



Build trust and grow your project funnel with winning bids and proven project delivery



Challenges

Data center capacity is projected to double to 200 GW by 2030. For every 50 MW of this capacity, as many as 1,000 valves are needed. That's **2,000,000 valves in the next 5 years alone**. Securing supply in line with accelerated build schedules can determine success.

1000+
VALVES
FOR EVERY
50 MW



As the industry races to meet the demand, equipment specifications can be rushed, overly complex and often inaccurate. At the speed your teams need to move, spec sheets can progress to purchasing without optimization **leaving value on the table**.

HIGHLY
COMPLEX
VALVE SPECS



Competition for design firms and contractors is fierce. Success requires bold thinking to **unlock value and speed** while delivering on the uptime reliability, energy efficiency and project delivery schedules that developers expect.

RAPID
DELIVERY
SCHEDULES



Partner with a Data Center Valve Expert

Your edge in the fast-paced, ultra-competitive data center buildout

The pace of data center construction is accelerating. Projects are being scoped, bid, awarded and delivered faster than ever. The right supplier partnership can optimize design, accelerate delivery and help your teams focus on what really matters: building differentiated, winning solutions in a high-stakes market.

What We Do

As an expert valve partner, Emerson can add unique value to your data center projects:

- 1** Our leading valve technology means you can select products with confidence that meet developer uptime and energy efficiency goals.
- 2** Our deep application expertise is applied to complex project specifications to yield tested solutions that unlock value for differentiated, competitive bids.
- 3** The strength of Emerson's global manufacturing capabilities, local inventory and on-site support delivers against aggressive project schedules.

How We Do It

To move at speed, navigate complexity and unlock value, you need a partner with the global strength to match your ambition, that also has the local presence to help you execute with confidence. Emerson is unique:



Superior valve technology



High-capacity manufacturing



Deep global supply chain



In-region inventory



Specification expertise



On-site services and support



Single vendor accountability

Valve Solutions

Backed by trusted brands such as Keystone™ and KTM™, Emerson has an unmatched valve technology portfolio with local capabilities to deliver fully integrated solutions that are assembled, calibrated, tested and ready to install.



Butterfly Valves

Achieve bubble-tight shutoff and modulating flow control over an extended cycle life.



Ball Valves

Ensure high flow, tight shutoff and simple installation in cooling distribution systems.



Backflow Prevention

Protect your critical equipment and maintain the integrity of your cooling loops.



Actuation Solutions

Match the requirements of your system with compact, efficient and economical actuators.

Technology Selection Matters

The quality of your valve selection impacts data center performance. Superior designs deliver:



Fast-acting, tight shutoff valve operations that deliver uptime commitments.



Precision geometries maximize flow to drive lower PUE and energy costs.



Robust materials and proven cycle life deliver long term cooling reliability.

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