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MAD01

Calle Fundidores, nº 40
Polígono Industrial
Los Ángeles, 28906 Getafe, Spain
Site Coordinates: 40.311693, -3.693439

This data center is strategically located at Spain's central fiber and logistics hub near the largest concentration of cloud services in Southern Europe.



Leading energy efficiency
with 1.15 PUE, which is 72% less overhead energy than the industry average.¹



Advanced waterless cooling
technology conserves precious local water resources.



Supports AI-driven rack densities
up to 70 kW/rack with air cooling and 200 kW/rack with plug and play liquid cooling integration.



Real-time monitoring and 24/7 onsite support ensure the facility operates at peak performance.

20 MW
CRITICAL CAPACITY

22,900+ m²
FACILITY SIZE

45 kV
UTILITY SERVICE

CONTACT@EDGEDENERGY.COM
WWW.EDGED.ES/MADRID-GETAFE

Industry-leading performance and sustainable design

MAD01 delivers secure, high-speed connections worldwide through a growing network of diverse, low-latency links to undersea cables in Bilbao, Barcelona and Lisbon. The state-of-the-art facility is uniquely optimized for both energy and water efficiency. The facility is powered by 100% renewable energy with ultra-clean backup power systems.



Carbon Savings²
22,600,000 kg CO₂e/yr



Water Saving³
291,300,000 liters/yr



Biofuel Standby Power
Standby generators powered by hydrotreated vegetable oil (HVO) reduce their CO₂ emissions by 90%



Solar Glass
Photovoltaic glass panels cover the facility and provide renewable energy



GENERAL

Status	Operational
Construction	New build; three stories
Loading Dock	Two bays
Certifications	ISO 9001, ISO 14001, ISO 50001, ISO 27001, ENS level HIGH, PCI-DSS
Access	24x7
PUE	1.15 PUE
Reliability SLA	100% uptime, dual corded equipment, Tier III Design

COOLING

System	Modular waterless system with free-cooling chillers No adiabatic cooling Standard air-cooling within data halls, options for liquid cooling
Hot Aisle Containment	Flexible designs ranging from 250 kW to 2.5 MW
Service	Uninterruptible maintenance outside of data hall
Reliability	N+1 redundancy; Dual power source; 2N piping

POWER

Utility Provider	Iberdrola
Utility Power	Two diverse utility feeds
Utility Voltage	45 kV
Power Delivery	Revenue-grade, transparent, real-time metering
UPS	Battery backup supporting all electrical and mechanical systems; N+1 redundancy
Generators	32 MW of backup power in a redundant configuration
Configuration	N+1

TELECOM

Telco Duct Banks	Three diverse entry points
Carrier Neutral	Multiple carrier access
Meet-Me Rooms	Two available

SECURITY

Exterior	Perimeter fencing Access gates
Interior	Biometric readers, ID badges, CCTV
Interior	24/7 manned security

¹ Compared with global average data center efficiency PUE 1.54 (Uptime Institute, 2025).
² Compared with global average efficiency and Spain average grid carbon intensity (European Environment Agency, 2022). Assumes 60% utilization of data center capacity.
³ Compared with industry average WUE 1.8 (Lawrence Berkeley National Laboratory, 2016).