Global Data Centers | Fact sheet

Madrid 1 Data Center
Home of AI and cloud computing

Madrid is **the largest data center hub in Spain** and a gateway to the world. Three new submarine cables connecting USA, Latin America and North Africa make Spain **a vital communications hub in the global network**.

Data center space

- 3,400+m² of IT space
- Flexible colocation deployments: single rack colocation, cages, suites, turnkey build to suites, shell and core solutions
- Ancillary spaces (offices, storage, and pre-installation rooms) available
- Common areas such as meeting rooms, catering area and showers

Power

- Two extern substations delivering 10MVA of on-site power
- Maximum client IT load of 6.9MW
- Average power density of 1.5 – 2.0kW/m²
- Dual-power supply at 20kV level from two substations
- Two separate UPS systems (A- and supply) with 2N redundancy
- Redundantly designed emergency power system with diesel generators N+1

Cooling

- Redundant water-cooled system supported by free cooling (N+1)
- CRAH units in the suites and technical rooms
- Concurrently maintainable AHU's providing fresh air pressurization and humidity control to data suites
- Cold aisle containment to support high densities and maximize efficiencies

Fire protection

- Monitoring of the data center building with automatic digital fire alarm system
- Fire fighting system based on a nitrogen extinguishing gas system
- Very Early Smoke Detection Alarm system (VESDA)
- Fire protection walls to a minimum of 60 minutes separation

Security

- 24/7 Service Control Center for security and building operation
- Redundant monitoring of all critical functions underpinned by standardized security processes and the multilevel security zone principle, secures the rental area and technical operations
- Palisade fencing supported by an additional 2.4m-high anti-climb 358 »weldmesh« fence to protect the perimeter
- CCTV covering the external perimeter, plant areas, and data halls
- Ram-raid bollard protection to BS PAS 68:2013
- Card swipe entry/exit to all doors
- Preventive risk assessment as well as continuous testing and training of operating personnel

Additional services

- Consulting, general and implementation planning for development projects
- Client Implementation Services
- Installation Services
- 24/7 Remote Hands Services
- Facility Services
- Audit Support Services

Connectivity

- Carrier- and cloud-neutral
- Carrier-mix from global Tier 1 supplier to regional supplier
- Connectivity to the major carrier hubs in Spain
- Pre-spliced dark fiber available on demand
- Redundant Carrier-Meet-Me-Rooms
- Redundant cabling infrastructure with diverse paths
- Pre-Cabling to support fast Cross Connect deployments
- High-performance internet access
- Inter data center connectivity between our data centers for geo-redundant solutions
- Multi Service Interconnection Platform to connect our clients to major cloud service providers such as Amazon Web Services, Microsoft Azur and Google Cloud Platform

Certifications

- ISO 9001
- ISO 27001
- ISO 22301
- ISO 50001
- ISO 45001
- PCI DSS
- ISAE 3402 Type 2 Report
- ISAE 3000 Type 2 Report

Global data center network

- Part of the NTT DATA family
- Connectivity options to our global network

Service level agreement

- 99.999% power uptime availability
- Climate control conditions in line with ASHRAE guidelines
- Connectivity availability

Madrid 1 Data Center

NTT Global Data Centers MAD1 SL

Calle Aquisgrán, 2, Las Rozas de Madrid, Spain

Contact:

📞 +49 69 78 01 21 90

✉️ dc.emea.sales@global.ntt

🌐 services.global.ntt/globaldatacenters

in NTT Global Data Centers

Learn more about Global Data Centers

Global Data Centers, a division of NTT DATA, operates one of the largest data center platforms in the world with more than 150 data centers in over 20 countries and regions spanning North America, Asia Pacific, EMEA, and India. As a neutral operator, we offer access to multiple cloud providers, a wide variety of internet exchanges, and telecommunication network providers, including our own IPv6-compliant Tier 1 Global IP Network.

As a global industry leader, we excel in powering large-scale high-density and AI infrastructures that deliver scalable power and cooling solutions with unmatched efficiency and reliability. We are ready to facilitate client adoption of next-generation technologies for computing at scale, virtualization, data migration, and cloud and B2B private connectivity regionally and globally.

We are committed to operating our data centers with net-zero emissions across our operations by 2030 and in the entire value chain by 2040, as recognized by SBTi (Science-Based Targets initiative). As part of this commitment, we aim to power our data centers with 100% renewable or low carbon energy by 2030.

Visit us at **services.global.ntt/globaldatacenters**

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