



Navi Mumbai 1A

400,000 sq.ft. of space
5000 racks
45 MW facility load

Navi Mumbai, a satellite city to India's financial capital, is located 25kms from mainland Mumbai. It offers access to reliable power and connectivity infrastructure, with multiple telecom providers and landing stations for local and global connectivity. Making it ideal for clients to host their critical infrastructure.

Specifications

Facility specifications

- 400,000 sq.ft. of space
- Capacity to host 5000 racks and 30 MW IT Power
- Uptime of 99.99% through redundant infrastructure
- 45 MW of facility power
- Earthquake-resistant design and seismically safe location
- Structure: G + 8 and 1 basement floor, dedicated data Center building, steel construction
- Load-bearing capacity: 1500 Kg/m²
- Data center Type: Rated 3 - TIA 942 standard
- Standard rack with front and rear perforated door with size 600mm × 1000mm × 2100mm (42U)
- Provision for hosting customized racks, cages are available

Power specifications

- HT power feed 220 KVA
- Diesel emergency generator of 34x2500 KVA
- UPS system redundancy is with a minimum bridging time of 10 minutes battery at full load, which is without the addition of any power
- N:N UPS configuration; 1000 KVA modules
- Standard power per rack, either 32A or 16A

Cooling specifications

- High-volume, zone temperature control systems
- This data center is first data center in India to have deployed alternative cooling solutions including Liquid Immersion Cooling and Direct Contact Liquid Cooling.
- Multiple precision air conditioning units, with (N+2) redundancy to ensure the optimal temperature is maintained at 23°C ± 2°C
- HVAC units powered by normal electrical systems

Security specifications

- Six levels of security for building access including government issued photo ID, metal detectors, vehicle scanners and more
- CCTV cameras for 24x7 surveillance, with a 3-month footage storage
- Digital pan-tilt-zoom cameras that monitor all data center secure areas, parking lots, entrances, and roof
- Anti-rodent systems deployed
- 10+2 ft. high boundary (grill on 3 sides and wall on rear boundary) at 4 sides

- All manhole lids are secured, locked and monitored
- 24x7 on-site physical security present
- Turnstile, Mantrap, and secure doors to prevent tailgating and data vault access
- Biometric access control to server hall

Fire protection specifications

- Monitoring with an automatic digital fire alarm system
- A smoke detection early warning system (VESDA), also takes care of AC generated airflow
- The entire data center is protected with (NOVEC) based fire suppression that extinguishes any fire in 10 seconds on the release of the gas
- All the checks are done and performed on routine basis like, fire drills, fire training to each employee, escalation of warning signals to appropriate persons

Certifications and Compliance

This facility will have the following certifications:

- ISO-27001:2013 (ISMS), ISO-20000-1:2011 (ITSM), ISO-9001:2015 (QMS), ISO 22301:2012 (BCMS), ISO 27017 (Cloud Security), ISO 27018 (Cloud Privacy)
- PCI-DSS v3.2.1, CISCO CMSP
- SAP HANA - Operations, SAP - Hosting Operations, SAP - Cloud and Infrastructure Operations
- Service Organization Controls (SOC) 1 Type 2 Report
- Service Organization Control (SOC) 2 Type 2 Report
- Rated 3 - TIA 942 standard

Network and Connectivity

- Carrier neutral facility with presence of all major telecom service providers
- 4 distinct paths for fiber entry into the facility with Meet-me rooms on each server floor
- International connectivity redundancy
- Local loop connectivity is established through state-of-the-art SDH standards based on optical MUXs
- Direct and redundant connection to BCIX and CDN providers
- Direct connection to disaster-resistant cable tunnel
- Direct connection to NTT communication's service nodes
- Connectivity between NTT's facilities via Data Center Interconnect (DCI) fabric with ability to extend to all major cloud providers

- Global connectivity from Mumbai landing station for MIST sub-sea cable system connecting Singapore, Myanmar and India

Amenities and Benefits

- Customer seating space
- Meeting rooms
- Cafeteria

Maintenance and Operations

- Network Operations Center (NOC) offers 24x7 support
- Expert teams comprised of support staff, call analysts and senior technical staff
- Highly skilled engineers armed with world-class tools, systems, and processes will monitor your networks on a 24x7 basis
- Single window Customer Portal for access to billing, support tickets, reports, and dashboards
- Well defined escalation matrix for quick responses to incidents available
- Centralized Building Management System (BMS) to monitor every part of the facility

Serving Navi Mumbai

NTT is building 3 campuses in the Mumbai region.

- Central Mumbai campus in Chandivali to host an ultimate facility load of 250 MW
- Navi Mumbai 1 campus in Mahape to host an ultimate facility load of 150 MW
- Navi Mumbai 2 campus in Airoli to host an ultimate facility load of 500 MW

That's a total of 900 MW of facility load that NTT will deliver in the Mumbai region, making it the undisputed leader.

About NTT Ltd.

NTT Ltd. is a leading, global technology services company. To help our clients achieve their digital transformation goals, we use our global capabilities, expertise, and full-stack technology services delivered through our integrated services platform. As their long-term strategic partner, we help them enhance customer and employee experience, transform their cloud strategy, modernize their networks and strengthen their cybersecurity. And across their transformation priorities, we automate their business processes and IT, drawing insights and analytics from their core business data. As a global ICT provider, we employ more than 50,000 people across 57 countries, trading in 73 countries and delivering services in over 200 countries and regions. Together we enable the connected future.

Visit us at <https://services.global.ntt>

Recent Accolades



CIO Choice Awards 2022

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- Managed Security Services
- Managed Network Services
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Leader

Gartner Magic Quadrant for Network Services 2022



Best Practices Awards 2022 with the Indian AI-based Datacenter Operations Technology Innovation Leadership Award



Major Player in IDC's MarketScape: Cloud Security Services, Asia Pacific 2021

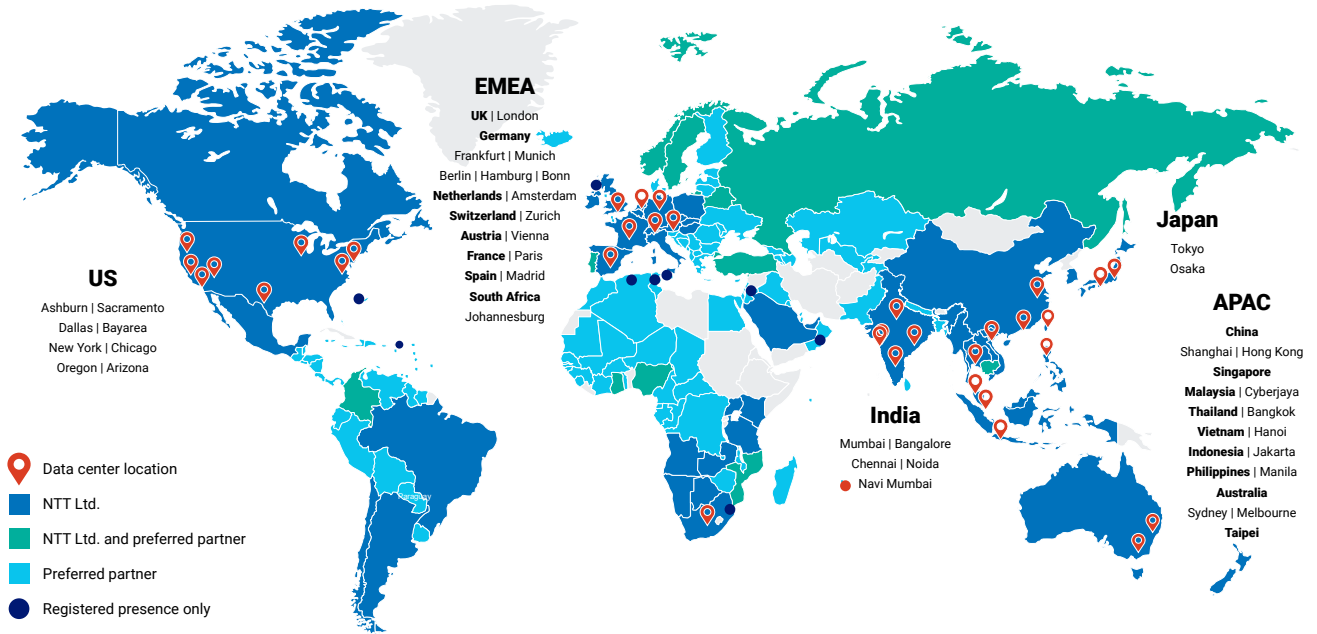


Leader in ISG's Provider Lens for Cyber Security: Solutions and Service Partners 2020; AU (TSS, SSS, MSS)2



Leader in India's data center market



NTT plans to increase data center operations to a total of over 600,000 m² (approx. 6.5M ft²) of floorspace in over 20 countries and regions.



NTT in numbers and facts

Global credibility and scale

India's leading technology services provider

 Top 5 Global IT services provider	 USD 112 billion Global revenue worldwide	 6500+ Employees	 12 Data centers
 USD 3.6 billion Average annual R&D spend over the next 5 years	 A presence in 80+ countries	 3 R&D centers	 Pan-India Service delivery
 A heritage of 150+ years	 #62 Fortune Global 500 ranking	 3000+ Clients	 3000+ Technical resources

For further details please contact

1800 103 3130

india-marketing@global.ntt | services.global.ntt