



Part of a larger family of both fixed-size and variable-sized (fully scalable) eCentre solutions, Flexenclosure's eCentre ISO product is a prefabricated, fully equipped ISO module for housing and powering data and telecom equipment. Optimised for energy efficiency and low TCO, it is specifically designed to be fast to deploy and fully future proof.

eCentre ISO offers customised turn-key solutions for technical facilities including data centres, switching centres, energy centres, NOC, offices, etc. Specifically designed for weather-exposed environments, it has the same life expectancy as a traditional brick and mortar building. However, that's where the similarities end:

- Constructed of steel with panelled walls, eCentre ISO is available in standard 10-, 20- and 40-foot units and can be stacked to maximise the use of limited available space
- Fully repeatable, pre-engineered and factory tested with quality assurance
- Module integrity can be engineered for efficiency and durability in any operating environment
- eCentre ISO can be placed either on a concrete foundation, plinth, movable foundation or be used as a mobile unit
- Multiple airflow and cooling options optimised for layout, performance and efficiency
- Tighter management of set point and equipment inlet temperatures reduces energy demand

eCentre ISO enables organisations to better manage network-related CAPEX and OPEX. And it delivers significant technical and business value through a repeatable and quality assured set of building blocks providing right-sized IT capacity where and when it's needed...fast.

eCentre Module	Shelter size	10-foot (3m), 20-foot (6.1m) or 40-foot (12.1m) ISO standard high cube
	External dimensions	2,991 / 6,058 / 12,116 x 2,438 x 2,891mm (L x W x H)
	Internal dimensions	2,660 / 5,727 / 11,800 x 2,155 x 2,640mm (L x W x H)
	Maximum floor loading	600kg/m ²
	Insulation U-value	0.6W/m ² K
	Surface treatment	Category C3, according to ISO12944-5. Option C4/C5
	Colour	Grey RAL 7035 as standard (other colours available on request)
	Interior	Fully insulated top, bottom, and sides. Walls lined with a sandwich panel of polyurethane foam and painted metal sheet. ESD floor system
	Entrance	Doors can be fitted on any side, including emergency exit
	Fire rating	60min A-60/EI-60/B1
	Fire-fighting system	FM200 (Novec 1230 option)
	Cabling	Cable trays, cable penetrations, power cables
	Electrical	Sub distribution boards, service outlets, earthing system
	Lighting	Internal and emergency lighting
Installation	Site installation, commissioning and project management	

Cooling System	Cooling methods	Direct expansion (DX) / chiller / free air / indirect free air options
	Cooling distribution	Precision cooling with or without in row units
	Cooling capacity per rack	0-45kW
Power Supply System	Power system	TN-S, 400 / 230V AC, 50Hz / 60Hz
	Voltage stabilisation	Automatic Voltage Regulator (AVR), with optional Power Failure Correction (PFC)
	Power source control	Main distribution board including switchgear (Automatic Transfer Switch) and control system
	Genset	Internal or external, as required
Uninterruptible Power System	DCsystem including batteries	24V DC / 48V DC / 400V DC
	Inverter system	Modular from 1.5KVA to 30KVA
	UPS system	Modular or stand-alone from 1KVA upwards
DCIM and Security	Access system	Control panel and door modules (magnetic / proximity reader, keypad, RFID, etc.). Standalone systems or integrated with existing access control systems
	DCIM system	Remote access, real-time monitoring
	Security	IR detectors, CCTV
Racks and Data Network	Server and network racks	All standard dimensions
	PDUs	Basic, metered, switched
	Network system	Copper / Fibre

Example 40-Foot eCentre ISO Layout

