



Oslo, Norway

# OSLO3 CAMPUS

CAMPUS CAPACITY

**45+<sup>MW</sup>**

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CAMPUS SIZE

**56,000<sup>SQM</sup>**

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The world runs on data. Data runs on STACK. | [sales-nordics@stackinfra.com](mailto:sales-nordics@stackinfra.com)

## Capitalize on Nordic Climate for Data Center Efficiency

STACK OSLO3 campus, on a plot of 56,000m<sup>2</sup> powered by N+N 24MW supplies from 100% renewable energy sources, is close to Oslo city. It is high-capacity and offers good short and long-term scaling opportunities, with 50MW available at various stages of development. The campus currently features three operational data centers (OSL 03-05) following our modular design principles.

We are in the process of designing another 6MW, dual hall data center on the campus to allow for growth at this popular location. In addition, there are further expansion opportunities for two buildings with 2x4MW each.

The latest facilities (OSL 04 & 05) 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.

**Right-Sized Capacity:** Choose from a POWERSTACK or HYPERSTACK deployment for maximum flexibility and control.

**Population Density:** OSLO3 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**

# HYPER STACK

BUILD-TO-SUIT

**Built to scale.**

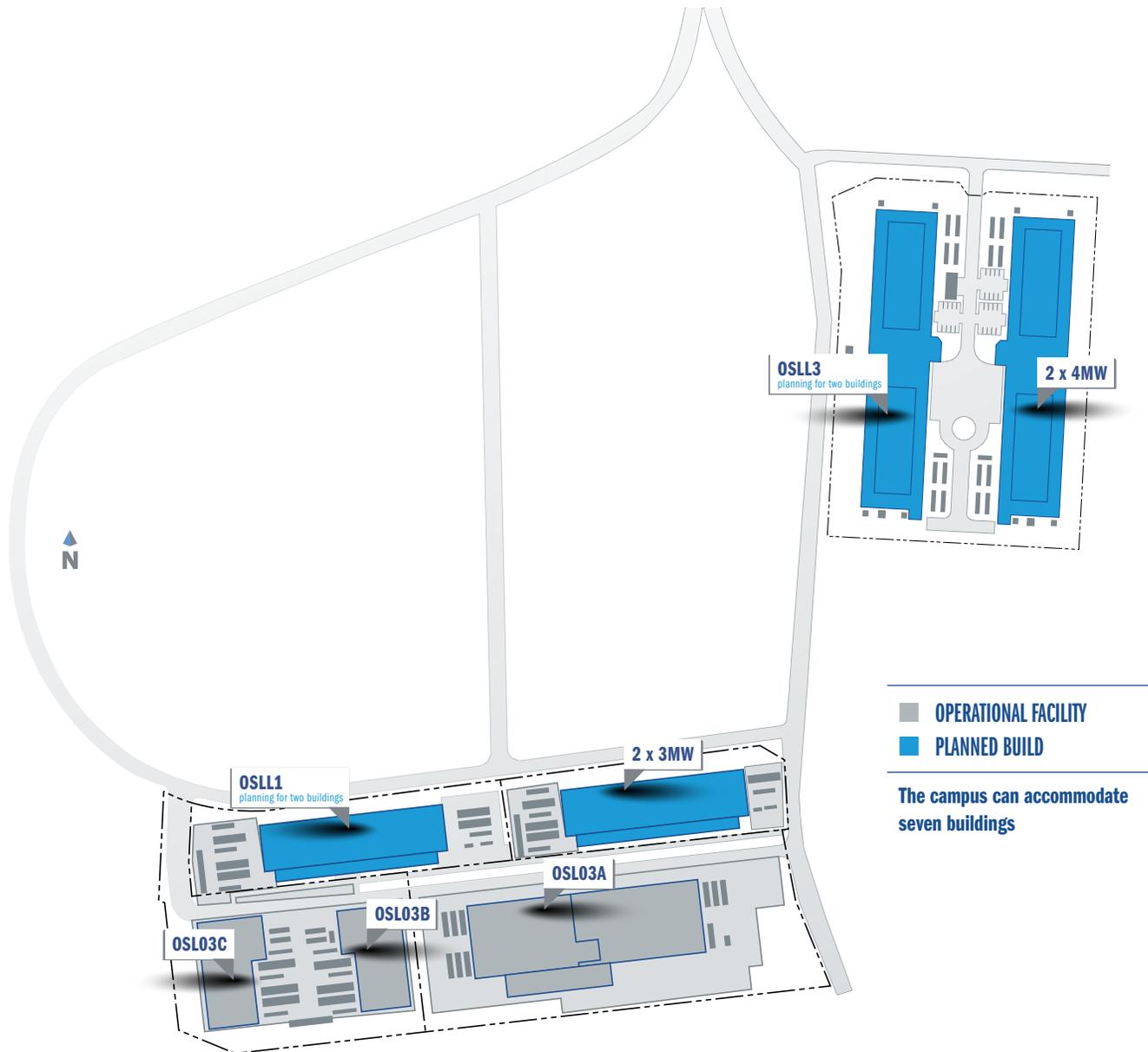
Our HYPERSTACK build-to-suit option gives you total flexibility and control. Choose our purpose-built Basis of Design as a starting point, or work with the STACK team to develop a customized solution for your company to grow as fast as you need.

# POWER STACK

POWERED SHELL

**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.



- OPERATIONAL FACILITY
- PLANNED BUILD

**The campus can accommodate seven buildings**

# OSLO3A

## CAPACITY

### Facility Size

- 4,200m<sup>2</sup> of IT housing space

### Total Capacity

- 9.8 MVA increasable to 12.6MVA

### Deployments

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

## COOLING & EFFICIENCY

### Cooling

- Each 2,100m<sup>2</sup> 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/m<sup>2</sup>
- A2-1 = 2kW/m<sup>2</sup>
- A2-2/3 = 3kW/m<sup>2</sup>

### 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 24MW 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 2.5MVA 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

### 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 2,500kg 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 100mm fibre ducts for access to two secure carrier connection rooms in each building

## AMENITIES

### Work Space

- Conference room on request
- Complimentary WiFi
- Office space on request

### 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
- ISO 45001: 2018 Occupational Health & Safety Management
- 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

# OSLO3C & OSLO3B

## Identical data centers

### CAPACITY

#### Facility Size

- 2 x 881m<sup>2</sup>

#### Total Capacity

- 2 x 3MW
- Design PUE 1.12
- Resilience 99.999

#### 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

- 3kW/m<sup>2</sup>

### 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 24MW high voltage supplies to the site

### Electrical Redundancy (Generators / UPS)

- 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 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

### Fuel Storage

- Built with 48hrs of fuel reserves

## Construction

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