

Modular Data Centre

Prefabricated modules for rapid deployment



Customization



Factory Assembly Test



Containerized Shipping



Commissioning

Plug and play data centre solutions

Canatec's range of prefabricated modular solutions can be deployed almost instantly, enabling operators to respond quickly to an expected surge in demand. Installed according to your individual power, cooling or computing needs.

Each module can be customized to specific workloads or environmental conditions, such as high-density computing or edge deployments in remote locations.

- **Faster Implementation:** Deploys modular data centre solutions in a fraction of the time taken to buildup or retrofit.
- **Quality Management:** Comprehensive factory testing ensures adherence to defined quality standards before delivery.
- **Cost Optimization:** Consolidated manufacturing and testing reduces possible budget deviation.

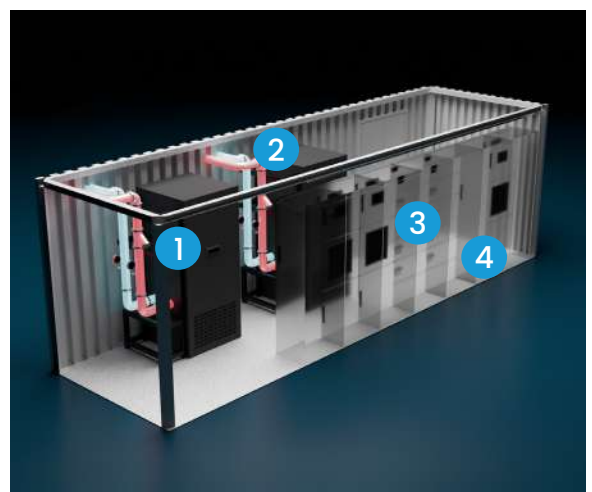
Power Module

MODULE TYPE	POWER DELIVERY	DESIGN LIFE
Skid or Container	1.2kVA	20 Years

ACCELERATE DEPLOYMENT CYCLES

Delivers critical power while optimizing space, available in standard containers or open skid configurations. Select from all-in-one or separate power distribution modes.

Through a wide range of customizable components, each power module can be configured to the required capacity, power architecture, redundancy, and site conditions.



KEY COMPONENTS ① **CANATEC PRECISION COOLING** Ensures optimal operating conditions. ② **INTEGRATED INFRASTRUCTURE** Optimized cables and piping. ③ **POWER DISTRIBUTION** RMU, MV switchgear, transformer, LVSB, UPS. ④ **SAFETY SYSTEMS** Integrated fire detection and suppression, 24/7 monitoring by ECMS, 2 hours fire rated wall.

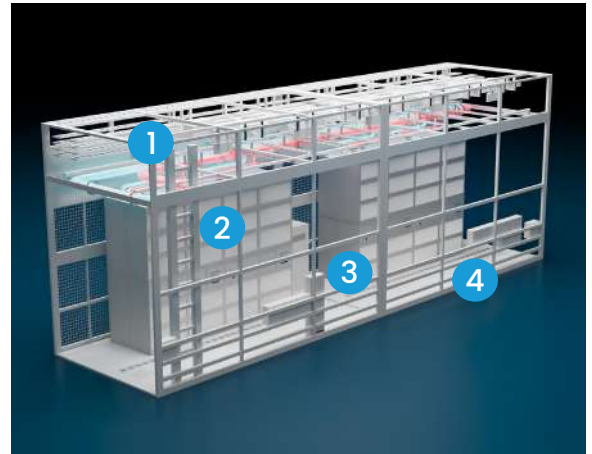
Cooling Module

MODULE TYPE	CAPACITY	PUE
Skid or Container	Up to 1.2MW	As low as 1.25 - 1.28

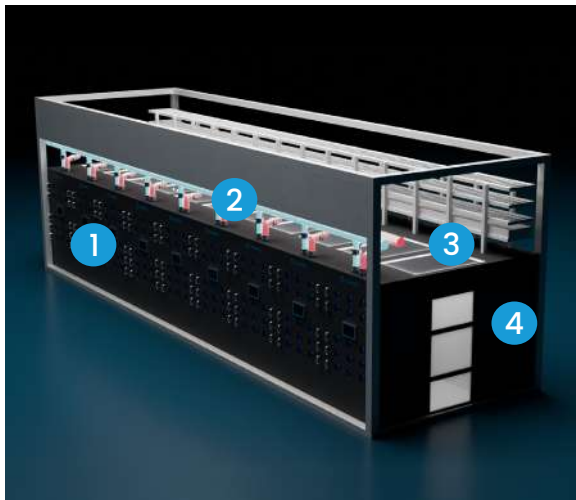
CUSTOMIZABLE COOLING OPTIONS

Consolidates powerful cooling units, piping, controls and associated infrastructure into a modular container or steel skid framework, enabling rapid increase in cooling capacity.

Designed to maintain optimal conditions within the IT hall, each cooling module functions as a standalone mechanical corridor, providing powerful cooling where required.



KEY COMPONENTS ① **OVERHEAD INFRASTRUCTURE** Optimized cables and piping. ② **CANATEC FAN WALL** Up to 800kW of powerful cooling per unit. ③ **ELECTRICAL PANEL** Multiple control functions and 24/7 monitoring by ECMS. ④ **STEEL SKID FRAME** Durable structure for industrial purposes.



Data Centre Module

MODULE TYPE	IT LOAD	HEAT REJECTION
Skid Only	Up to 1.2MW	Chiller or Cooling Tower

READY FOR AI

Engineered for rapid data centre expansion, our all-in-one Data Centre Module integrates cooling, power, and IT rack infrastructure into a single skid-mounted solution.

Suitable for phased expansion and edge facilities. Compatible with prefabricated secondary loop piping for liquid cooling integration to enable IT load of up to 1.2MW in a single module.

KEY COMPONENTS ① **CANATEC COOL WALL** High efficiency standard AC/800VDC cooling. ② **BUILT-IN HOT/COLD CONTAINMENT AISLE** Maintains optimum thermal performance. ③ **IT RACKS** High ventilation, high strength, static load up to 1800kg. ④ **POWER DISTRIBUTION & PROTECTION** Maximizes uptime, 24/7 monitoring by ECMS.

Overhead Module

PREFABRICATED OVERHEAD INFRASTRUCTURE

Integrates power distribution, liquid cooling, networking and containment into a single customizable overhead installment. Adjustable to rack heights, aisle space, and airflow requirements.

