



High-Performance Computing Centers with Energy Recovery

At QScale, we make world-class, environmentally responsible hosting our business and our mission. Our facilities are designed around HPC applications, all with unmatched power capacity and market-leading rates.

Purpose-Built Infrastructure for HPC and AI Processing

By combining our expertise and cutting-edge infrastructure with significant environmental and clean-energy advantages, QScale strives to be the global leader in green HPC and AI computing infrastructure hosting.

Future-Proof Your Business With:

- Customized cooling solutions, including liquid cooling directly at cabinet
- Private substation with two distinct live feeds from the utility provider
- Over 300 kW per cabinet
- Complete scalability and flexibility
- Lowest carbon impact

99.5% clean and renewable energy

Lowest electricity rates in North America

Stable and predictable electricity prices

“We want to lead the decarbonization of computing.”

— Martin Bouchard,
Co-founder & President of QScale



North American Data Center Project of the Year

Q01 Campus Technical Specifications

CAMPUS	
Located in Quebec City area, Canada	Best-in-class energy efficient facilities
Close to Quebec City International Airport (YQB)	World-class telecommunication infrastructure
Brand-new facility with 142 MW total power	Unique, ESG-friendly energy recovery
QScale-owned high-voltage electrical substation with two distinct live feeds	

BUILDING SPECIFICATIONS	
Total building space: ~930,000 sq. ft.	Concrete floors with high load per sq. ft.
White space: ~39,000 sq. ft. per phase, total ~313,000 sq. ft.	Flexible, adaptable data room space; dedicated suites available
Modular design for rapid customization and deployment	Tier 3 compliant design

POWER	
99.5% clean and renewable energy	Medium voltage internal power distribution (2N redundancy)
Low and predictable electricity rates	Industrial grade medium voltage UPS systems
Reliable and robust electrical grid	240/415V circuits to cabinet
96 MW of protected customer IT load	Supports over 300 kW per cabinet

COOLING	
Full free cooling for up to 80% of the year due to cold climate	Committed to a PUE of 1.2 or better
Water cooling system to the cabinet	Fully customizable air and liquid IT cooling solutions
Liquid cooling over 300 kW per rack	

SECURITY	
24/7/365 physical security monitoring	On-site security staff 24/7/365
State-of-the-art access control system	Video monitoring with HD security cameras and archives
Man trap entry system, bulletproof guard station	

CONNECTIVITY	
Carrier neutral	Direct access to low latency, reliable and redundant telecom networks to major hubs in North America and Europe
Multiple entry points	

OTHER SERVICES	
Office space available with customer lounge area and free parking	Dedicated storage area available
24/7 Smart Hands & Eyes for technical assistance needs	EV charging stations
Shipping and receiving areas with multiple loading docks	