EMEA

Amsterdam 1 Data Center

Secure and flexible space built

Site brochure

Home to the cloud

Amsterdam is the capital and most populous city in the Netherlands and is an international trading center due to its busy port and great transport links. Amsterdam is the economic hub of the Netherlands, boasting one of the most important financial centers in Europe. The Amsterdam Stock Exchange resides in the city, which is the oldest stock exchange in the world. Many of the world's biggest companies have made their European headquarters in Amsterdam, and in light of the recent Brexit uncertainty, some companies have moved their European headquarters from London to Amsterdam. Moreover, the technology and ICT industry are thriving in the city, as it has become a vibrant hub for technology innovation and start-ups, recently ranked as the fourth top global tech hub in the Savills Tech Cities 2019 report.

As a data center location, Amsterdam has risen to become one of the most important colocation ecosystems and occupies the third largest market in Europe. With the city's leading internet exchange and transatlantic fiber optic connections, Amsterdam's technical infrastructure serves both as a provider and contributor to today's digital economy. The Netherlands' rising reputation as a strategic technology location has not gone unnoticed with global hyperscalers making large scale data centers and digital infrastructure investments across the country. At the same time, data center operators such as the Global Data Centers division of NTT Ltd. continue to address the growing demand for colocation services within this market. Amsterdam 1 is positioned in the Schiphol-Rijk district of the city, an ideal data center location due to its centrality and excellent connectivity links.

The campus offers high availability, scalable data center space with high power density, carrier neutrality, flexible colocation spaces, cloud network access, connectivity and on-site support.

The first phase of Amsterdam 1 was opened in April 2019. Clients can choose flexible colocation deployments from single racks to cages and suites or select larger shell and core building space with client implementation if needed.

A solution for every requirement

Today, Amsterdam 1 offers 7,500+m² of IT space and 20.7MW IT load to provide complete solutions to house your IT hardware and network systems in a secure and highly available environment. Building C and D, which are currently under construction, will provide an additional 9,720m² of IT space and 22MW of IT load. We provide you with the best possible physical and technical infrastructure supported by 2N UPS systems, generator backup as well as highly redundant cooling systems. Amsterdam 1 holds multiple certifications and is connected to major carrier hubs and cloud networks as well as to the AMS-IX hub.

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 you even want to rent a single rack in our shared environment, we satisfy any option. We will also ensure the space is highly available through our years of engineering critical data centers whilst maintain high levels of security to keep your infrastructure and data safe.

Overview of our main product offerings:

Fully-fitted	Colocation Rack Carrier Rack
	Dedicated Cage
	Dedicated Suite
Shell and core	Area
Supporting products and services	Multi Service Interconnection Platform
	Cross Connect
	Remote Hands

Infrastructure

Data center space

- 7,500+m² of IT space additional 9,720m² currently under construction)
- Flexible colocation deployments: single rack colocation, cages, suites, turnkey build to suit and shell and core solutions
- Ancillary space options (offices, storages and pre-installation rooms) available
- Common areas such as meeting rooms, catering area and showers

Cooling

- High efficient chiller systems with free-cooling integrated and separated recoolers and own-programmed, weather-dependent energy management systems
- CRAH units in the suites and technical rooms
- Concurrently maintainable air handling units (AHUs) providing fresh air pressurization and humidity control to data suites
- Cold aisle containment to support high densities and maximize efficiencies
- Heat recovery with heating pumps for pre-heating the emergency standby power systems

Power

- 60MVA gross power from two substations on 20kV level (once fully built out)
- Client IT load of 20.7MW (additional 22MW currently under construction)
- Maximum power density up to 2.5kW/m²
- Two separate UPS systems (A- and B-supply) with 2N redundancy
- Redundantly designed emergency power system with diesel generators N+1

Fire protection

- Automatic digital fire alarm system on all levels with point and air aspiration detectors
- Very Early Smoke Detection Alarm Systems (VESDA) in the return air path
- Firefighting system based on a nitrogen extinguishing gas system
- Fire protection walls to a minimum of 90 minutes separation

Security

- 24/7 Security Operations Center and Operation Control Center
- 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 a security perimeter fence to protect the campus
- Video surveillance systems for the external perimeter, plant areas, and data halls
- Ram-raid bollard protection in accordance to BS PAS 68:2013
- Card swipe entry/exit to all doors and persons separation locks per data center building
- Preventive risk assessment as well as continuous testing and training of operating personnel

Connectivity

- Carrier- and cloud-neutral
- Carrier-Access-Rooms per building
- Carrier-Meet-Me-Rooms
- Carrier-mix from global Tier 1 supplier to regional supplier
- Redundant, structural 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 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
- Additional security services

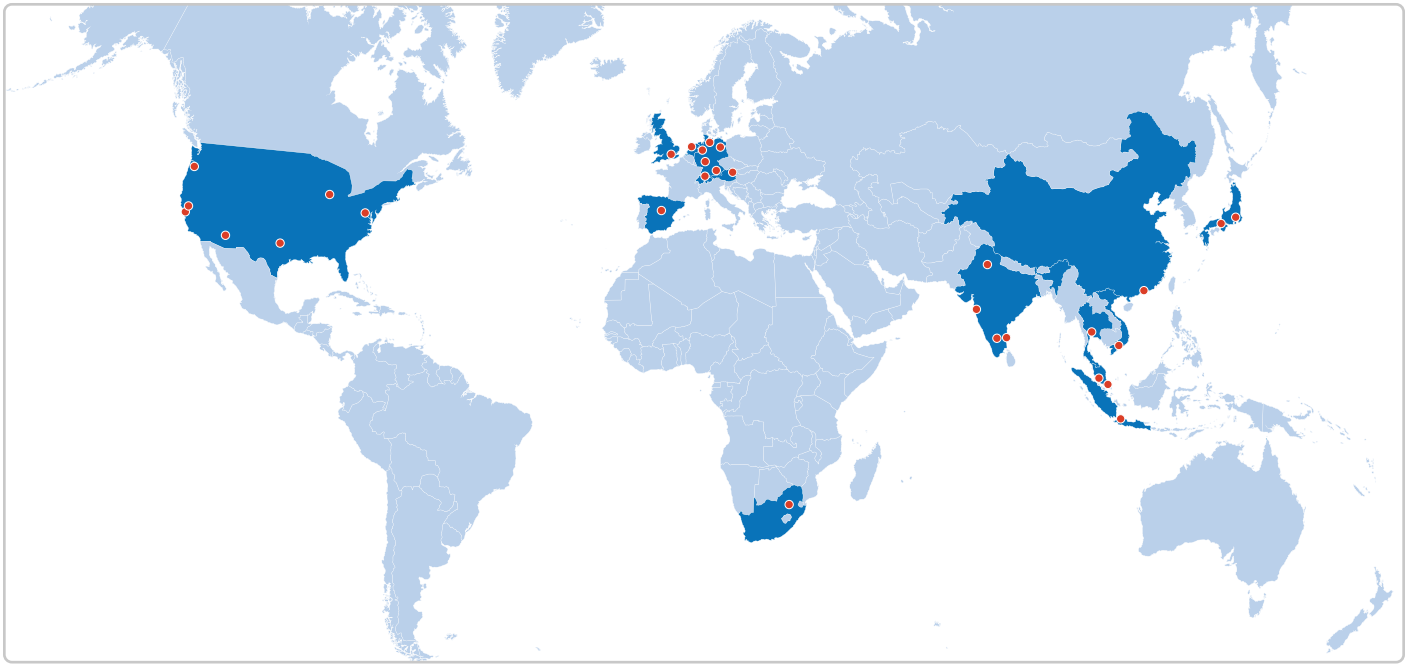
Global data center network

- Part of the NTT 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

Flexible connection to data centers and clouds: 20+ countries and 1,500+MW IT load



Why NTT's Global Data Centers?

Global Data Centers is a division of NTT Ltd. Our global platform is one of the largest in the world. NTT is routinely recognized as a leader by leading analysts in the networking and data center space, spanning more than 20 countries and regions, including North America, Europe, Africa, India 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. You benefit from tailored infrastructure and experience consistent best practices in design and operations across all of our reliable, scalable and customizable data centers. We're ready to facilitate client adoption of next-generation technologies for computing at scale, virtualization, data migration and cloud and B2B private connectivity both regionally and across the globe.

Visit us at our website **services.global.ntt**.

Location

Address and contact

Amsterdam 1 Data Center
NTT Global Data Centers AMS1 B.V.
Aviolanda 1
1437 ED Rozenburg
Netherlands

T: +31 85 076-45 00
E: dc.emea.sales@global.ntt


NTT