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MOBILE DATA CENTER





The Mobile Data Center is the response of **Cloudware Polska** to our customers' ever-increasing demands for **flexibility and security of IT infrastructure systems**.

Drawing on many years of experience from working with departments setting up and maintaining server rooms in some of Poland's largest organisations, we are perfectly aware of the challenges and limitations associated with managing a conventional data center.

The use of containers enables us to become independent of spatial and geographical limits, while unlocking the business potential in applications such as hosting, colocation or additional backup and DR centres.

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What makes us unique?

A significant advantage offered by Cloudware Polska consists in the full ability to configure **the containers**, which are created from scratch at our production facility, with a view to ensure full compliance with customer's requirements, while using the state-of-the-art global solutions from leading industry manufacturers.

Benefits of MDC

A server room system based on dedicated containers is perfectly suited to the challenges faced by modern organisations, and its implementation for a data center brings **benefits such as:**



Scalability:

Modular design for quick and easy expansion.



Security:

Protection against unauthorised access and weather conditions.



Standardisation:

Compliance with ISO standards and compatibility with different means of transport.



Cost-effectiveness:

Low cost of implementation and maximum reduction of maintenance costs.

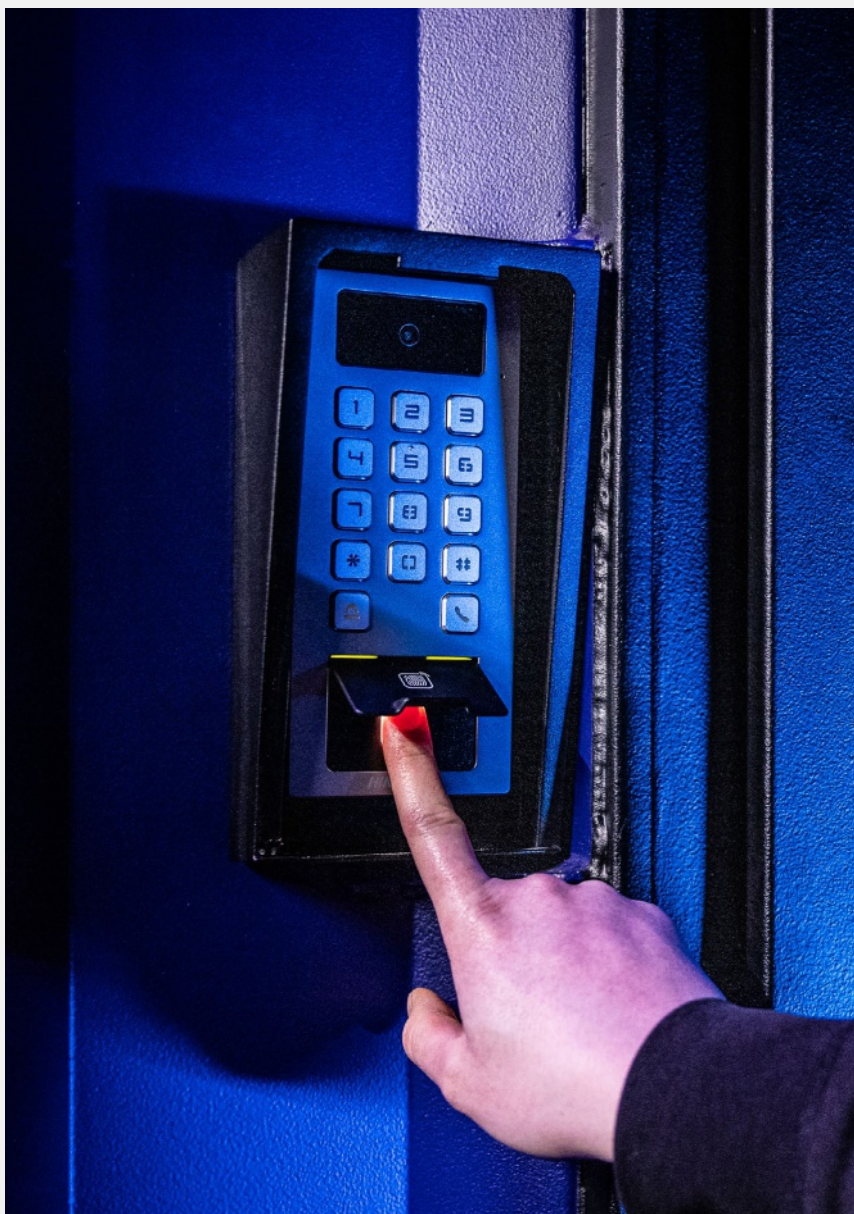


Mobility:

Quick transport using standard vehicles.

Technical specifications of standard solutions:

MODEL	CDWR MDC M	CDWR MDC L	CDWR MDC XL
External dimensions of the container (H × W × L)	3 × 3 × 8 m	3 × 3 × 10 m	3 × 3 × 12 m
IT RACKs (W × D)	3 × 42U (800 × 1200 mm)	4 × 42U (800 × 1200 mm)	5 × 42U (800 × 1200 mm)
UPS RACKs (W × D)	1 × 42U (600 × 1200 mm)		
Maximum load per IT rack	12 kW		
Maximum total capacity of all IT racks	36 kW	48 kW	60 kW
Total usable IT equipment space	126U	168U	210U
Power supply in each IT rack	2 × PDU, 3-PH		
Cooling type	inRow precision air conditioning		
Number of internal cooling units	4	5	6
Cooling system capacity	48 kW	50kW	62 kW
Cooling redundancy level	N+1		
UPS type	3-PH, modular, double conversion, N+1 redundancy		
UPS capacity	75 kW + 25 kW	100 kW + 25 kW	125 kW + 25 kW
UPS back-up time	up to 8 minutes, can be extended as an option		
Fire protection system	2 independent fire extinguishing systems: interior of the container + IT racks (NOVEK 1230 gas)		
Environmental sensors	temperature, humidity, smoke, VESDA sensors		
Self-loading system	4 electrically operated supports for loading, unloading and levelling, lifting height of 1550 mm		
CCTV system	Video surveillance and recording, indoor and outdoor cameras, motion detection		
Management system	Operated remotely and from the touch panel inside the container - access to all container parameters with comprehensive management		
Access control	Vandal-resistant terminal, multi-stage verification		



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Any other needs?

If your needs require non-standard solutions, such as more IT racks or a more efficient cooling system (chilled water), **we will be happy to provide you with a dedicated proposal.**

We invite you to visit our production facility where, in addition to the assembly line, you can **also see the complete Mobile Data Center System!**



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