

Modular Data Center

Schneider Electric MDC Overview

Life Is On

Schneider
Electric

Prefab for fast deployment

The Modular Solution to the AI Infrastructure Challenge:

Modular data centers enable organizations to accelerate AI adoption



Speed-to-market

Standardized modular platforms accelerate build cycles



Power Scarcity

Prefab enables faster deployment and relocatable capacity



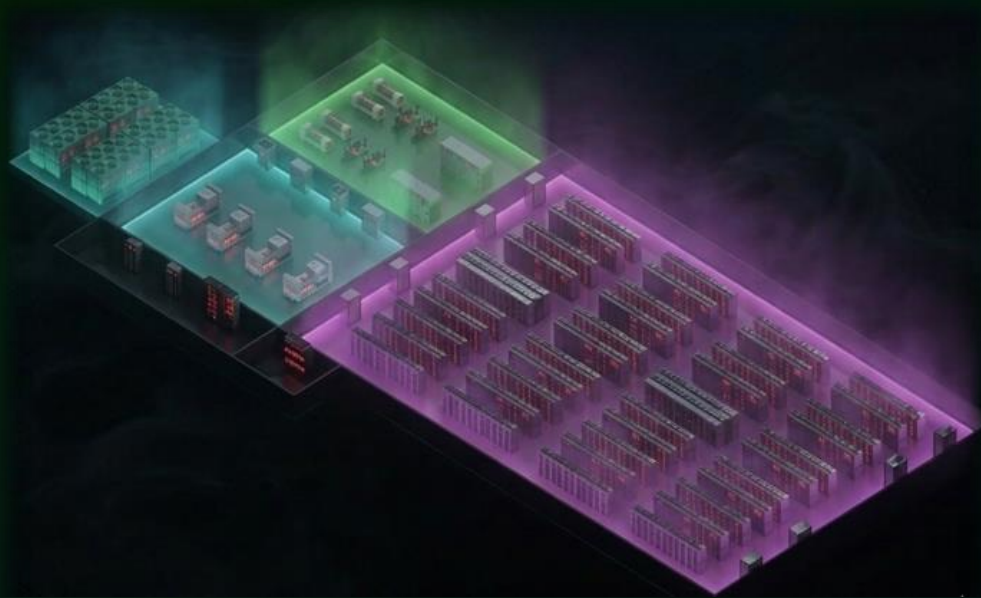
Skilled labor shortages

Factory-built precision and repeatability reduces on-site labor and risk

Prefabricated & tested in a facility – reducing on-site risks

The Modular Solution to the AI Infrastructure Challenge:

Modular data centers enable organizations to accelerate AI adoption



Cooling

- Chillers
- Economizers
- Pump packages
- Monitoring and Control



IT

- IT Racks & PDU's
- Security and Monitoring
- Electrical distribution
- CRAC



Power

- UPS
- Switchgear
- Air conditioning
- Monitoring and Controls



What are the primary benefits of **Modular Prefab Data Center** solutions for AI deployments?



Solutions integrated with liquid cooling technologies



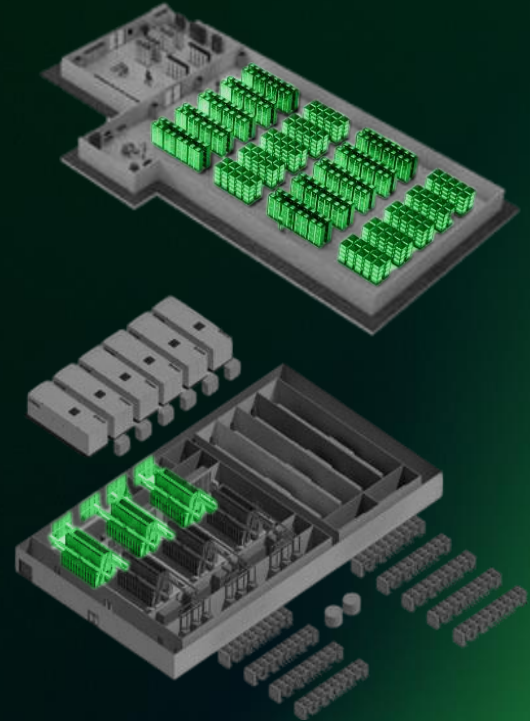
Speed of deployment is #1 factor



Higher rack density resulting in a reduced IT footprint

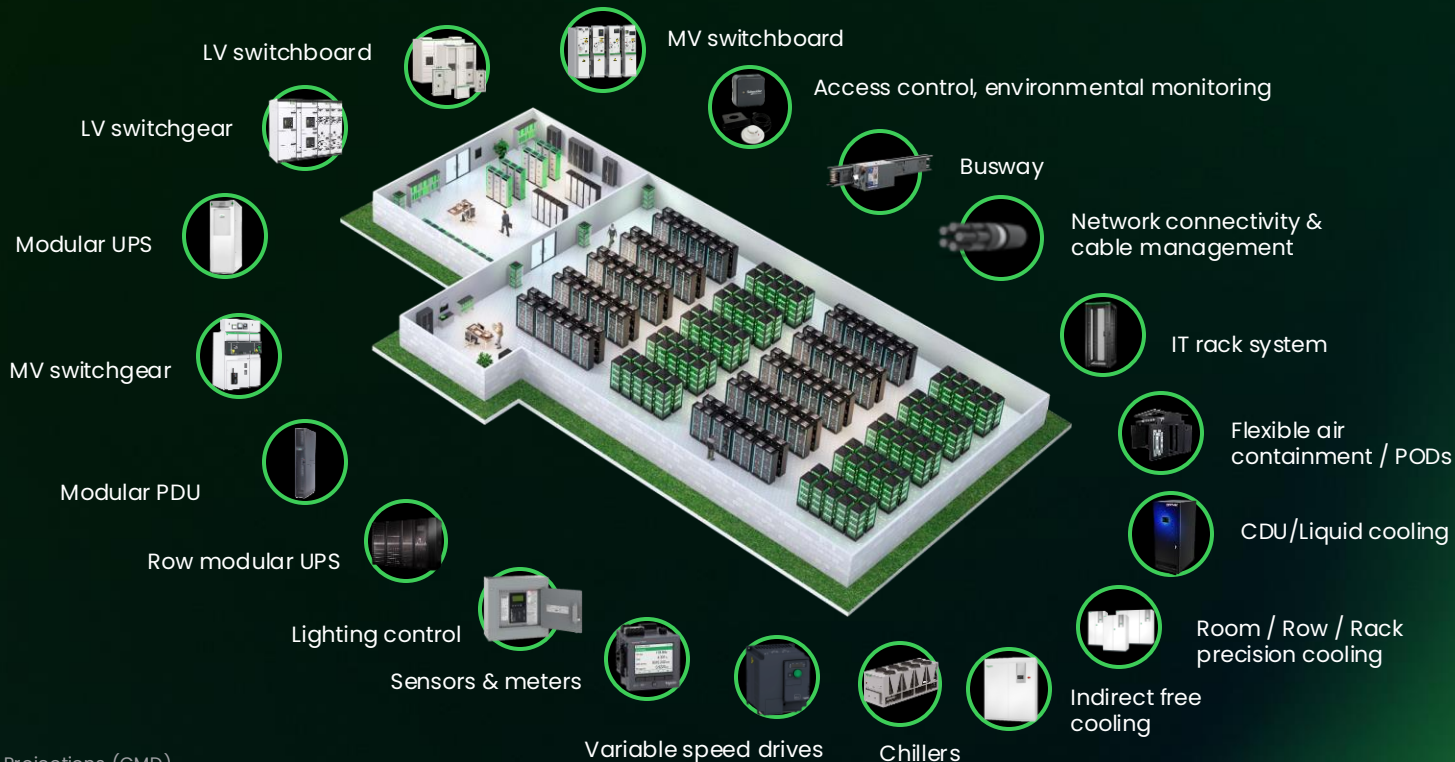


Higher capacity power blocks, up to 2.5MW featuring



Schneider's extensive coverage in traditional **data center & networks**

Our portfolio covers 90% of the software, services, power and cooling opportunity



Source: Internal SE Projections (CMD)

AI Deployment capabilities of EcoStruxure™ MDC Schneider Electric end-to-end AI-ready data centers with integrated chillers, Power Pods, scalable Data Halls, and full infrastructure for fast, efficient, and resilient deployment

Prefabricated Modular IT Pods



Busway



Network connectivity
& Cable management



Racks, Rack PDUs,
Access Control, &
Environmental
monitoring

Cooling
Room/Row/Rack
Liquid DTC
precision cooling



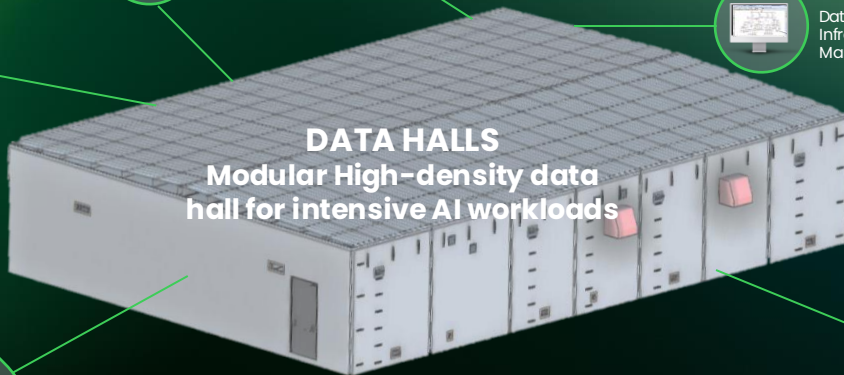
Lighting
control
HV/MV & MV/LV
Transformers



EcoCare
Services &
Advisors
Data Center
Infrastructure
Management (DCIM)



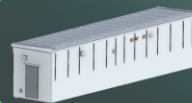
DATA HALLS Modular High-density data hall for intensive AI workloads



MV & LV Switchgear
MV & LV Switchboards



Uninterruptable
Power Supplies



Power Pods Low Voltage and Medium Voltage Power Modules or Skids

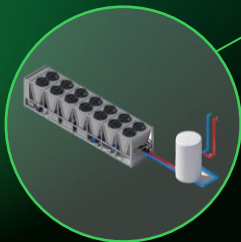
Sensors & Meters



Automatic
Transfer
Switches



Chillers



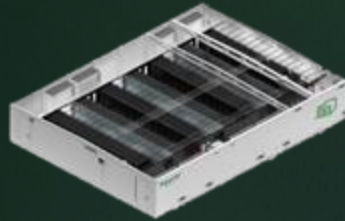
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Addressing supply chain challenges:

Modular Data Center portfolio



**Power modules
& power skids**
MV, LV, UPS, Batt



**IT data halls and
all-in-one modules**
Racks, Cooling, Electrical,
Containment, PDU



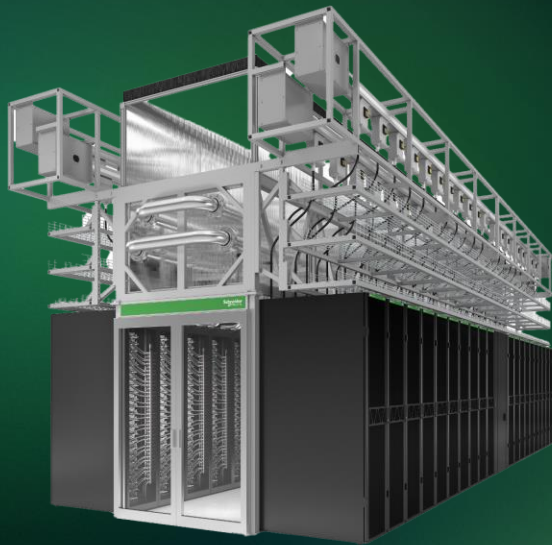
Installation & services

Prefabricated & tested in a facility – reducing on-site risks

IT Modules

Prefabricated Modular EcoStruxure™ Pod Data Center

Prefabricated IT pod offers a faster, easier, and more reliable way to building AI data center whitespace



Key benefits:

SPEED

Time-savings through prefabrication
offsite

PREDICTABILITY

Design and quality certainty

FLEXIBILITY

For AI deployments at scale

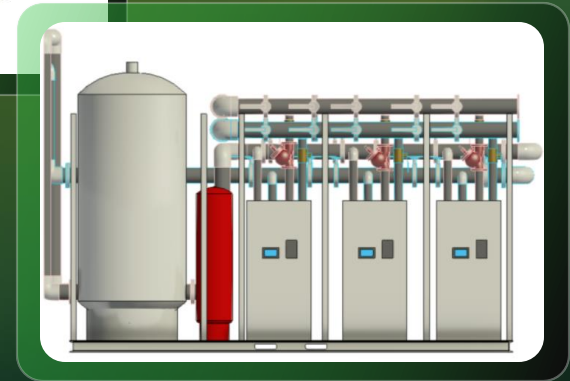
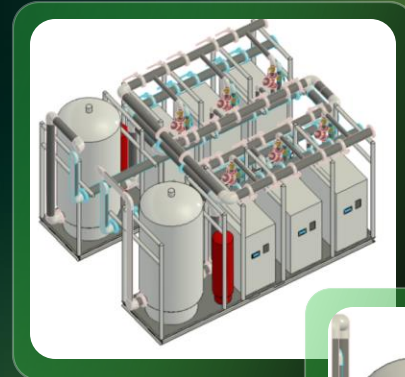
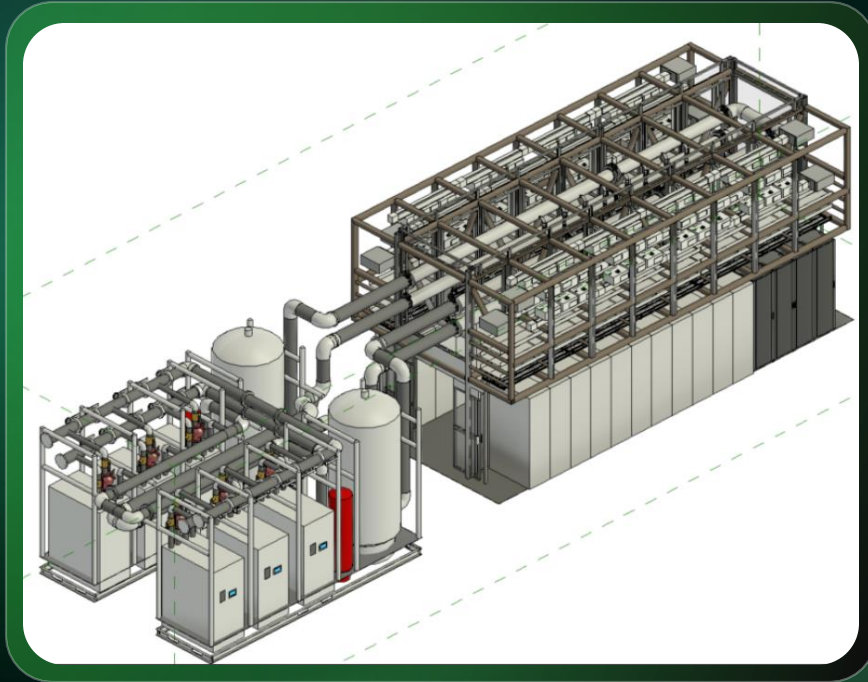
SCALABILITY

More scalable, cost-efficient IT pod
solution

Cooling Modules

Prefabricated Modular Cooling solutions

Prefabricated IT pod directly connected to CDU, delivered as modular skids



Power Modules

Modular Power helps customers address the **top power challenges**



Scaling electrical capacity as utility power becomes available



Getting the power from MV all the way to the racks



Managing, integrating and automating primary and back-up power

Prefabricated Modular Power Modules and Skids

Integrated UPS Galaxy™ VXL, Okken switchgear and management software in a weather-proof enclosure or power skid for scalable data center power up to 2.5 MW



Key benefits:

SPEED

Rapid deployment of critical power

PREDICTABILITY

Design and quality certainty
Minimize on-site work

FLEXIBILITY

Configurable designs for any site

SCALABILITY

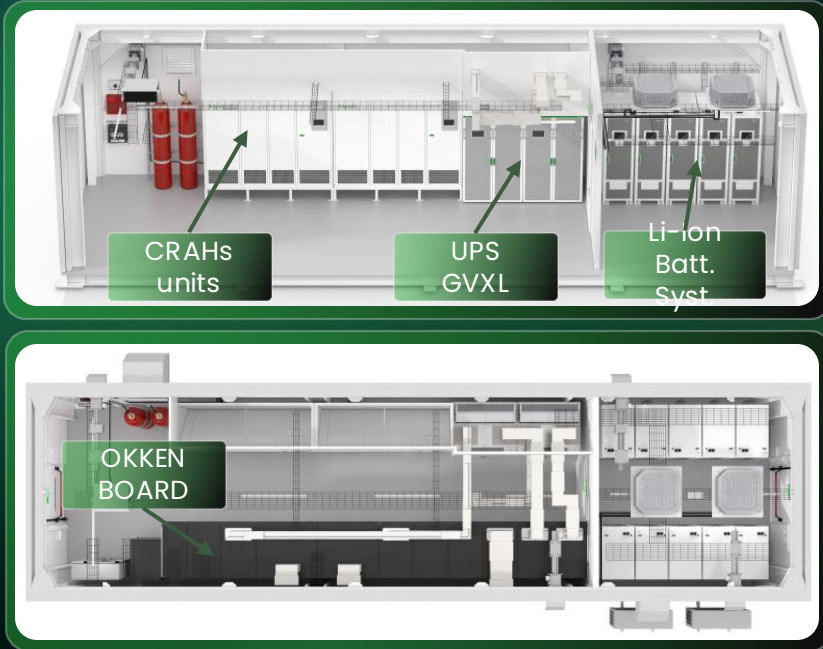
Easily scales with growing demand



NEW

Prefabricated Modular Power Modules

Standard design, Integrated UPS Galaxy™ VXL, Okken switchgear and management software in a weather-proof enclosure for scalable data center power up to 2.5 MW

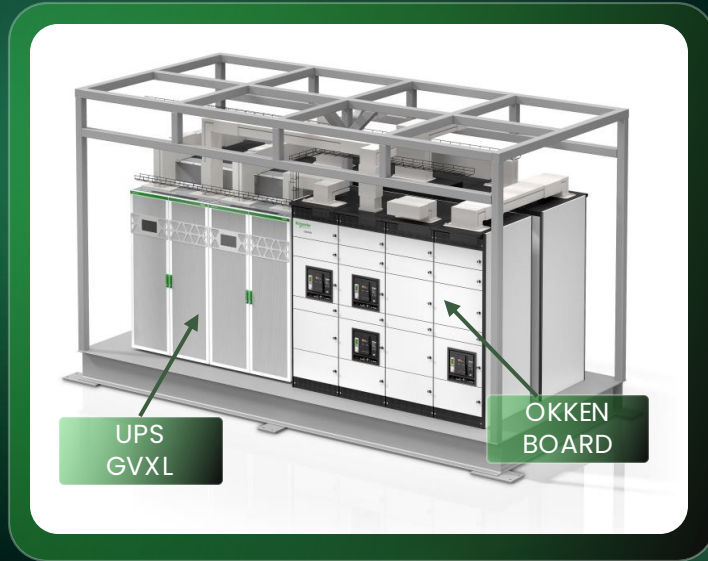


- Outdoor solution
- 14.2 m L x 4 m W x 4 m H
- 2 – 2.25 – 2.5 MW IT load
- Cooling by Chilled Water CRAHs 2N (CW: 22°C – 32°C, 20% glycol)
- 2 x Galaxy VXL
- 9 min runtime @ 100% load EOL with LFP Ampace Lithium Battery Cabinet in a separated room.
- UPS and Switchboard connection by busbar

NEW

Prefabricated Modular Power Skids

Standard design, Integrated UPS Galaxy™ VXL, Okken switchgear and management software in a skid scalable data center power up to 2.5 MW



- Indoor solution
- 6 m L x 2.8 m W x 3.6 m H
- 2 – 2.25 – 2.5 MW IT load
- 2x Galaxy VXL
- UPS and Switchboard connection by busbar

NEW

Prefabricated Modular Power Modules and skids

Optionals available



Optional applicable for module and skid version

- Redundant Power Module on UPS system
- Seismic reinforcement depending on localization

Optional only applicable for Power Module

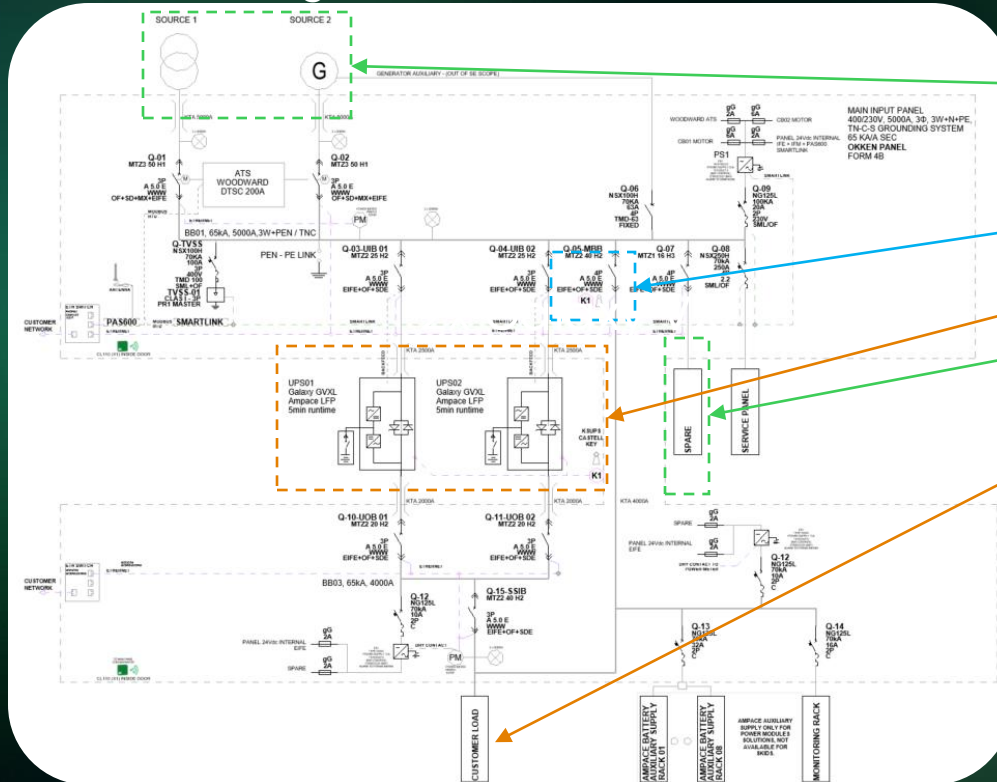
- Fire Suppression and Detection System
- Access Control
- AS-P for monitoring
- Free issued Customer Switch



NEW

Prefabricated Modular Power Modules and skids

Electrical diagram



2x Main Inputs: Generator and Transformer connection

UPS Maintenance Bypass

2 x UPS GVXL 1.25 MVA Input & Output

1 x Mechanical Spare Output

1 x IT Load Output

IT Load configurable from 2, 2.25 to 2.5 MVA depending on UPS redundancy and Mechanical Load

Load	2.5 MW	2.25 MW	2 MW
Mech Spare	525 A	821 A	1051 A
IT Load	2492 A	2242 A	1992 A
UPS Redundancy	N	N+1	N+1

NEW

Prefabricated Modular Power Modules and skids

Options available



Optional applicable for module and skid version

- Redundant Power Module on UPS system
- Seismic reinforcement depending on localization

Optional only applicable for Power Module

- Fire Suppression and Detection System
- VESDA System
- Access Control
- AS-P for monitoring
- Free issued Customer Switch

