LIEBERT® iCOM™ CONTROL UPGRADE SERVICE

Equipment Upgrades and Replacements

VERTIV

BENEFITS

Balance Demands of Power and Thermal Infrastructure

Data center heating, ventilation and air conditioning (HVAC) can be a major challenge with multiple issues related to density, efficiency, and control of airflow. If you use multiple thermal systems in your data center, those issues become increasingly complex.

Your thermal management units can actually fight each other, with one unit cooling while another reheats, and another unit humidifying while another dehumidifies. This unit fighting wastes energy, and causes large variances in temperature and airflow in your critical IT environment.

Benefits

- Enhance control for better thermal management

- Improve energy efficiency and reduce operating costs

- Expand capacity

- Extend useful life of equipment

- Improve system availability and optimize data center performance

Improve energy efficiency and take control of data center performance with Liebert® iCOM™ control upgrade service

Liebert iCOM™ control upgrades allow you to network up to 32 thermal management units so they work together as a team to deliver variable capacity cooling, eliminating "fighting" between computer room air conditioning (CRAC) or air handling (CRAH) units. You get maximum control of temperature and humidity across a room or zone.

With installation and configuration help from the factory-trained technicians of Vertiv™ Services, you can fine tune your thermal management systems to accommodate changing data center conditions. This flexibility improves energy efficiency and optimizes data center performance.

Our Liebert iCOM™ control upgrade service includes:

- Advanced technology

- Expert consultation

- Installation and configuration

- Networking and integration

Advanced Technology

Liebert® iCOM™ controls are designed to help you enhance availability and reliability. They feature a large, graphic display for improving performance monitoring. You can view the status of all thermal management units and control any unit on the network from one, user-friendly display. You can also view system averages, temperature, and humidity graphs. Additionally, details from any event are automatically tracked in the event log. Networked units even deliver service alerts before problems occur. As an added benefit, the units reduce noise and airflow, creating a more work-friendly environment.

Expert Consultation

The Liebert iCOM™ control upgrade service includes collaboration with a thermal management expert. This consultation gives you a complete overview of the upgrade process, and allows us to better understand your cooling performance goals and priorities. We will discuss potential airflow issues and inefficiencies, as well as the environmental conditions of your unique space. We may recommend improvement strategies that, along with the upgrade, will reduce energy consumption significantly.

Installation and Configuration

Factory-trained technicians install your Liebert iCOM™ controls with little or no disruption to your data center environment. We will configure your intelligent control capabilities, predictive humidity controls, teamwork mode, and lead/lag functionality. And after ensuring controls are working properly, we leave you with everything you need to take control of your data center environment.

Networking and Integration

Upgrading to Liebert iCOM™ controls enables the integration of up to 32 thermal management units using standard CAT 5 cabling. This allows units to communicate and work together for greater system energy efficiency, availability, and flexibility. Our experts will ensure proper cabling/networking based on your unique infrastructure and environment. This integration eliminates unit fighting and creates a single system that optimizes data center performance.

Summary

In a typical data center, cooling accounts for 38 percent of total energy consumption. Improvements to your thermal management system are an opportunity for significant savings.

Liebert iCOM™ control upgrade service gives you variable capacity cooling for a dynamic environment and ensures teamwork among thermal management units. Expert installation and configuration of the intelligent controls immediately enable both energy and cost savings.

Ordering Information

To learn more about this service and other Vertiv solutions, visit VertivCo.com or call 1-800-543-2378.