



MERLIN | **edged**

BIL03

Supermanzana 6
Plataforma Logística Arasur
Avenida Ribera Baja S/N, 01213
Rivabellosa, Álava, Spain
Site Coordinates: 42.699409, -2.903731

Located at the Arasur industrial and logistics hub south of Bilbao, this state-of-the-art tech campus is at a high-speed fiber crossroads.



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.

22 MW

CRITICAL CAPACITY

23,640+ m²

FACILITY SIZE

30 kV

UTILITY SERVICE

CONTACT@EDGEDENERGY.COM
WWW.EDGED.ES/BILBAO-ARASUR

Industry-leading performance and sustainable design

BIL03 delivers top-tier performance with a global reach, with ultra-low latency links to markets worldwide, including North America and Northern Europe data hubs. 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.



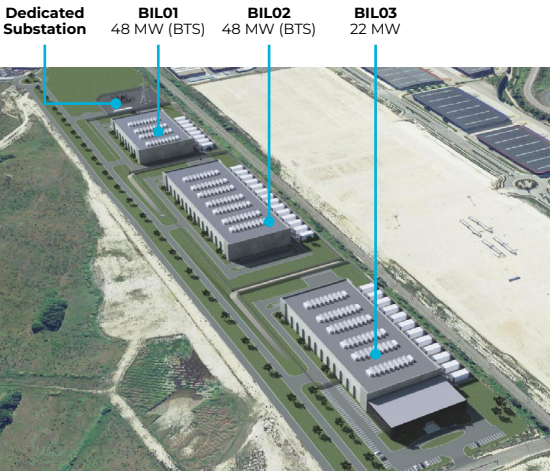
Facility Carbon Savings²
24,900,000 kg CO₂e/yr



Facility Water Savings³
320,500,000 liters/yr



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



GENERAL

Status	Operational
Construction	New build; three stories, concrete slab and structural steel
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	Endsea
Utility Power	Radial
Utility Voltage	30 kV
Power Delivery	Revenue-grade, transparent, real-time metering
UPS	Static UPS, N+1 redundancy with 8 mins EOL batteries
Generators	31.5 MW of backup power in a redundant configuration
Configuration	N+1

TELECOM

Telco Duct Banks	Two 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).