

ENABLING THE NEXT GENERATION OF DATA CENTER

Robust automation solutions for resilient, efficient data center operations

Achieving Reliability and Scale—from Power Generation to the Data Floor

Emerson delivers integrated automation across critical data center infrastructure—improving PUE and WUE while keeping uptime non-negotiable. Our portfolio brings measurement, control, and optimization together across cooling, power, and reliability systems to support scalable growth and faster deployment of new capacity.



Optimize Cooling Performance

Accurate, real-time measurement across chilled water, condenser water, and heat rejection systems supports efficient thermal management and scalable cooling operations.



Control Flow and Protect Uptime

Reliable isolation and precise flow control enable safe operation and predictable performance across cooling and mechanical systems during commissioning and load changes.



Manage Power and Energy Efficiency

Integrated power and energy management provides visibility into distribution and consumption to support PUE improvement, capacity planning, and resilient power delivery.



Improve Asset Reliability

Condition-based monitoring and predictive diagnostics help detect issues early, reducing unplanned downtime and extending the life of critical infrastructure.



Centralize Monitoring and Control

A secure, scalable distributed control system enables consistent operation of cooling, power and auxiliary systems across the facility.



Your Trusted Automation Partner for Data Center Performance

From design and construction through operation and expansion, Emerson partners with data center owners, EPCs, and system integrators to accelerate delivery, reduce schedule risk, and deliver reliable, scalable automation across critical infrastructure. With a proven portfolio and deep domain expertise, Emerson helps simplify complexity, protect uptime, and support long-term performance—so you can build and operate data centers with confidence.

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