nlighten
close · coupled · connected

nLighten edge data center
Hanover.

HAJ1

As the capital of the state of Lower Saxony and a major regional junction, Hanover is a strategic location for the nLighten data center. The city is also one of the world's most important trade fair locations and a key communications hub. The nLighten data center in Hanover was established several years ago and has become a major communications hub for businesses in the city.
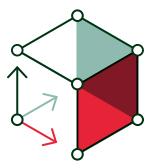
nLighten Hannover.
Vahrenwalder Straße 199
30165 Hannover

Location specifics.

The data center is conveniently located close to the A2 motorway and just 15 minutes by car from Hanover Airport. The data center has an area of more than 863 m^2, 1,800 kW of power, an office area and ample parking space.

Like the other nLighten facilities, the Hanover data center 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.

863 m^2
of edge data center space

1,800 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

Edge data center Hanover Features.

nlighten
close · coupled · connected

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	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	**1,800 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)	**Phase 1**

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**

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