



# DigiPlex Norway

## Fetsund

The DigiPlex Fetsund campus, on a plot of 40,000m<sup>2</sup> powered by N+N 24MW supplies from 100% renewable energy sources, houses two groups of data centers.

Fetsund 1 is an established facility with state-of-the-art technology and industry leading energy efficiency features. The data center has been purpose built to meet the digital demands of the future.

Fetsund 2 houses two 3MW data centers that are fully leased.

The innovative infrastructure for all three buildings incorporates a low energy indirect air-cooling system designed specifically to exploit Norway's cooler climate. This ground breaking solution will enable the scheme to deliver high levels of cooling with exceptionally low power consumption.

We are in the process of designing another 6MW, dual hall data center on the campus to allow for growth at this popular location.

## Fetsund 1 Specification Summary:

The data center comprises 4,200m<sup>2</sup> of IT housing white space arranged in data halls on three floors in each of two buildings. These 6m high spaces each have a floor area of 700m<sup>2</sup> and have been designed for an IT density of 2kW/m<sup>2</sup>. The two buildings are connected by a building which contains administration, office and domestic facilities. Goods and personnel elevators are also located in this central section. The infrastructure is designed for 100% concurrent maintainability - no down time.

The building houses six data halls of which four are leased.

### Construction

The buildings' façades consist of prefabricated concrete wall panels with distinctive etched façade panels designed to complement the surrounding area

Floor to ceiling heights of 6m

An eight person capacity passenger and a 2500kg capacity goods service lift

The site is located above the 1:1000 year flood event

### Conditioned Power

Each building is supported by five 2.5MVA continuous rated diesel generators

A separate landlords generator serves the building

Scalable UPS to a maximum of 2MVA/1,000m<sup>2</sup> providing 'diverse' N+N power supply systems to customer modules

N+N electrical supplies to mechanical equipment

### Power

9.8 MVA increasable to 12.6MVA

Design PUE 1.12

Resilience 99.999

### Power & Cooling

N+N 24MW high voltage supplies to the site

UPS and power distribution equipment located in a central plant area, minimising transmission loss

Containerized LV generators are located parallel to the main building configuration in N+1 configuration with individual fuel storage belly tanks

Self-contained Air-to-Air cooling plant is located externally, adjacent to the data hall

### HVAC/Cooling

Each 2,100m<sup>2</sup> building is supported by N+1 redundant Air-to-Air indirect evaporative coolers

Each cooler has an optional load looping DX coil to accommodate ASHRAE extreme wet bulb conditions

Designed for 100% evaporative cooling with mechanical backup

### Fire Protection

De-Ox hypoxic fire prevention or optional NOVEC gas release systems

High grade very early smoke detection apparatus in data halls

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 two secure carrier connection rooms in each building

### Security

24/7 Technical shift presence in building

On site 24/7 manned security presence

Internal and external advanced security surveillance camera systems

Man trap, intruder detection and card access systems throughout

High grade boundary fencing, plus vehicle trap and pedestrian access point

Car parking external to security fence

Layered security measures



Connected



Secure



Sustainable



Scalable



Innovative



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## Fetsund 2 Specification Summary:

Fetsund 2 is on the same campus adjacent to Fetsund 1.

Fetsund 2 comprises two separate 3 MW data center buildings that have 1,862m<sup>2</sup> of IT white space between them. These spaces have been designed for an IT density of 3.22kW/m<sup>2</sup>.

A further data center is under design that will house two physically separate data halls. Each hall will be 931m<sup>2</sup> with 3MW of available IT power.

The infrastructure is designed for 100% concurrent maintainability - no down time.

### Construction

The buildings' façades consist of prefabricated concrete wall panels with distinctive etched fascia panels designed to complement the surrounding area

The site is located above the 1:1000 year flood event

### Conditioned Power

The buildings are supported by six 2.5MVA continuous rated diesel generators

There is a separate landlords generator for each building

Scalable UPS providing 'diverse' N+N power supply systems to customer modules

N+N electrical supplies to mechanical equipment

### Power

3MW per data hall, solely for IT use

Design PUE 1.12

Resilience 99.999

### Power & Cooling

N+N 24MW high voltage supplies available to the site

UPS and power distribution equipment located in an adjacent central plant area, minimising transmission loss

Containerized LV generators are located parallel to the buildings in N+1 configuration with individual fuel storage belly tanks

Self-contained Air-to-Air cooling plant is located externally, adjacent to the data hall

### HVAC/Cooling

Each building is supported by N+1 redundant Air-to-Air indirect evaporative coolers

### Fire Protection

NOVEC gas release systems

High grade very early smoke detection apparatus in data halls and power pods

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 two secure carrier connection rooms in each building

### Security

24/7 Technical shift presence in building

On site 24/7 manned security presence

Internal and external advanced security surveillance camera systems

Man trap, intruder detection and card access systems throughout

High grade boundary fencing, plus vehicle trap and pedestrian access point

Car parking external to security fence

Layered security measures

#### ■ Focus on Core Business

Capital and resources focused on growing your business, not building and managing data centers

#### ■ Green Credentials

Powered by 100% renewable energy

Snow and rainwater harvesting

Indirect air to air cooling

#### ■ Secure

Designed to be secure and reliable

#### ■ ISO Compliance

ISO9001, ISO14001, ISO27001 and ISO45001

#### ■ Customer Satisfaction

Independent customer survey ranking. Overall Customer Satisfaction:

DigiPlex 4.8/5

Benchmark 4.2/5

#### ■ Colocation Leader

Recognized by ISG as leading Nordic colocation provider



Connected



Secure



Sustainable



Scalable



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