DataCube™
Prefabricated Mobile & Modular Data Centre Solutions

Workspace Technology's DataCube™ delivers pre-engineered Mobile & Modular Data Centre infrastructure which is ideal for a range of low medium and high-density data centre applications:

Latency Sensitive Apps
Moving Processing Closer to the User

Edge & Distributed Networks
Local Compute Deployments

MEC
Multi-Edge Computing

Multi-Cloud
Peer to Peer Networking Infrastructure

On Prem Primary / DR Data Centre
On site Principal Data Centre Functionality

DataCube™ Building Format Options

Prefabricated - Bespoke Prefabricated Modular Data Centres offer build widths ranging from 3.0m to 3.6m and lengths between 3m and 14.5m. Prefabricated DataCube™ buildings can be coupled and stacked to form larger spaces to support increased rack space where required.

Containerised - ISO Containerised DataCube™ system are available in High Bay 2.4m W 6m / 20ft and 12m/ 40ft length modified ISO containers. ISO containers can be stacked depending on configuration.

Modular Construction - Workspace Technology also offers modular construction systems utilising steel frame structures and composite panel cladding systems that can be erected both internally, typically within a large open warehouse or externally, to create a standalone building.

Ready to "Rack & Stack"

DataCube™ systems are pre-engineered and delivered to site 'Server Ready' including all core infrastructure components.

- Power Distribution & UPS Systems
- Integrated Cooling & Airflow Containment
- Fire Detection & Suppression
- Racks, PDU's & I.T Cabling
- Security Systems
- Management & Monitoring

Flexible Architecture

Workspace Technology offer bespoke DataCube™ Mobile & Modular Data Centre solutions to support individual client demands.

- Custom Built to Suit Rack Count Demands
- Resilience Level to Suit Application Tier II to Tier IV
- Cooling Technology to Match Rack Power Densities 2kW to 60kw
- Paired and Double Stacked Options for Increased Rack Count
- Expandable Scalable Designs

Technical

DataCube™ products are typically delivered complete with a range of technical infrastructure to ensure they are ready for racking and stacking of servers once the unit is delivered and hooked up to services.

- Fitted With Equipment Racks
- I.T & Power Containment Systems
- Internal Fibre Optic & IT Cabling Links
- Security Systems Including IDS, ACS & IPCCTV
- Building Control Systems

Secure Construction

DataCube™ products are built to order allowing Workspace Technolgoy to offer bespoke fabrication for our customers.

- Standard Single Skin Insulated Panels
- SR2 to SR5 Certified Security Options
- Enhanced CPNI Protection for High Security Applications
- FR60 Standard Fire Rating with Options for FR90 and FR120
- Integrated High Security Locking Systems

Fire Protection

DataCube™ products will be fitted with Fire Protection & Detection System to ensure the safety of occupants.

- BS5839 Compliant Fire Detection Systems
- Ozone Friendly Fire Suppression Systems
- Relays for External House Integration
- Optional Very Early Smoke Detection (VESDA) Systems
- Full Compliance with UK Building Regulations.

Management & Monitoring

DataCube™ products are typically fitted with integrated Management & Monitoring technology ensuring remote assets are in full view via central management platforms.

- Environmental Monitoring Systems
- Volt Free Contact Event Integration
- Dedicated Management Network
- Centralised Management Systems

Plug & Go Power

DataCube™ products are pre-engineered with power infrastructure deployment ready.

- Complete Electrical Design & Installation to 18th Edition
- Plug & Go Power & Hook-up Points
- Backup Generator Options
- Integrated UPS Systems & Critical Power Distribution
- Total DataCube™ kW Capacity Designed to Suite Application

Cooling & Airflow

Workspace Technology's Design Team will work with clients to develop cooling and airflow solutions to support a wide variety of equipment rack kW densities including High Power Computing (HPC) applications.

- Cooling Technology Selections to Suit Rack kW Density Requirements
- Options Include Perimeter, In-Row & Rear Rack Cooling Technology
- Direct Fresh Air Freecool® Systems Are Also Available
- Integrated Aisle Containment & Airflow Management
- All of our DataCube™ Designs Are Optimised for Maximum Energy Efficiency

Designed & Built in the UK

Built for Business

Our prefabricated technical buildings are designed, fabricated, and built in the UK ensuring a high proportion of value is retained within the UK economy.

Interested in finding out more?

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www.mobiledatacentre.com

Workspace
Technology Limited
Technical Prefabricated Buildings
Expertly Engineered