



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.

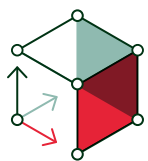
Ellerstraße 101
40721 Hilden

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. Location specifics anpassen: 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 in all locations

Edge data center Düsseldorf 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		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	✓	
 24/7 SUPPORT	24/7 service desk and 24/7 access to NOC services	✓	
	24/7 remote hands	✓	
	On-site staffing	Office hours	