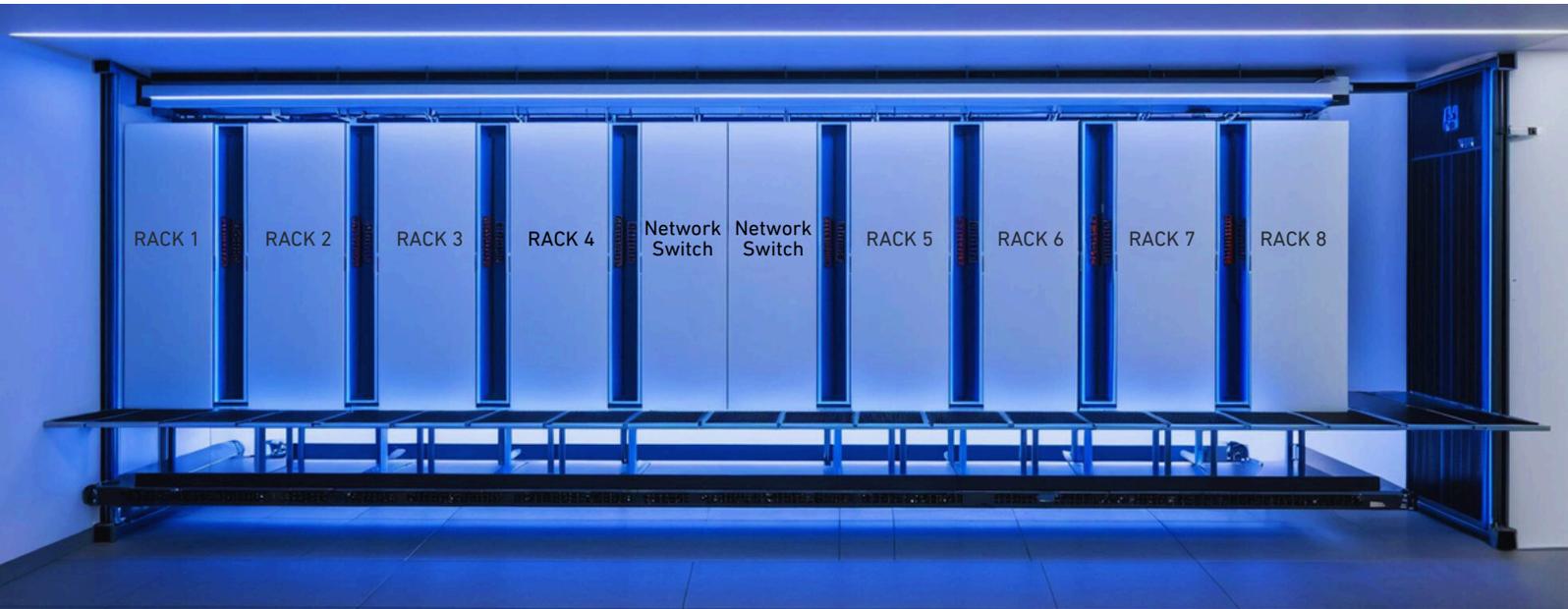


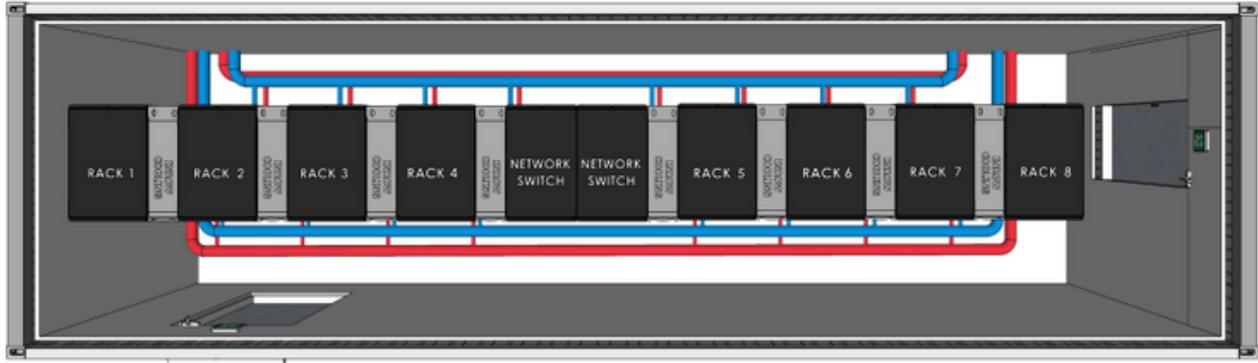


HPC AI MODULE

**Modular, Scalable,
Flexible, Robust.**

DXN delivers a range of prefabricated modular, turnkey solutions for HPC AI Module solutions from 1MW to 2MW that supports power density per rack up to 120kW per Rack. Multiple open modules can be seamlessly interconnected, enabling expansion to larger data halls with capacities between 5MW and 10MW. This approach offers unparalleled flexibility, scalability, and resilience for rapidly evolving HPC AI environments.





FUTURE-READY AI INFRASTRUCTURE

DXN AI Modular Data Centre combines cutting-edge technology with scalable design to meet the growing demand of AI infrastructure. Engineered to support the most demanding AI and data-intensive applications, the data centre provides a robust and flexible infrastructure that adapts to evolving needs by using cutting-edge Direct-to-Chip Liquid Cooling.

KEY FEATURES

	FEATURE	DESCRIPTION
RACK	High Density Racks and Module	Capable of supporting 1MW to 2MW per module Supports 100kW to 200kW per rack
	Optimized Rack Design	Supports tall 52U racks with additional overhead space for bus ducts and cable management.
	Heavy Load Support	Racks can accommodate up to 3000kg static rack load.
COOLING	Hybrid Cooling System	80% - 90%: Direct – To – Chip Liquid Cooling Cooling system for GPUs and CPUs
		10% - 20%: Air Cooling Remaining components in the rack like network cards and memory chips
	Efficient Maintenance	Piping and valves are prefabricated as part of the module beneath a 800mm raised floor, allowing easy maintenance access.
	Dual Piping Loops	Includes separate loops for CDUs and CRAH units, enabling both warm and chilled-water loops.
	Factory-Integrated Piping System	Piping distribution and valves are prefabricated, tested, and installed as part of the module.
OTHERS	Uptime Tier Standard	Built to Tier III or Tier IV standards for reliability
	Redundant Power Options	Optionally redundant power backup and power distribution can be integrated as part of the DXN AI modular solution
	Fire System	Equipped with VESDA fire detection and automatic gas suppression; fire-rated options for 60, 90, or 120 minutes

COOLING SYSTEM & DISTRIBUTION

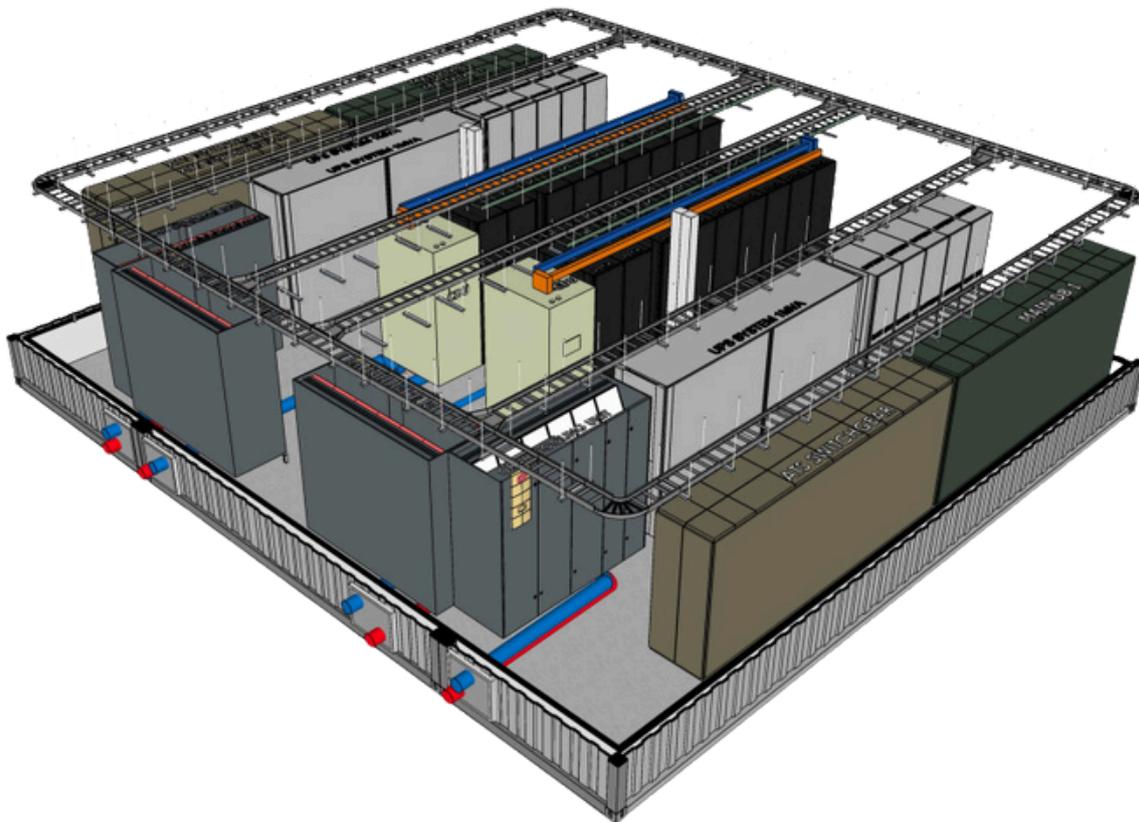
DXN provides a complete solution for cooling system that can be completely prefabricated and tested in factory before shipping to site

InRow or InRack CDU	BUILT IN PIPING	CDU PIPING DISTRIBUTION
Can be deployed with centralized CDU or In Rack CDU depending on rack density	Piping is built in the module underneath the raised floor and connections provided on the outside for easy connection to the water loop	All piping distribution from CDU to the manifold behind the rack is prefabricated in the factory and installed underneath raised floor, avoiding any requirement for water piping above the racks

POWER DISTRIBUTION

Complete power distribution built into the module with power feed available on top of the racks for easy termination to the racks, all tested before shipping.

CABLE MANAGEMENT	POWER DISTRIBUTION	COMPLETE POWER SYSTEM (OPTIONAL)
Cable trays and bus bars for power and fibre distribution provided on top of the racks	Complete power backup and power distribution built into the module with power feed available on top of the racks for easy termination to the racks	Complete power system with redundancy including main distribution boards, UPS and battery backups



Value Proposition and Key Differentiators



Quality of Design and Build

Every data centre is custom built as per each customer's requirements by our Australian based design, engineering and manufacturing team.



Vendor Agnostic

With ever-increasing data centre size and complexity, we understand the need for equipment and vendor flexibility and work with our customer's requirements. Our vendor agnostic approach avoids vendor lock in and our custom design approach facilitates budgetary and technical requirements.



Accelerated Time To Market

Factory prefabrication of the data centre modules allows civil, electrical and mechanical site works to be completed in parallel, reducing project delivery times dramatically.



Custom Built Modules

DXN builds custom-designed modules for High Performance Computing AI Data centres



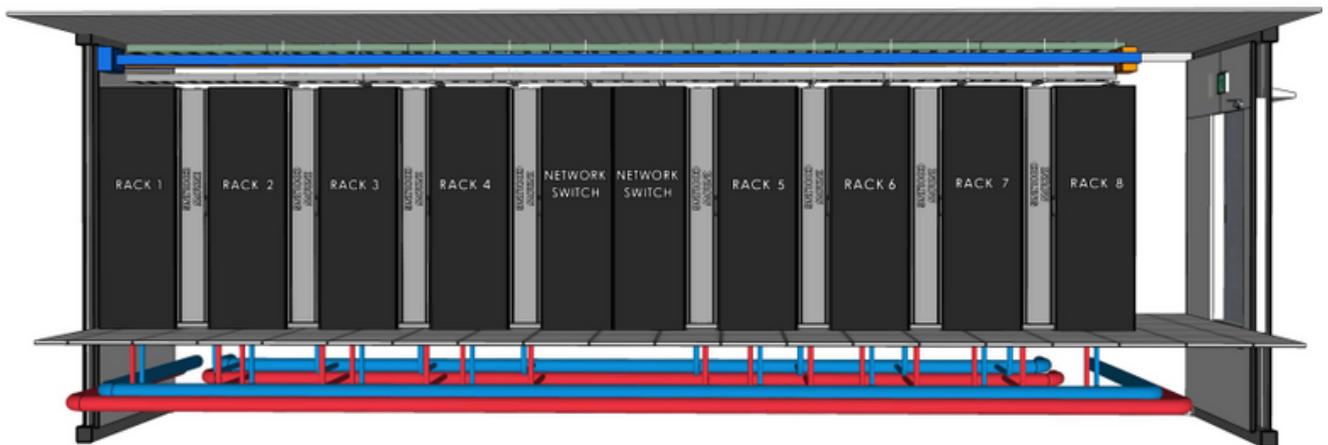
Robust Solution

DXN engineer, manufacture and deploy a range of transportable, energy efficient, ruggedised modules ideal for remote site operations and rural areas. Modules can be specified to withstand harsh environments such as zone 4 seismic conditions, category 5 cyclones and also have surface protection for highly saline coastal conditions.



Modularity and Scalable

DXN designs for maximum flexibility to reduce the risk associated with future capacity planning issues. Our solutions offer substantially smaller upfront capital investment than traditional data centre offerings.



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