

Engineered For Uptime: Precision Controls for Revenue-Critical Operations

In the high-stakes world of data centers, controls are about more than temperature; they are about securing revenue and managing risk. Automated Logic (ALC) serves as the controls intelligence that helps meet precision environmental monitoring and open integration requirements while conforming to the industry's most demanding Service Level Agreement (SLA) performance standards. By designing our solutions to address the strict uptime requirements of data center operators, we deliver proven operational resilience and efficiency for all data center types.

Intelligence That Supports Performance

THE ALC ADVANTAGE



Securing the SLA with Critical Alarming & Rapid Response: We secure the SLA by combining advanced critical alarming with the WebCTRL® Building Automation System (BAS) and FDD tools. Actionable data prioritizes events, and when paired with our vast dealer network, we support rapid onsite response targets to minimize Mean Time to Repair (MTTR).



Secure Data Exchange with Native BACnet/SC: We utilize native BACnet Secure Connect designed to provide a secure, encrypted foundation for data integration across diverse equipment (chillers, UPS, generators), breaking down operational silos while mitigating cybersecurity vulnerabilities.



Strategic Crisis Response & Single Point of Contact (SPOC): With a Strategic Accounts agreement in place, we deliver a unified, high-impact response, providing a dedicated SPOC and activating our extensive dealer network when it matters most.

From Design to Optimization

THE LIFECYCLE ADVANTAGE



Precision Environmental Control

Maintains precise temperature and humidity based on real-time conditions to support Power Usage Effectiveness (PUE) and Total Cost of Ownership (TCO).



Engineered for Interoperability

Our open BAS platform provides integration to EPMS and other critical data center systems for end-to-end visibility and remote management.



Proactive Asset Planning

Shift from reactive repairs to strategic capital planning. Continuous monitoring helps extend asset life and maximizes investment.

Global Scale, Specialized Expertise

Automated Logic is a proven leader in building automation, bringing decades of innovation and deep technical expertise to the mission-critical market. As part of Carrier, we combine this specialized controls pedigree with the global backing of a leader in intelligent climate and energy solutions. This gives data center stakeholders the ideal partnership: specialized local execution backed by the global capacity to handle complex, multi-site enterprise rollouts with consistency and resilience.

Strategic Accounts: The Master Service Agreement (MSA) Advantage



Single Point of Contact: Resolves coordination complexity.



Standardized Processes: Consistent deployment across all sites.



Streamlined Management: Centralized billing and warranty.



Scalable Support: Ready for expansion and new builds.

Automated Logic and Carrier QuantumLeap™ Data Center Solutions

QuantumLeap Data Center Solutions

Carrier QuantumLeap delivers an integrated, scalable solution to manage the entire thermal lifecycle, from chip to chiller. Through intelligent cooling, digital controls, and predictive monitoring, it ensures real-time optimization, adaptability, and efficiency in even the most demanding environments.

Automated Logic is a core component of Carrier QuantumLeap, uniting intelligent cooling equipment with secure controls to deliver optimization at every stage.

The Three Pillars of QuantumLeap



Equipment and Service



AutomatedLogic

WebCTRL®

Building Automation
and Controls



Management Software

ABOUND

Predictive Insights



Automated
Logic



ABOUND

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