolution Center

800 LIEBERT (543 2378)

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Emerson Network Power

The global leader in enabling Business-Critical Continuity ™

AC Power
Connectivity

DC Power

Embedded ComputingEmbedded PowerMonitoring

Outside Plant
Power Switching & Controls

Racks & Integrated Cabinets

Precision Cooling

Services
Surge Protection

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