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nLighten edge data center
Madrid.

MAD1

Spain's pulsating capital, Madrid, thrums with life and opportunity. Its thriving economy, fuelled by service industries and tourism, offers ideal conditions for businesses of all sizes. Whether you are drawn to the historic center or the modern districts, Madrid provides ample space for growth and inspiration. Amidst its electrifying energy, entrepreneurial spirits find the perfect environment to flourish and succeed. As a hotspot for innovation, Madrid's prosperous economy, characterized by digital progress, attracts companies worldwide. High-speed internet, first-class mobile networks, and the nLighten data center with top-tier edge and colocation services ensure optimal connectivity and data storage, giving businesses the digital tailwind they need to soar.
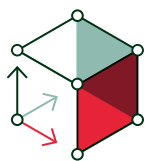
nLighten Madrid.
Calle De Lezama 4
28034 Madrid

Location specifics.

The data center is located in the north of Madrid, close to the M-607 motorway and just 15 minutes by car from Madrid Airport.

Like the other nLighten facilities, the Madrid 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.

3,300 m²
of edge data center space

2,000 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 Madrid Features.

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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	**2,000 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 ongoing**
Commitment to a carbon-free energy footprint	**Green certificates**

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?
Send us an email at *ES@nlighten.eu*.