



# LIS01-05

**Lisbon, Portugal**

Site Coordinates: 38.988289, -8.963743

This vibrant new center for AI research and high-speed computing is centrally located in the Lisbon area of Portugal with connections worldwide.



## Leading energy efficiency

with 1.15 PUE, which is 72% less overhead energy than the industry average.<sup>1</sup>



## 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.

## 180 MW

CRITICAL CAPACITY

## 23,280+ m<sup>2</sup>

FACILITY SIZE

## 60 kV

UTILITY SERVICE

[CONTACT@EDGEDENERGY.COM](mailto:CONTACT@EDGEDENERGY.COM)  
[WWW.EDGED.ES/LISBON](http://WWW.EDGED.ES/LISBON)

Industry-leading performance and sustainable design

The Lisbon campus is centrally located 20 minutes from the popular Parque das Nações district at the new Castanheira do Ribatejo rail station with connections worldwide. The state-of-the-art facility made up of 5 data centers is uniquely optimized for both energy and water efficiency and is powered by 100% renewable energy with ultra-clean backup power systems.



Campus Carbon Savings<sup>2</sup>  
167,500,000 kg CO<sub>2</sub>e/yr



Campus Water Savings<sup>3</sup>  
2,622,000,000 liters/yr



This facility is a certified  
**OCP Ready™** data center



GENERAL

Early Access	2026
Construction	New build; three stories, concrete slab, precast concrete structure
Loading Dock	Two bays
Certifications	OCP Ready™
Access	24x7
PUE	1.15 PUE
Reliability SLA	100% uptime, Tier III Design

COOLING

System	Modular waterless system Glycol heat transfer with air cooled chillers Closed loop evaporators provide secondary cooling
Hot Aisle Containment	Flexible designs ranging from 250 kW to 2.5 MW
Service	Uninterruptible maintenance outside of white space
Reliability	N+1 redundancy; Dual power source; 2N piping

POWER

Utility Provider	E-REDES & REN
Utility Power	Redundant
Utility Voltage	400 kV
Power Delivery	Revenue-grade, transparent, real-time metering
UPS	Battery backup supporting all electrical and mechanical systems; N+1 redundancy
Generators	35 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

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