



A modern alternative to traditional brick and mortar structures, eCentre is a complete, pre-fabricated, pre-equipped, custom designed modular solution to house and power data and telecom equipment. Optimised for energy efficiency and low TCO, eCentre is fast to deploy, easy to expand and fully future proof.

Building and testing the eCentre in a controlled environment prior to site delivery, guarantees the highest possible quality and reliability.

Adaptable to local conditions and proven worldwide, an eCentre can be used for several purposes as determined by customer requirements, including a data centre, switching centre, energy centre, meeting rooms, staging areas and NOC. Additional elements of an eCentre can include a VSAT farm, telecom towers etc. - all delivered as a complete turnkey solution.

eCentre - precision datacentres by Flexenclosure.

General	Building size	From 55m ² to unlimited, one or two storeys high
	Exterior	Steel as standard. Wood/stone/aluminum cladding options
	Equipment types	All brands & dimensions
	Power Usage Efficiency (PUE)	Down to 1.15 (depending on climate zone)
	Tier Levels	1-4
eCentre Module	Dimensions	12.32 x 4.45 x 3.6m (L x W x H)
	Surface protection	C3 standard. C4 / C5 options
	Insulation U-value	0.6W/m ² K (Optional down to 0.3W/m ² K)
	Interior	Wall panels, raised floor system, doors including automatic closers and emergency opening
	Entrance	Stairs as standard. Ramp optional
	Fire rating	60min A-60/EI-60/B1
	Fire-fighting system	FM200 standard. Novec 1230 optional
	Cabling	Cable trays, cable penetrations, power cables
	Electrical	Sub distribution boards, service outlets, earthing system
	Lighting	Internal, external and emergency systems
Installation	Site installation and commissioning, hook-up, project management	
Cooling System	Cooling methods	Direct expansion (DX) / chiller / free air / indirect free air
	Cooling distribution	Raised floor air distribution / Precision cooling with in row units
	Cooling capacity per rack	0-45kW
	Cold aisle containment	Up to 12kW per rack
	Hot aisle containment	Up to 20kW per rack
	Closed containment	Up to 45kW per rack

Power Supply System	HV switch gear	Distribution system up to 24kV, gas insulated (other on request)
	Transformer HV/LV	Oil cooled / Dry type
	Voltage stabilisation	Automatic Voltage Regulator (AVR), optional with Power Failure Correction (PFC)
	Power source control	Main distribution board, including switchgear (Automatic Transfer Switch) and control system
	Genset	Single or synchronised genset solution sized according to power load
Uninterruptible Power System	DC system, including batteries	24V DC / 48V DC / 400V DC
	Inverter system	Modular from 1.5KVA to 30KVA
	UPS system	Modular or stand-alone from 1KVA to unlimited
DCIM & Security	Access system	Card or biometric
	DCIM system	Remote access, real-time monitoring
	Security	IR detectors, CCTV
Racks & Data Network	Server and network racks	All standard dimensions
	PDUs	Basic, metered, switched
	Network system	Copper / Fibre



All eCentres are designed from the ground up for each customer's specific needs and we select the best components in the market to deliver exactly to the customer's specification and local requirements. Typical component brands include:

