



nLighten edge data center

Cologne.

CGN1

Dominated by the twin spires of its famous cathedral, Cologne is the largest city in North Rhine-Westphalia. It is also an important commercial centre, especially for the automotive, insurance, media and chemical industries, making it a key regional communications hub. The nLighten data center optimally supports this key industrial heartland and its surrounding areas.



nLighten Cologne.

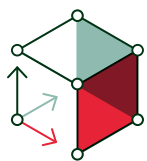
Max-Planck-Straße 36
50354 Hürth

Location specifics.

The data center is conveniently located, just off the A4 motorway, 6 km from Cologne city center, and 30 minutes by car from the two nearby airports. The data center has an area of 1,960 m², 1,800 kW of power, an office area and ample parking space.

Like the other nLighten facilities, the Cologne 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.



1,960 m²

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 Cologne Features.

 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 2	
 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	