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nLighten edge data center

Chester.

MAN1

Known for its beautiful Roman walls, picturesque cathedrals, and vibrant shopping and entertainment scene, Chester is as a significant trade and industrial city in North West England. It is home to various sectors, including manufacturing, insurance, media, and chemicals, establishing it as a vital regional hub. In line with our commitment to fostering innovation and technological advancement, the nLighten data centre in Chester plays an important role in supporting local businesses and maintaining the city's reputation as an emerging telecommunications and economic hub. With superb connectivity and a tradition of ingenuity, Chester epitomises the connection between businesses and the future.

nLighten Chester.
Unit 2, Dunkirk Trading Estate
Dunkirk
CH1 6LT Chester

Location specifics.

The data center is conveniently located between Chester and Manchester, close to the M56 motorway and just 30 minutes by car from the Liverpool John Lennon Airport and 45 minutes from Manchester Airport. The data center has an area of 2,040 m², 2,800 kW of power, an office area, and ample parking space.

Like the other nLighten facilities, the Chester location enables our customers to benefit from a well-connected, high-availability data center and capable of housing high-density cabinets. The data center comes with a wide range of on-site services and a growing ecosystem of partners, all there to optimally support our customers' IT environment.

Highlights.

2,040 m²
of edge data center space

2,800 kW
proposed end-state site capacity

AI-readiness:
Design build of up to 50+ kW rear-door cooling

Sustainability:
Commitment to a net-zero carbon footprint

Compliance:
ISO27001 in all locations

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Edge data center Chester Features.

DATA CENTER

Location	Conveniently located for easy access by road and public transport	✓
Design	Tier III design target	✓
Connectivity	Carrier-neutral data center with diverse fibre entry points and meet-me areas	✓
Cooling	Cooling and humidity design complying with ASHRAE A1 allowable category	✓
Compliance	ISO27001, and programme in place for PCI-DSS, SOC1, SOC2, ISO14001, ISO 50001, ISO22301	✓

POWER

Redundant power with independent A and B feeds to each cabinet	✓
Proposed end-state site capacity	**2,800 kW**
Design power usage effectiveness (PUE) all phases	**1.29**
Standard density	**2 – 7 kW available**
High density positions up to 12 kW Air-cooling and 50+ kW rear door-cooling (AI-ready)	**New rooms**

SUSTAINABILITY

Heat recovery; residual redirected to local heating networks	**Feasibility study**
Commitment to a carbon-free energy footprint	**Green certificates upon request, CFE scoring commitment**

SECURITY

Dual factor access control (pin / biometrics); five lines of defence design target	✓
CCTV – Full coverage, storage in compliance with local laws	✓
Fire suppression in the data hall	✓

SUPPORT

24/7 service desk and 24/7 access to NOC services	✓
24/7 remote hands	✓
On-site staffing	**Office hours**

Want to know more? Have any questions? Or simply want to get in touch with us?
Send us an email at ***UK@nLighten.eu***.