

IXcellerate offers to host server racks at differently located data centres on custom terms for your business.

Colocation



IXcellerate Infrastructure specifications

Power Supply

- Hosting of customer infrastructure of any capacity, including high-traffic racks up to **55 kW**.
 - **60+ MW**. Power capacity of IXcellerate's North Campus at full capacity.
 - **380+ MW**. Power capacity of IXcellerate's South Campus at full capacity including the in-house power supply centre to be built.
 - Independent power supply feeds, backed up with standalone transformers, diesel generators and uninterruptible power supply systems.
 - **2N**. Rack-level redundancy. Rack connection via two lines from two independent feeds.
 - **N+1**. DC energy infrastructure redundancy (DGU, UPS and switchgear).
 - Every DC has two independent inputs from a power supply line **10 kV** minimum.
 - DC is guaranteed to remain online thanks to backup supplies such as DGU, which are refuelled every 32 hours at full rated capacity.
- Autonomous operation time: **500 hours**.

Cooling

- The climatic parameters are **ASHRAE** compliant with the temperature range of + 18-27°C and humidity of 30-80%.
- A compound cooling system is used, which **combines energy-efficient** chillers with freecooling (for server rooms) and multiloop freon systems (for DC infrastructure).
- An innovative **adiabatic air-precooling** system starts up for peak temperatures.
- Depending on the DC involved, there is used:

1 The principle of insulation of hot corridors where air is supplied through **cold walls using the LSV** (low-speed ventilation) process

2 A conventional system for cold-air supply from under the **raised flooring**.

- **N+1**. Cooling system redundancy
- All pipelines are protected by a leak detection system.

Physical security

- **24/7/365** secure grounds.
- Up to **6 levels** of physical security.
- Video surveillance system.
- Gateways, buffer zones and physical enclosure/insulation of customer area upon request.
- Strict authorization and access control procedures as per **PCI DSS**.

Fire safety

- Automatic fire alarm system.
- Public address and evacuation system.
- Early-warning air-sampling fire detection system.
- Automatic fire protection system.
- Mobile localized fire extinguishing.

IXcellerate's data centres use two types of automatic fire suppression systems:

- A gaseous fire suppression system based on **NOVEC 1230**
- A high-pressure water mist (HPWM) system, which uses distilled-water mist generated under high pressure through a zoned sprinkler system as an extinguishing agent.

Both systems have all RF certificates of conformity and fire safety certificates.

Choose a solution

Scalability from **1 rack** to a **dedicated server room**
500 + racks

Rack unit

Server hardware can be hosted at Tier III data centres within the grounds of the South and North Campuses.

Dedicated area

Hardware can be hosted in a dedicated area within a server room, in a physical enclosure with a private access.

Server room

Hardware can be hosted in a dedicated space with a custom physical security system as well as bespoke access control solutions.

Several server rooms within a campus

Hardware can be hosted in several rooms allocated within a campus.

North Campus (MOS 3, reservation)
South Campus (MOS 5, operation; MOS 6, MOS 7 and MOS 8, reservation).

Any hosting option can have **capacity reserved** in IXcellerate's two campuses at different locations

The specifications listed in the brochure are tentative and can be revised.

Certificates

IXcellerate's data centres are designed to **Tier III** standards. Guaranteed availability and accessibility of all DC infrastructure components: **99.982%**. The company is regularly audited and recertified for conformity to ISO and PCI DSS international standards.



PCI DSS v.3.2.1



ISO 9001-2015



Tier III Design



IBM Certificate



ISO 45001:2018



ISO/IEC 27001:2022