



nLighten edge data center

Bridgend.**CWL1**

Its diverse economy, spanning manufacturing and research, is forging Bridgend into a technology and business center, promoting innovation and high-tech industries. The nLighten data center in Bridgend reinforces the city's status as a key regional industrial and educational hub in Wales, supporting local businesses with cutting-edge IT infrastructure and solidifying Bridgend's role in the region's growth and innovation.

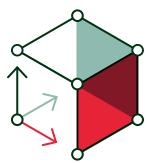
**nLighten Bridgend.**

Unit 3, Bridgend Science Park
Technology Drive
CF31 3NA Bridgend

Location specifics.

The data center is conveniently located in the south of Bridgend, close to the M4 motorway between Cardiff and Swansea. The data center has an area of 1,100 m², 1,500 kW of power, an office area and ample parking space.

Like the other nLighten facilities, the Bridgend 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.**1,110 m²**

of edge data center space

**1,500 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:
[Explore our certifications](#)

Edge data center Bridgend Features.

nlighten
close • coupled • connected
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	We adhere to industry-leading standards, comply with applicable regulations, and continuously enhance our infrastructure and security posture. Explore our certifications	✓

POWER

Redundant power with independent A and B feeds to each cabinet	✓
Proposed end-state site capacity	1,500 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	✓

24/7
SUPPORT

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