

# Rittal – The System.

Faster – better – everywhere.

## 3 Edge Cooling Challenges...



**1. Dynamic Temperatures:**  
Fluctuating ambient air temperatures can shorten the life of components.



**2. Future-proofing:**  
Small, confined micro data centers can impact scalability when adding equipment or planning for future growth.



**3. Increased Power Density:**  
Power density is not easily managed with large room cooling designs, which can impact growth.

Edge cooling introduces new challenges to the complexity of IT equipment cooling, including:

## ...And How Rittal Helps

With thousands of installations in the globe's toughest, uncontrolled environments, Rittal can offer the same trusted quality to tackle Edge-related problems, such as our:

**1. Full Line of Accessories:**  
Cooling solutions include in-rack air flow management and AC units designed for fluctuating IT loads; in addition, enclosures are NEMA-rated to protect against dusty, damp environments.

**2. Scalable Solutions:**  
In-row cooling scales to match evolving equipment configurations to protect future growth.

**3. Closed Loop Cooling:**  
Closed loop solutions handle large thermal loads and power density challenges without the need for aisle containment cooling systems.



Download our *Edge Infrastructure Handbook* to learn more about how Rittal is leading the way to the edge.

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For additional information, please contact: Rittal Data Center Sales at 847-240-4630 or [Datacentersales@rittal.us](mailto:Datacentersales@rittal.us).



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