

# Building Digital Future

## Telia Helsinki Data Center Pitäjänmäki, Helsinki, Finland

The Telia Helsinki Data Center is the largest open data center in the Nordic countries. It offers flexible, secure data center and cloud services to companies and organizations of all types. The data center also provides the basis for future services, such as AI, robotics, IoT and 5G.

Our colocation facilities provide your servers with a modern and monitored environment that meets the requirements set for IT equipment. Some of our data halls offer higher levels of security classification, so we can meet even the most mission critical needs. Our national and international backbone network connections link your data and communications equipment seamlessly together.

We help create new kinds of connections and aim to make life as easy and seamless as possible for you, your business, and your community, no matter where you are in the world. Networks and connections are at the core of our operations, and we are also pioneers in digital business. We offer various services in areas such as smart networks, home and transportation, and digital identification.

Contact us: [telia.fi/datacenter](https://telia.fi/datacenter)

### Helsinki Data Center in brief

- Finland's largest open data center: 15.000 m<sup>2</sup> of white space and 24 MW of IT power
- Tier III reliability and availability
- First-class local and international networking services available from multiple operators
- Certified environmentally friendly (CEEDA Gold and LEED Gold)
- Comprehensive certifications, including ISO 9001, ISO 27001, ISO 22301, PCI DSS

Scan the QR code to watch the video



## Facility

- Designed and implemented according to the requirements of Tier III and EN 50600
- Redundant critical IT power capacity: 24 MW
- Building area: 34.000 m<sup>2</sup>
- Data center area: 15.000 m<sup>2</sup>
- All the data halls are certified to a category of at least TL IV (KATAKRI 2020)

## Services

- Customer dedicated cabinets (from 12 RU to 52 RU) in our normal and high security (KATAKRI 2020) data halls
- Customer dedicated normal and high security data halls available
- Smart hands installation and maintenance services
- Cabling and design services
- Logistics and storage services
- Lounge facilities and meeting rooms
- Supplementary capacity and managed services available as needed (including VMware capacity, backup and disk capacity)

## Power

- Dual power feeds from Helen Oy 110 kV with different routes
- Redundant power (N+1) with UPS and backup generators
- Reserve fuel available for at least 48 hours of operation at full load
- Dual power feeds (A+B) to cabinets

## Cooling

- Excellent energy efficiency (PUE target < 1.2)
- Liquid based cooling system with condensers, chillers and CRAH units (N+1)
- Free cooling can be utilized for approx. 95% of the hours per year
- Heat recovery and reuse in the district heating network
- Cold/Hot aisle solutions in the data halls

## Sustainability

- We only use carbon-neutral renewable electricity
- Heat recovery and reuse in the district heating network (up to 250,000 MWh/year)
- Gold-level LEED™ and CEEDA™ certificates

## Fire Safety

- Every data hall is a separate category EI60 fire compartment
- Top-grade early-warning fire detection system (VESDA)
- HI-FOG™ fire extinguishing system
- Gas based (Argon) fire extinguishing system in our high security data halls (TL III)

## Connectivity

- Four separate, independent fibre routes to the data center
- Four separate meet-me rooms
- Carrier neutral
- Multiple local and international carriers present with their services
- Arelion's global backbone network
- Direct cloud connectivity (including Telia Global Cloud Connect and Megaport Cloud Connect)
- Various cross-connect options available within the data center
- Supplementary services include firewall services, DDoS protection, routers and other network equipment

## Certificates

- ISO 14001 environmental management system
- ETJ+ energy efficiency system
- LEED GOLD Datacenter V4.0
- CEEDA GOLD Design and Operate
- ISO 45001 occupational health and safety management system
- ISO 9001 quality management system (B2B services)
- ISO 22301 business continuity management
- ISO/IEC 27001 information security management system
- ISAE 3000 Type II assurance report
- Katakri TL III / IV physical security (KATAKRI 2020)
- PCI DSS compliant (physical security)

## Security

- The data center is manned 24/7 by security personnel, operations center and SOC
- 24/7 customer service and access to the data center
- Comprehensive access control and management (including man traps, vehicle traps, proximity sensors, key tokens, camera surveillance)
- Multi-layered physical security zoning of the premises both indoors and outdoors
- High security Katakri TL III data halls