ModCelEdge
CONTAINERISED DATA CENTRE

The ModCel Edge Containerised Data Centre, supplied by Secure I.T. Environments Ltd, has been designed to give companies the diversity, flexibility and scalability to meet the edge computing requirements of modern businesses. Whether distributing data centres to process data in remote locations or positioning them for low latency, Secure I.T. Environments ModCel Edge solutions are custom designed to meet the most demanding operational requirements.

Companies across the globe are benefitting from adopting a data centre model that gets their servers closer to where processing needs to take place, greatly reducing latency, lowering risk and improving performance. For companies that rely on cloud services, edge data centres make the world smaller, cutting network hops and improving reliability by putting servers on the telco backbones those services use.

Whatever your edge computing needs, a Secure I.T. Environments ModCel Edge Containerised data centre can be designed and deployed quickly anywhere in the world, giving you the reliability, scalability and performance your business demands.

Benefits:
- Purpose built structure with 4-hour fire protection
- Thermal and acoustic insulation on all six sides
- Typical ISO container and Lloyd's insurance accreditation for global transportation
- Scalable from 4-500 cabinets per container and stackable to 9m high
- Suitable for harsh environments
- Rapid deployment

Benefits:
- Purpose built structure
- 4-hour fire protection
- Thermal and acoustic insulation on all six sides
- Typical ISO container footprint
- Expandable
- Suitable for harsh environments
- Rapid deployment
- Easy to transport globally

Advantages:
- Lloyds insurance accreditation
- Internal & external deployment
- Minimum installation disruption
- M&E Infrastructure fully fitted and tested
- From 4 to 500 cabinet capacity
- Stackable up to 9m

Construction offsite - Delivered to any location

Prior to delivery each ModCel Edge Containerised Data Centre designed by Secure I.T. Environments is built, configured and tested to the client's specification.
This ensures the ModCel Edge 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.

Lloyd's Register

CONTAINER CERTIFICATION SCHEME

Infrastructure

Secure I.T. Environments Ltd installs innovative energy efficient Mechanical and Electrical Infrastructures within its ModCel Edge 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
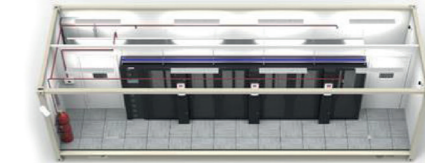- Civils Work

Transport & Delivery

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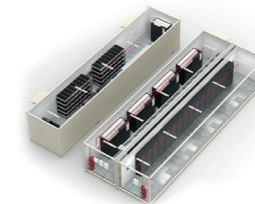

Installations

Stackable up to 9 metres high

Air separation options available

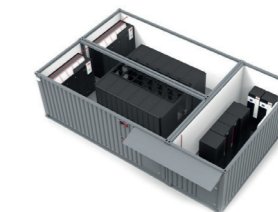Various internal layout designs available

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