# DCV INDUSTRIES

## PREFABRICATED EDGE AI DATA CENTER

# QUBE – AI EDGE

### AI-Ready | Scalable
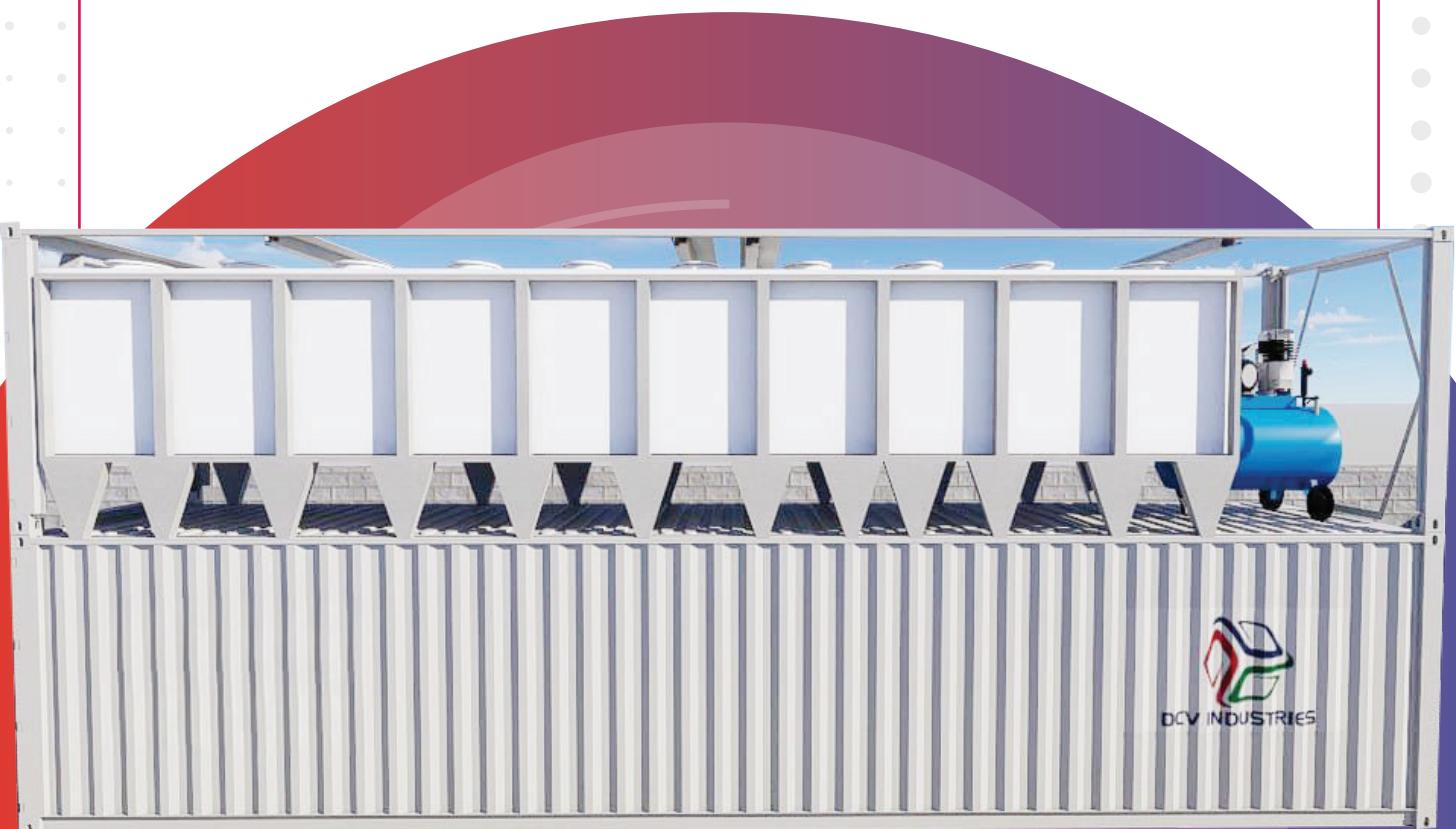### Fast to Deploy | Eco-Efficient.

Prefabricated AI all-in-one data centers are modular solutions designed to integrate all essential components of a data center into a single, compact unit. These centers are ideal for rapid deployment, edge computing, and scenarios requiring high efficiency and reliability.

An **Edge AI All-in-One Prefabricated Data Center (AIO Prefab DC)** is a modular and compact solution designed to support edge computing and AI workloads efficiently. These data centers integrate all essential components, such as power, cooling, and IT infrastructure, into a single prefabricated unit, making them ideal for rapid deployment and real-time data processing.

DCV strives to create business value for its customers through its broad range of services, including consultation, planning, design, engineering, implementation, maintenance, operation, monitoring and assessment.

## Key Features

- ▶ Low mPUE for greatly improved efficiency

- ▶ Faster deployment with plug-and-play modular architecture

- ▶ Scalable capacity with ease of transportation and expansion

- ▶ 560 GPUs per Container

- ▶ Off-The Shelf solution for AI Processing

- ▶ High compatibility with all leading OEM Servers

# Features

-   **Integrated Systems**: Includes power, cooling, monitoring, and security systems in one unit.

-   **Plug-and-Play Deployment**: Pretested and prefabricated for quick installation.

-   **Energy Efficiency**: Smart cooling and power management reduce carbon emissions.

-   **Durability**: Designed to withstand harsh environmental conditions, including earthquakes and extreme weather.

-   **Scalability**: Modular design allows for easy expansion.

# Applications

-   **Edge Computing**: Supports real-time data processing closer to the source.

-   **Disaster Recovery**: Rapidly deployable in emergency situations.

-   **Industry-Specific Needs**: Suitable for sectors like government, education, finance, and telecommunications.

QUBE - AI, DCV's All-in-one AI ready prefab solution provides a powerful yet eco-friendly solution to rising data processing demands across various industries for AI. Ready to use Off-The-Shelf AI Datacenter is ready to accommodate up-to 556GPUs in single container.

| Product Specification | DCV-QAI-50FT-N-AI-NN-RD-320KW | DCV-DM-40FT-N-AI-NN-RD-320KW | DCV-DPM-20/40FT-N1-400/1000K |
|---|---|---|---|
| Site Environment | Outdoor / Desert / Warehouse | | |
| Product Type | All In One AI GPU Container DC | AI GPU Container DC Module | All In One Power Module |
| Container Dimension | 15Mx 3.6M x 3.8M | 12.1Mx 3.6M x 3.8M | 12.1Mx 3.6M x 3.8M |
| Server Type | Super Micro/Dell | Super Micro/Dell | 400KW to 1000KW |
| GPU/ Server | 8 GPUs | 8 GPUs | NA |
| GPU Type | AMD Mi210 | AMD Mi210 | NA |
| IT Power Load | 320KW | 320KW | 400KW to 1000KW |
| No. of Racks | 10 x 47U (600/800mm x 1200mm) Sever Racks<br><br>2 x 47U (800mm x 1200mm) Network Racks | 10 x 47U (600/800mm x 1200mm) Sever Racks<br><br>2 x 47U (800mm x 1200mm) Network Racks | NA |
| Rack Power Density KW/Rack | Avg. 30KW (Max 60KW) (Server Rack)<br><br>5KW (Network Rack) | Avg. 30KW (Max 60KW) (Server Rack)<br><br>5KW (Network Rack) | NA |
| UPS | N+N | N/A (External Power Module) | N+N |
| Cooling Type | RDHX-CW (Rear Door Heat Exchanger) (N+1) | | CW Room Cooling (N+1) |
| Fire Protection | Fire Suppression System | | |
| Monitoring | DCIM + Leak Detection + Environmental Monitoring | | |
| Security | 4 x Indoor Camera + 4 x Outdoor Camera + NVR<br>Pin + Card + Biometric Access Control | | |