

# EN1 ENSCHEDE EQUINIX DATACENTRE



## PROFILE AND LOCATION

The presence of the best technical University of the Netherlands (Twente University), makes Enschede an important city for high educated employees and up to date knowledge. Furthermore the datacentre is lain above the sea level (NAP: normal Amsterdam sea level). Moreover customers have got an excellent accessibility by car (close to the motorway A1, A35/N35 to Germany) and by train (Enschede Central Station).

## SITE FEATURES

**Total Area:** 2,900m<sup>2</sup>.

**Technical Space:** 1,200m<sup>2</sup>.

**Building:** The building is of concrete structure, including concrete roofing with bullet proof glass.

**Slab:** The floor is rated to 30KN/m<sup>2</sup>.

**Height:** Min. 4.000mm clear between the raised floor and the lower ceiling. Max rack 47U. Vault: Min. 2.400mm clear between the raised floor and the lower ceiling. Max rack 42U.

**Floor:** Anti static 600x600mm tiles with a 4.5 KN point load capacity, floor void of 600mm. Conduction 10<sup>-7</sup> Ohm.

**Office Space:** No office space available.

**Access to the Building:** 24x7x365.

**Connectivity:** 4 carriers connected with own fibre using diverse routes. Further carriers can be connected immediately.

**Meet Me Room:** Restricted access to Equinix technicians and security guards only.

**Cabling:** Copper UTP and fibre managed via the Equinix pre-cabling system to the customer rack via DDF and ODF.

## DATACENTRE FEATURES

### Power

**Power Feed:** Medium voltage 10KV supply. Two transformers, 2MVA and 630kVA, each feed the regular network via two independent distribution units.

**Power on Site:** 230V AC or 400V three-phase AC.

**Generators:** N+1 configuration - 1.6MVA generators. 48h on site fuel autonomy, refuelable during use.

**UPS System:** AC supply: Static UPS System with 3x300kVA in N+1 (1,5MVA) - 10 minutes autonomy.

**Grounding System:** TNCS.

**Lighting:** High frequency.

Minimal 300 Lux.

**SLA:** 99.999% guaranteed to the PDU.

## ENVIRONMENT

**Temperature Set Point:** 22°C +/-2°C.

**Redundancy:** Airco System N+1 configuration.

**Cooling Capacity:** Up to 2 kW/m<sup>2</sup>.

**Humidification Set Point:** 50% +/-20%.

**SLA:** 99.99%.

## FIRE PROTECTION

**Fire Detection:** Two stages of fire detection.

- **Aspiration System:** VESDA – early detection system.
- **Point Detection:** Addressable Analogue point detection system using optical detectors operating a double knock protocol.

## SECURITY

**Access to Site:** 5 stages of access – site entry door (tourniquet), reception, elevator and doors with card access. 4 levels of security.

**Physical:** Heavy fireproof door to DC.

**Human:** 24x7 staff available.

**Electronic:** 24x7 monitoring, access cards, intruder alarm, analogue CCTV

**Security on Site:** Limitation of access in the technical area. Card access proximity readers to all doors with intruder alarm. Enhanced security options to dedicated suites available.

## CONTROL

**BMS:** Internal systems continuously monitored Equinix infrastructure (power, air conditioning, fire protection and security)

**Cable Management:** Cable management is facilitated by the use of IMS cable management software.

**Card Access:** AEOS system.

**Delivery:** ServiceDesk operations, Network Operation Centre and datacentre management services are underpinned by service management software. This system tracks customer equipment installations, work orders and (technical) support provided on site.