

CANCOM IT CONTAINER SOLUTIONS

Mobile Data Center



PLAN.
BUILD.
PERFORM.

CANCOM



How to reconcile fixed costs and flexibility

When building a data center, the investment is required to stay within the defined budget, while the new facility is supposed to accommodate the IT demands of the coming years. But it is difficult even for IT professionals to exactly predict future infrastructure requirements. This is because these requirements not only change due to new technologies, but also due to acquisition of companies or the relocation of company sites.

Some 80 per cent of new data centers are over-sized for fear of building facilities that are too small, and thus not future-proof. As a result, building as well as operating them becomes unnecessarily expensive.

A modular solution helps save costs while remaining flexible at the same time.

CANCOM Mobile Data Center Description of the system

A container, optionally available in ISO and non-ISO formats, houses the active IT systems as well as the whole physical infrastructure - UPS, air conditioning, and fire prevention systems.

The cost for building a container-based data center can be planned exactly as there will be no surprises regarding the structures of a pre-existing building. If necessary, a modular extension can be set up quickly. The physical infrastructure components are also modular, so they can be dovetailed with the actual demand.

In order to make the best possible use of the ISO containers, the racks are mounted on rails. Thanks to this, they can easily be moved during operation to create space for maintenance work. The wider non-ISO containers offer enough working space even with fixed racks.

Modular and flexible IT container solutions

Your advantages at a glance

- High weight-carrying capacity of up to 190 tons: up to 13 containers can be piled up on top of one another
- Set-up requires very little space and no regard for structures of pre-existing buildings
- Saving time during installation: ground floor only, racks and infrastructure are pre-installed
- Fixed cost for easy calculation: no risks in terms of budget as there will be no additional cost for improving the building
- Reversible side panels in non-ISO container: more containers can be added to create a bigger indoor space
- Worldwide transport with equipment on board: if the company moves, the data center moves with it
- Particularly cost-efficient ISO containers due to use of a standard product
- Optimum use of space in ISO container thanks to movable racks
- Factory acceptance test including simulation of actual data center load
- Perfect interim solution for emergencies or during refurbishment of buildings





Mobile Data Center for rent

CANCOM physical infrastructure not only offers data center containers for sale, but also for rent or lease. Renting can be an attractive choice for an interim solution during refurbishment of buildings and temporary peaks in required IT resources, but also for mobile road shows.

The rented Mobile Data Center can start operating within a few days of placing the order. It is equipped with the following infrastructure:

- ISO container 20 ft. - resistance class WK-3
- Fire-proof access door
- Container can resist fire for 90 minutes (F90)
- 5 racks with 42 RU each, 600 mm wide, 1000 mm deep
- 2 x power supply unit per rack with 16 A each and SNMP management for monitoring
- Remote monitoring system for temperature and humidity
- UPS with 20 kW and 8 minutes of autonomous time at full load
- Electrical subdistribution
- 20 kW air-conditioners with n+1 redundancy
- Aspirating smoke detector, quenching gas system with extinguishing agent stored in the container, pressure relief flap
- Fire-proof and smoke-proof cable conduits
- Cold aisle/hot aisle separation within the container
- Biometric access control

