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nLighten edge data center

Düsseldorf.

DUS1

Düsseldorf has become one of the top telecommunications centers in Germany with the national headquarters for both Vodafone and Telefonica, as well as several other telcos. As such, the city has become a magnet for technology companies as well as advertising agencies and the financial services sector. Located at the heart of the Rhine-Ruhr metropolitan region, the nLighten data center provides essential colocation services for the connectivity and telecommunications networks supporting these businesses.

nLighten Düsseldorf.
Ellerstraße 101
40721 Hilden

Location specifics.

The data center is well situated, just off the A3 motorway, 15 minutes from Düsseldorf's main train station, and 20 minutes by car from Düsseldorf International Airport. The data center has an area of almost 1,446 m², 3,600 kW of power, an office area and ample parking space.

Like the other nLighten facilities, the Düsseldorf 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.

1,446 m²
of edge data center space

3,600 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
Explore our certifications

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Edge data center Düsseldorf
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 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	**3,600 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	✓

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?
Find out more on ***www.nLighten.com***.