Altron
Modular

EdgeDC

Fast to Get.
Easy to Deploy.
TCO-driven Product.

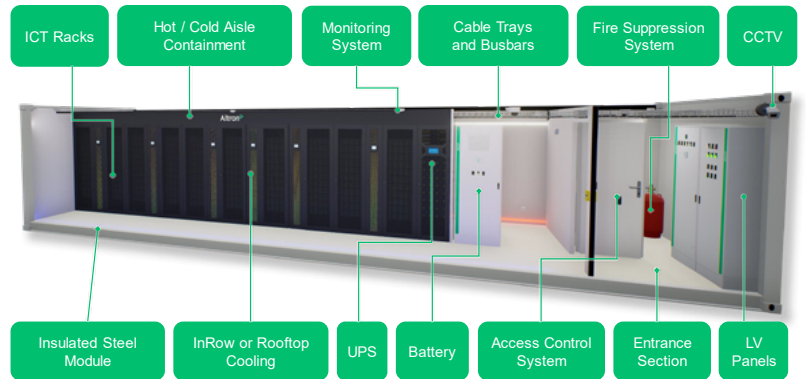Uptime Institute · U.S. Green Building Council · TIA · RIBA Royal Institute of British Architects · ASHRAE

EDGEDC AT A GLANCE

All the features of a brick-and-mortar datacentre – in a mobile, scalable, and energy-saving environment.

- ▶ Modules 20'–45' ft
- ▶ 4–15 ICT racks 42U
- ▶ Tier II – IV resilience
- ▶ 3m wide for operators' comfort
- ▶ 17 ready-made configurations
- ▶ Online configuration tool
- ▶ Customization products
- ▶ Special Military Specs

ICT Racks · Hot / Cold Aisle Containment · Monitoring System · Cable Trays and Busbars · Fire Suppression System · CCTV

Insulated Steel Module · InRow or Rooftop Cooling · UPS · Battery · Access Control System · Entrance Section · LV Panels
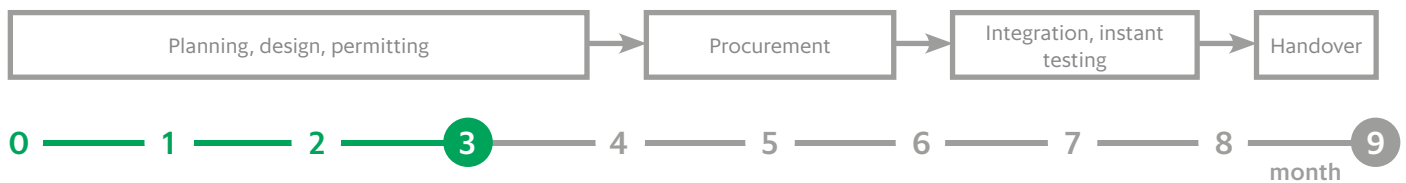
BENEFITS

VALUE FOR MONEY

Lower initial CapEx than traditional construction, as there is no need to over-provision. OpEx savings and maximized ROI with a best-in-class, tightly integrated facility that meets the highest standards of availability and efficiency.
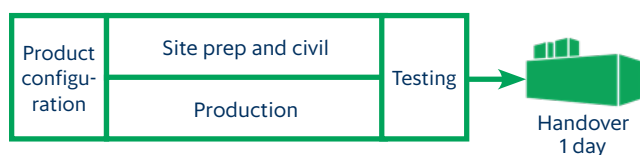
EASE OF MIND

Increased productivity, consistent high quality, as well as reduced delays and cost overruns and decreased risk with standardized fabrication processes.
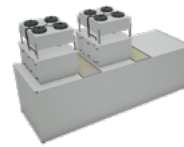
FAST

Standard Server Room

| Planning, design, permitting | → | Procurement | → | Integration, instant testing | → | Handover |

0 — 1 — 2 — **3** — 4 — 5 — 6 — 7 — 8 — **9**
month

EdgeDC project

| Product configu-ration | Site prep and civil | |
| | Production | Testing |

Handover
1 day

3 months from enquiry to new capacity

Product overview

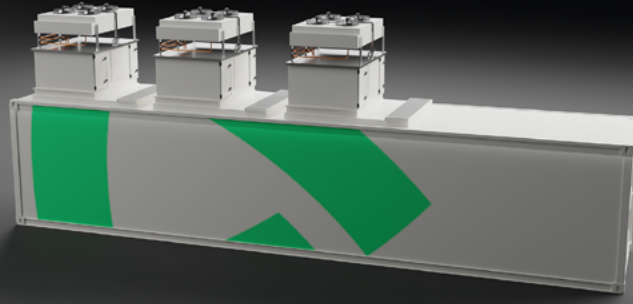|	EdgeDC Series N	EdgeDC Series R
Cooling Units Location	In-Row	Rooftop
Racks	3.5 – 14	8 – 16 (max 15/module)
Dimensions	20ft, 30ft, 40ft & 45ft	30ft, 40ft & 45ft
ICT Power range	40 kW – 100 kW	55 kW – 110 kW
Max ICT power per rack	10 kW	10 kW
PUE	1.4	1.25
TIER classification	TIER I / III	TIER II – IV
Redundancy (power/cooling)	2N / N + 1	2N / N + 1
UPS Battery Runtime	7 minutes	5–9 minutes

EdgeDC Series N

Example:
30 ft long EdgeDC with In-Row cooling units, 7 racks and 40 kW of ICT load.

EdgeDC Series R

Example:
30 ft long EdgeDC with Rooftop cooling units, 8 racks and 55 kW of ICT load.

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WHY A MODULAR DATA CENTRE

Rapid

Plug & Play concept results in Data Centre capacities within weeks.

Reliable

High-end quality, international and industry norms/regulations delivered around the globe.
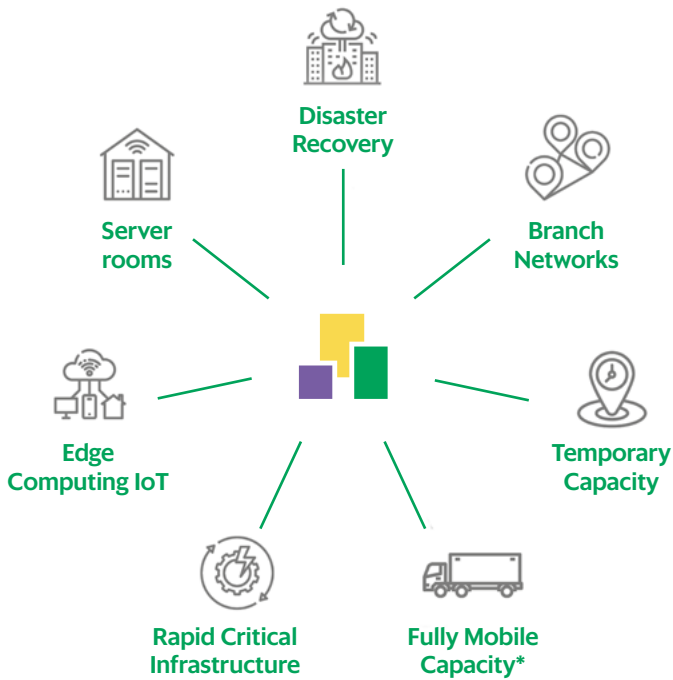
Efficient

Standardized product that is factory tested delivering instant IT operation.

Secure

Compartment architecture to provide physical and logical separation.

USE CASES

Disaster Recovery

Server rooms

Branch Networks

Edge Computing IoT

Temporary Capacity

Rapid Critical Infrastructure

Fully Mobile Capacity*

* + CDN (hyperscale) + VR/AR + Gaming eSport

TRUSTED BY

Altron Modular

PROOF OF SUCCESS

Delivered immediate IT capacities of a high-quality level

Three data centres were delivered to the technology compound DCO for **the Sharjah Department of e-Government** in the United Arab Emirates. They are Tier III Uptime Institute Certified.

"Contracting with Altron was an instinctive decision driven by the need for immediate IT capacities of a high-quality level. We are really happy with Altron Modular products and their services provider."

Offers world-class TCO and low OPEX

EvoBus, part of Daimler, initially wanted to design and build two server rooms to support their new manufacturing plant in Holýšov, Czech Republic. They were looking for an investment-friendly solution that did not require building modifications but increased fire safety and mobility within the premises.

The client decided to house their IT in EdgeDC with these benefits.

- ▶ Turnkey delivery
- ▶ Fully integrated data centre solutions
- ▶ Fast time to market
- ▶ Ready in advance with factory completion

Only 12 weeks to operational

Altron delivered the 1st Uptime Institute certified Mobile Data Centre in the Czech Republic. **The Ministry of Interior of the Czech republic** urgently needed temporary DC capacity during the reconstruction of their primary DC.

Benefits for the client include:

- ▶ Turnkey solution
- ▶ Strict project deadline met on budget
- ▶ Uptime Institute's TIER III certification

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PRODUCTS OF THE MODULAR DC FAMILY

StackDC

A fully fitted data center in hours with a pre-configured secure StackDC.

Single rack

EdgeDC

All the features of a brick-and-mortar datacenter in a mobile, scalable, and energy-saving environment.

Server Room in weeks

CoreDC

Consists of Power Pod, Cooling Pod and ICT Modules configured and tested at the factory.

Traditional DC – faster

PodDC

Power, Cooling, Battery storage, Mining – all effectively prefabricated in pods.
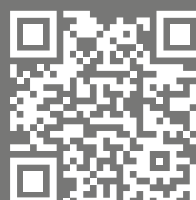
DC capacity system as component

Why Altron?

- With 30 years' experience in all aspects of data centres and mission-critical technologies, we build state-of the art solutions for a wide range of clients.
- We do so by offering a complete service, from consultancy and design to data centre operation, maintenance and management.
- Our R&D team actively contributes to the development of the global data centre sector by inventing and developing innovative solutions.

Data centers fast.

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