Capitalize on Nordic Climate for Data Center Efficiency

STACK’s OSL03 campus is located in Fetsund, a suburb south of Oslo. On a plot of two hectares and powered by 100% renewable energy, it offers short- and long-term scaling opportunities, robust connectivity, and low-latency access to major interconnection hubs. The campus currently features three operational data centers (OSL03A, B & C) following our modular design principles for scalability and efficiency.

The latest facilities (OSL03 B & C) are certified to ISO Class 8 filtration for fresh air AHU that serves the data hall, together with a unique snow melt system and rainwater re-use for cooling systems. This highly efficient system is uniquely suited to the Nordic climate, yielding efficiencies and cost savings up to 25% beyond the industry average. All facilities on campus are powered with 100% certified renewable hydro energy.

We are in the process of designing another 6 MW, dual hall data center (OSL03D) on the campus to allow for growth at this popular location.

Right-Sized Capacity: Choose from a POWERSTACK or HYPERSTACK deployment for maximum flexibility and control.
Population Density: OSL03 is 30km east of the Oslo capital area, home to approximately 1.5 million of Norway’s 5.4 million inhabitants.
Robust Hydroelectric and Zero-Carbon Power Infrastructure: Campus is powered by 100% certified renewable hydro energy.
Expansive Connectivity Ecosystem: Campus constitutes a strong financial ecosystem and hosts major MSP and Hyperscaler clients.
Cloud region ready: High capacity and city-near location makes campus ideal for MSP, CSP, and Hyperscale deployments.
STACK data centers are built for maximum scalability, sustainability, and security.

OPTIONS AVAILABLE

**Built to scale.**
Our HYPERSTACK build-to-suit option gives you total flexibility and control. Choose our purpose-built Basis of Design as a starting point, or work with the STACK team to develop a customized solution for your company to grow as fast as you need.

**A flexible foundation.**
POWERSTACK powered shell solutions are customizable base buildings designed for rapid deployments of right-sized capacity on demand. They’re fibre-provisioned, fit-out ready, and available fast.
OSL03A

CAPACITY
White Space
- 4,800 SQM of IT housing space
IT Load
- 8 MW
Deployments
- POWERSTACK™: Immediately available shell capacity
- HYPERSTACK™: Build-To-Suit

COOLING & EFFICIENCY
Cooling
- Each 2,400 SQM building is supported by N+1 redundant 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
Density
- A1-1/2/3 = 2 kW/SQM
- A2-1 = 2 kW/SQM
- A2-2/3 = 3 kW/SQM
Electrical
- N+1 Configuration

SAFETY & SECURITY
Security
- 24/7 Technical shift presence in building
- On-site 24/7 security personnel
- 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
Fire Protection
- Hypoxic fire prevention or optional NOVEC gas release systems
- High grade very early smoke detection apparatus in data halls
- Monitored automatic smoke detection throughout

POWER & RELIABILITY
Utility Service
- N+N 24 MW high voltage supplies to the site
Electrical Redundancy (Generators/UPS)
- UPS and power distribution equipment located in a central plant area, minimizing transmission loss
- Containerized LV generators are located parallel to the main building configuration in N+1 configuration with individual fuel storage belly tanks
- Each building is supported by five 2.5 MVA continuous rated diesel generators
- A separate landlords generator serves the building
- Scalable UPS to a maximum of 2 MVA/1,000 SQM providing “diverse” N+N power supply systems to customer modules
- N+N electrical supplies to mechanical equipment
Fuel Storage
- Built with 48hrs of fuel reserves

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 2,500 kg capacity goods service lift
- The site is located above the 1:1000 year flood event

CONNECTIVITY
Diversity
- 2 Meet-Me-Rooms with diverse fibre entrances in each building
Carrier Availability
- Carrier neutral
Fibre Infrastructure
- Provision of diverse underground fibre entry points
- 12 x 100 mm fibre ducts for access to two secure carrier connection rooms in each building

AMENITIES
Work Space
- Conference room on request
- Complimentary WiFi
Storage
- Unpacking room
Client Conveniences
- On-site parking
- Customer lab and staging area

CERTIFICATIONS SUPPORTED
ISO Compliance
- ISO 9001: 2015 Quality Management
- ISO 14001: 2015 Quality Management Environmental
- ISO 27001: 2013 Information Security Management System
- ISAE 3402/SOC 1 Report
Other Certificates
- LOS Energy AS 100% Renewable Energy Guarantee
- Payment Card Industry Data Security Standard (PCI/DSS)
- Combined SOC 1 and ISAE 3402 Type II
OSLO3 CAMPUS - Oslo, Norway

OSLO3B & OSLO3C

Identical data centers
CAPACITY (per facility)

White Space
- 900 SQM

IT Load
- 3 MW

Deployments
- POWERSTACK™: Immediately available shell capacity
- HYPERSTACK™: Build-To-Suit

COOLING & EFFICIENCY

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

Density
- 3 kW/SQM

Electrical
- N+1 Configuration

SAFETY & SECURITY

Security
- 24/7 Technical shift presence in building
- On-site 24/7 security personnel
- 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

Fire Protection
- NOVEC gas release systems
- High grade very early smoke detection apparatus in data halls and power pods
- Monitored automatic smoke detection throughout

POWER & RELIABILITY

Utility Service
- N+N 24 MW high voltage supplies to the site

Electrical Redundancy (Generators/UPS)
- The buildings are supported by six 2.5 MVA 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 24 MW 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

Fuel Storage
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