
ModCel

CONTAINERISED
DATA CENTRE

The ModCel containerised data centre designed and supplied by Secure I.T. Environments Ltd is suitable for most Data Centre, Server and Telco applications, designed and built to specific project requirements. The ModCel is built off site and helps to resolve space, deployment time, build complexity and cost challenges.

Benefits:

- Purpose Built Structure
- 4-hour Fire Protection
- Thermal and Acoustic Insulation
- Insulated on all Six Sides
- Typical ISO Container Footprint
- Expandable
- Suitable for Harsh Environments
- Rapid Deployment
- Easy to Transport Globally



Construction offsite - Delivered to any location

Prior to delivery each ModCel containerised Data Centre designed by Secure I.T. Environments is built, configured and tested to the client's specification. This ensures the ModCel is fully functional and ready to go live when it is delivered and sited at its final location.



Lloyds Certification

It is a world-wide requirement that all containers that are going to be shipped have Lloyds Accreditation.

This certification shows that the container meets the International Organisation for Standardisation (ISO) Standards and has passed the Container Safety Convention (CSC).

The CSC number indicates that the container has passed structural integrity tests. Without a CSC number the container cannot be insured for transportation by ship on any sea. Therefore, any modifications to standard containers will invalidate the existing Lloyds Registration and therefore cannot be insured for transportation by ship.



Infrastructure

Secure I.T. Environments Ltd installs innovative energy efficient Mechanical and Electrical Infrastructures within its ModCel containerised Data Centres to include:

- Energy Efficient Cooling
- HV/LV Electrical Infrastructure
- Fire Suppression & Detection
- 19" Server / Communications Cabinets
- Hot / Cold Aisle Containment
- Structured Cabling
- Raised Flooring
- UPS Systems
- Generators
- Intelligent PDU's
- DCiM Monitoring
- Civils Work



Transport & Delivery

On completion of the internal infrastructure and testing, deployment of the ModCel is carried out by our experienced transportation company and crane lifted into its final location.



Installations



Stackable up to 9 metres high



Air separation options available



Various internal layout designs available



Sufficient space is available for access to cabinets



Plant equipment located on the roof



Scalable modular data centre



Separate plant room can be provided



Groundworks & Civil design is available



Summary

The ModCel solution consists of a complete factory built, high security, modular Telco/Data Centre that offers environmental and physical protection from a large range of risks. ModCel offer many advantages when compared to a traditional build Data Centre and comes with standard features such as:

- Rapid deployment
- Easy to transport and relocate
- Internal or external deployment
- Suitable for harsh environments
- 4-hour fire protection
- Lloyds Insurance accreditation
- Minimum disruption to an organisation on installation
- Purpose built structure
- Expandable
- 4 cabinets to 500 cabinets
- Mechanical and Electrical infrastructure fully fitted and tested
- Stackable up to 9 metres