

DigiPlex Norway - Ulven

The DigiPlex Oslo Ulven data centre is located in the Økern district of Oslo, historically a centre for industrial and manufacturing activities. Known as the SDS Posten building, it was originally designed and built in 1981 for the Norwegian Government as a data centre and communications hub.

It provides more than 4 200m² of white technical space and is constructed of a concrete frame arranged over four levels with all the necessary data centre requirements. The facility occupies a roughly triangular plot and is surrounded by a zone of secure car parking space and a 360° perimeter security fence.



Specification summary

The data centre offers both standard and tailored IT housing and provides more than 4 200m² of white technical space. Particular customer specifications can be incorporated including electromagnetic protection, fire suppression and special power supply arrangements. The infrastructure is designed for 100% concurrent maintainability - no down time. Secure surface parking for 54 cars.

Construction

- Comprises 4 200m² of IT housing space providing both retail and wholesale modules
- Master plan caters for conditioned module, office, disaster recovery and storage space
- Range of floor to ceiling heights up to 4m available

Conditioned power

- Two x 2.2MVA dual output diesel rotary UPS systems providing 1.8MVA of UPS 'diverse' power
- Scalable UPS building to a maximum of 4MVA in 250KVA blocks providing either 'diverse' or 'redundant' power supply systems to customer modules
- 48VDC redundant power

Power

- 7.6MVA increasable to 12MVA

Emergency power

- Two x 2.2MVA dual output diesel rotary UPS systems, providing 1.6MVA of short break power supplies
- Two x 2.2MVA diesel standby power generators supporting scalable UPS and short break supplies
- Five synchronised 1.0MVA diesel standby power generators supporting modular UPS and short break supplies
- Fuel supply to support 48hrs diesel generator running at site 'full load'

HVAC cooling

- Conditioned modules are supported by six redundant 1MW chillers feeding in-module redundant close control units. Total capacity 4.2MW
- 'Free' cooling chiller configuration capable to 100% cooling duty in wintertime

Fire protection

- Argonite fire suppression system in conditioned modules
- High grade very early smoke detection apparatus in conditioned modules
- Monitored automatic smoke detection throughout

Fibre infrastructure

- Carrier neutral host to multiple independent fibre carriers
- Provision of diverse underground fibre entry points
- 12 x 100mm fibre ducts for access to three secure carrier connection rooms with provision for a third diverse point of entry

Security

- High grade 360° boundary fencing with secure access control
- Security operates from purpose built security shelter
- Internal and external advanced security surveillance camera system

Accessibility

- Oslo City: 6km
- Airport express: 6km
- Airport: 70km
- Rapid transit: 0.3km



Argonite fire suppression system in conditioned modules



Intruder detection and cards throughout the data centre