



GTM SPAIN | GLOBAL DATA CENTERS EMEA

# Madrid 1 Data Center

Access to a vibrant community of hyper-scalers, enterprises, partners, and start-ups

Site brochure



## Home to the cloud

### Marketplace for growth and innovation

Madrid is the capital and most populous city in Spain. It is the financial and economic center of Spain, boasting one of the highest GDP's in the EU. The Bank of Spain, one of the oldest European central banks, resides in Madrid, as well as the Madrid Stock Exchange, which is the largest and most international stock exchange in Spain. Madrid hosts the head offices of many major Spanish corporations, such as Telefónica, IAG, Iberia, Prosegur and Repsol. The city has recently emerged as an IT business hub, with the amount of tech start-ups on the rise in recent years. Madrid holds the headquarters for many important media groups, newspapers and publications, and many well-established tech companies have a presence in the city for instance, Vodafone, BT, Orange, Apple, Microsoft and Google.

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 very important communications hub in the global network. NTT builds its first data center in Madrid giving access to a vibrant community of hyperscalers, enterprises, partners, and start-ups.

Madrid 1 will be located on NTT's 12,516 sqm site at Európolis Business and Technology Park, in the municipality of Las Rozas, one of the largest townships in Madrid, located 20 km northwest of the city of Madrid itself, on the A-6 freeway to A Coruña. Our data center is planned as a dedicated data center new

build and will offer an IT space of about 3,600 sqm and a client IT load of 6.4 MW. The grand opening is scheduled for Q3 2021.

### A solution for every requirement

With a total of 3,600 sqm IT space and a maximum of 6.4 MW IT load, Madrid 1 will offer complete solutions for housing your IT and network systems in a secure, high-availability environment. We will provide you with the best possible physical and

technical infrastructure supported by 2n UPS systems, n+1 generator backup, as well as highly redundant cooling systems. Madrid 1 will hold multiple certifications and will be connected to major carrier hubs and cloud networks. To validate hybrid cloud services and innovations faster and at lower cost, our **Technology Experience Labs** will provide the perfect hosted ecosystem in a live data center environment.



## Secure and flexible space built to your specifications

Your requirements are the most important aspect of our service offering. You choose, we deliver. Whether you select a building shell which you configure yourself, or we construct it according to your specifications, or even if you want to rent a single rack in our shared environment, we can accommodate your needs. We will also ensure the space is highly available through our years of engineering critical data centers while maintaining high levels of security to keep your infrastructure and data safe.

### Overview of our main product offerings:

<b>Fully-fitted</b>	Colocation rack Carrier rack
	Cage
	Suite
<b>Shell and core</b>	Area
<b>Supporting products and services</b>	Multi service interconnection platform
	Cross connects
	Remote-hands

## Infrastructure



### Data center space

- with a total of 3,600 sqm of IT space
- flexible colocation deployments: single rack colocation, cages, suites, turnkey build to suites, shell and core solutions
- ancillary spaces (offices, storages, and pre-installation rooms) available
- common areas such as meeting rooms, catering area, and showers

### 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

### Power

- two extern substations delivering 10 MVA of on-site power
- maximum client IT load of 6.4 MW
- average power density of 1.5 - 2.0 kW/sqm

- dual-power supply at 20 kV level from two substations
- two separate UPS systems (A- and B-supply) with 2n redundancy
- redundantly designed emergency power system with diesel generators n+1

### Fire protection

- monitoring of the **data center building** with automatic digital fire alarm system
- smoke detection early warning system (VESDA) in the return air path for **private** rooms
- water mist fire suppression system activated by double-knock fire detection
- 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 the technical operation
- palisade fencing supported by an additional 2.4-m-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

### Connectivity

- **carrier 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 NTT data centers for geo-redundant solutions

- multi cloud interconnection platform to connect our clients to major cloud service providers such as [Amazon Web Services](#), [Microsoft Azure](#), and [Google Cloud Platform](#)

#### Additional services

- consulting, general and implementation planning for development projects
- client implementation
- installation services
- 24/7 remote-hands services
- facility services
- audit support

#### Global data center network

- part of the NTT family of over 160 data centers around the world

### Technology Experience Lab

- **Technology spaces:** Globally available facilities in productive data centers of NTT that bring together more than 140 technology partners to enable prospects and clients to test and validate, but also innovate on the latest technologies.
- **Industry communities:** Today, information technologies are a key enabler to many organizations. Our industry communities help these organizations to identify relevant technology providers and connect with helpful contacts.
- **Start-ups and Venture Capital:** Many times, start-ups are major drivers when it comes to disrupting various industries. Our start-up unit brings together start-ups, corporates and venture capitalists to enable and accelerate innovation.

- connectivity options to the global NTT network
- access and use of Technology Experience Labs with a worldwide partner network

#### Service Level Agreement

- 99.999% power uptime availability
- climate control conditions in line with ASHRAE guidelines
- connectivity availability



## Location in Madrid

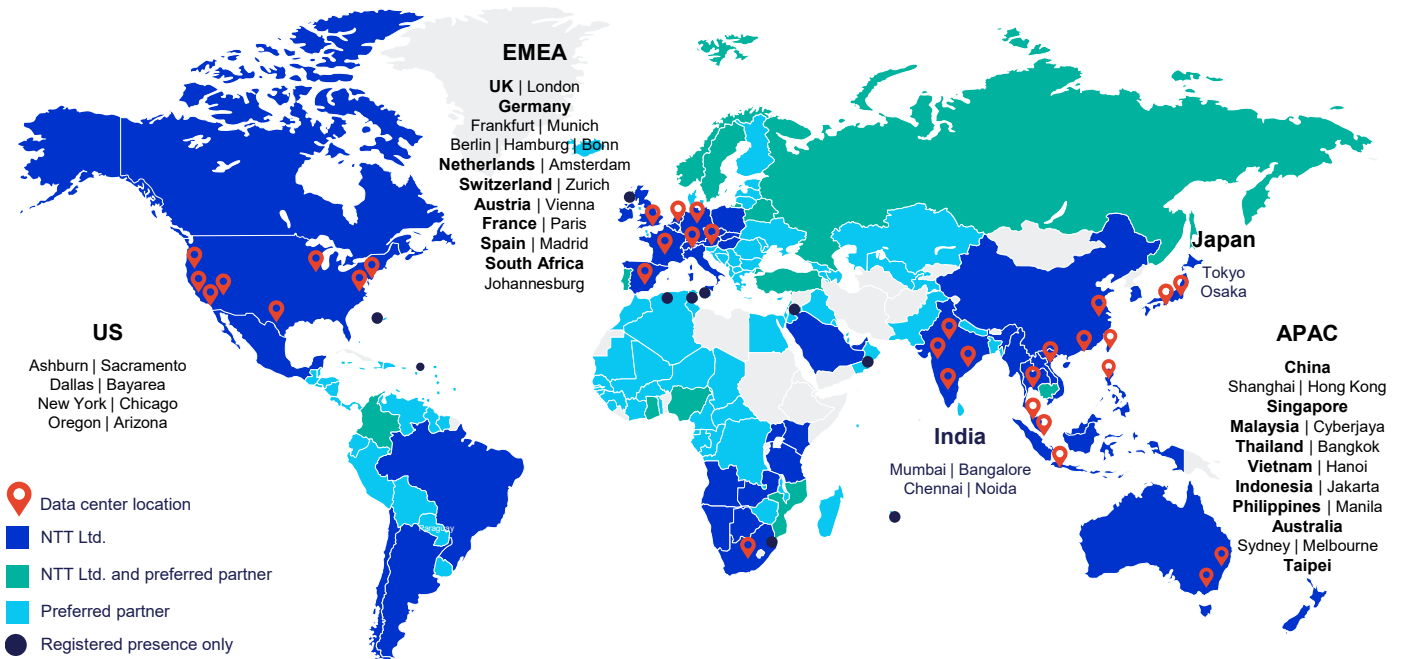


## About the Global Data Centers division of NTT Ltd.

Global Data Centers is a division of NTT Ltd. and incorporates DPA, e-shelter, Gyron, NetMagic, NTT Indonesia Nexcenter, RagingWire and other NTT Communications group data center divisions. Our combined global platform is one of the largest in the world, with over 160 data centers spanning more than 20 countries and regions including North America, Europe, Africa and APAC. As a neutral operator, we offer access to multiple cloud providers, a large variety of internet exchanges and telecommunication network providers including our own IPv6 compliant, tier 1 global IP network. Our clients benefit from tailored infrastructure and experience consistent best practices in design and operations across all of our highly reliable, scalable, and customizable data centers.



## Flexible connection to data centers and clouds: 20+ countries and 500,000 sqm server space



# NTT in numbers and facts



## Expertise

We help you to do great things.



Over **40,000**  
people are working for  
NTT Ltd. worldwide



Delivering services  
in more than  
**200** countries



**300,000**  
people are part of the  
NTT Group



## Technology solution

We have a full suite of technology  
solutions to help you create value.



## Partner

We work together with you.  
We're an extension for your business.



## Intelligent

For us, intelligent means helping you to be data driven, connected, digital, and secure.



5

regions



## Globally

We are wherever you are, making it easier for you to focus on your core business.



120

years of heritage in the NTT Group



## Outcomes

We shape the outcomes you're looking for.



**Contact**

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