Oslo, Norway

OSLO1

CAPACITY
7.5MW

FACILITY SIZE
5,100SQM

Fuel Scalable Growth and Community Warmth in Oslo

The OSL01 data center is located in the Økern district of Oslo, and was originally designed and built in 1981 for the Norwegian Government as a data center and communications hub.

The edge data center provides more than 5,100m² of white technical space and is constructed of a concrete frame arranged over four levels with all the necessary data center requirements. It has a rich ecosystem, with 25+ carriers and several direct connects, including Microsoft Azure and Amazon Web Services (AWS).
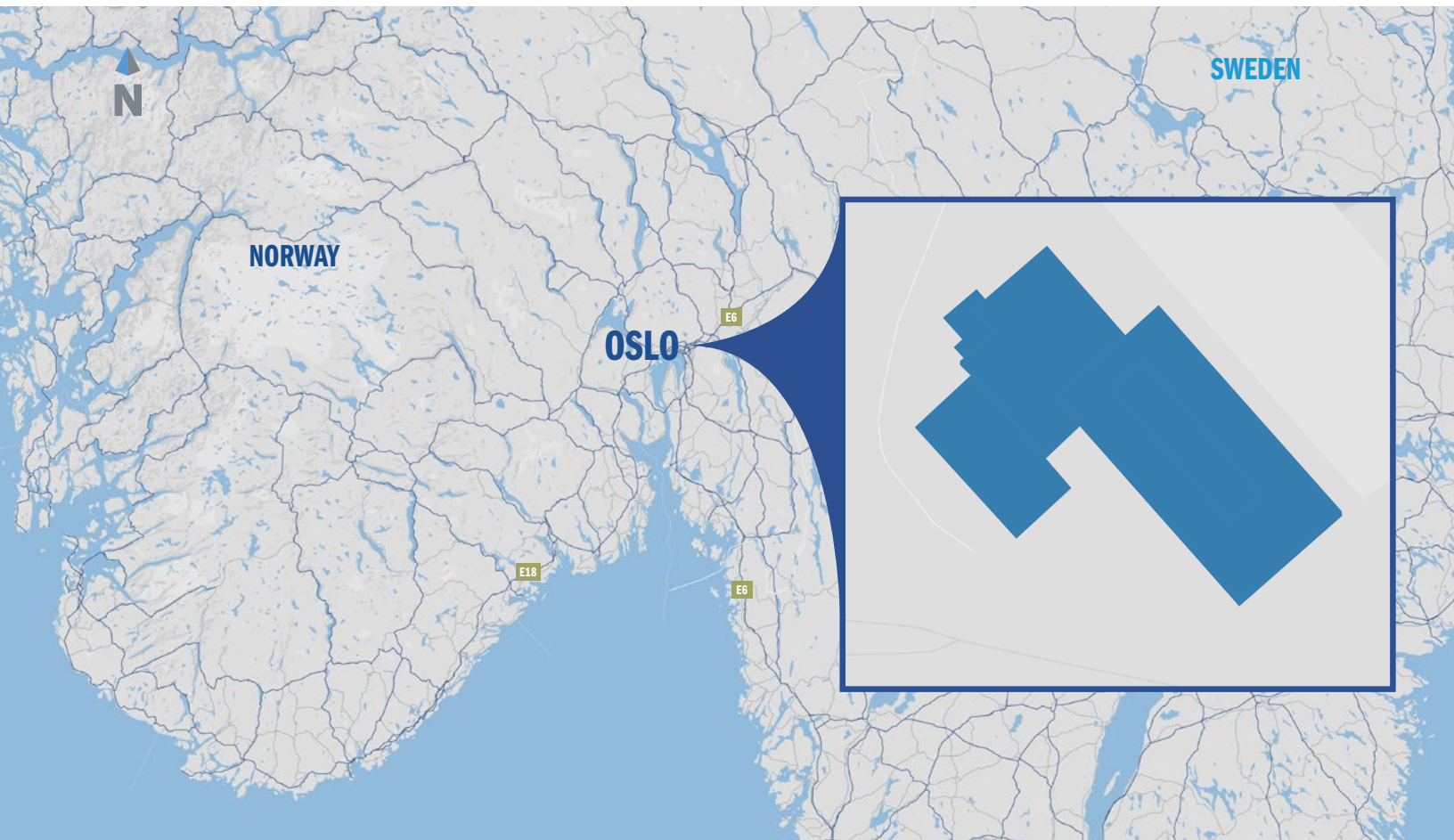
Heat generated by the many servers at our OSL01 site is re-purposed to heat homes in the area. Using specially designed heat exchangers we are able to re-use the data center waste heat and feed it into municipal district heating systems to warm residential dwellings across the city. The energy provided is comparable to the winter heating needs of about 5,000 homes.

Right-Sized Capacity: Choose from a POWERSTACK or READYSTACK deployment for maximum control or immediate needs.
Population Density: Ulven is located in Oslo city center. Oslo area is home to approximately 1.5 million of Norway's 5.4 million inhabitants.
Re-purposing Heat: Specially-designed heat exchangers send the data center waste heat back into municipal heating systems to warm homes in the local area.
Well connected: With its rich ecosystem of carriers, content and clouds, STACK Ulven is one of Norway's best connected data centers.

STACK
INFRASTRUCTURE

STACK data centers are built for maximum scalability, sustainability, and security.

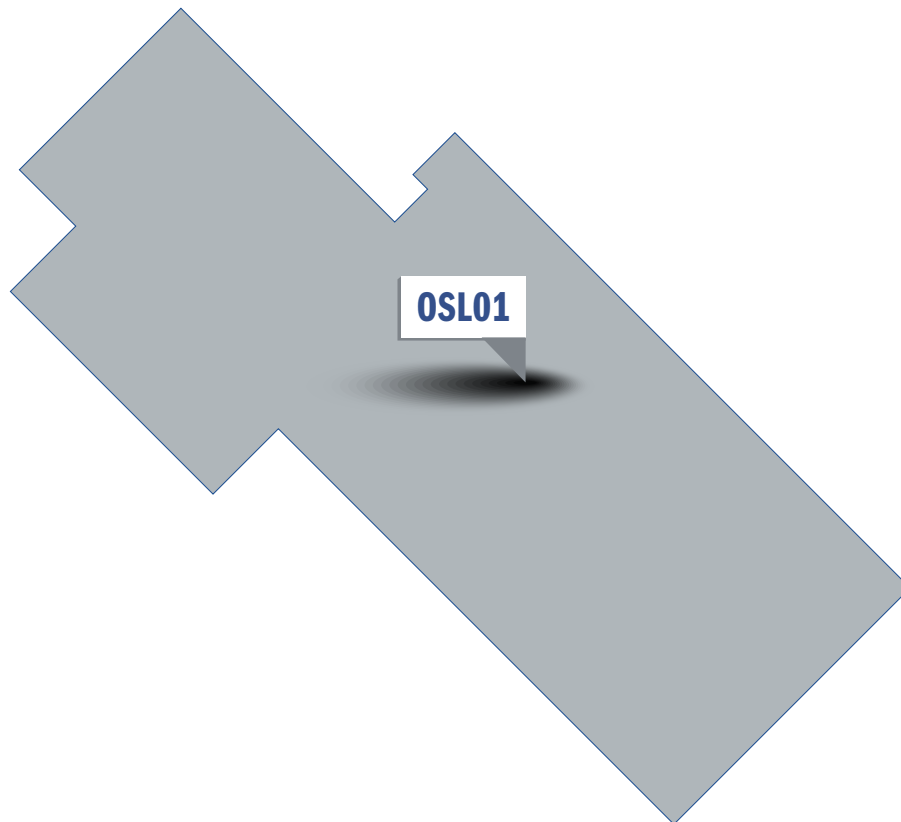## OPTIONS AVAILABLE

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.

READY STACK
COMMISSIONED CAPACITY

Plug in and go.
When you need capacity even faster, you need READYSTACK. These rack-ready data halls are purpose built for your immediate needs with pre-installed racks, connectivity and power. You bring the equipment. We've got everything else.

N

OSL01

STACK INFRASTRUCTURE

OSL01

CAPACITY
Facility Size
- 5,100m²

Total Capacity
- 7.5MW

Deployments
- READYSTACK™: RackReady ® data halls
- POWERSTACK™: Immediately available shell capacity

COOLING & EFFICIENCY
Cooling
- Primary cooling provided by chilled water systems in combination with standard mechanical cooling systems.
- Modern, efficient modular screw compressors with free cooling capabilities.
- 2N cooling service in whitespace as option
- Heat export to district heating provides extensive CSR as added value to our clients profile

Density
- High density deployments supported average 1.5kW per SQM

Electrical
- N+1 PDU Configuration

SAFETY & SECURITY
Security
- 24/7/365 security presence
- Multilayer security systems, multilayer zoning, multilayer building
- Advanced monitoring and surveillance systems
- Man trap intruder detection and card access systems throughout
- High grade 360° boundary fencing with secure access control

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

POWER & RELIABILITY
Utility Service
- 6.8MW increasable to 13.6MW

Electrical Redundancy (Generators / UPS)
- 2N and N+1 services available
- UPS with Li-ion battery technology provides class 1 performance (IEC62043-3) for all critical loads
- Generator back up for all loads , plus more than 14MVA installed capacity

Fuel Storage
- 75.000 LTR

PDU
- 2N PDU distribution

BMS Controls
- Siemens design CC

CONSTRUCTION
- Comprises 5,100m² of IT housing space providing both retail and wholesale modules
- Master plan caters for conditioned module, office, disaster recovery and storage space

CONNECTIVITY
Diversity
- Provision of three diverse fibre entry points with diverse Meet-Me-Rooms

Carrier Availability
- 25+ Carriers

Fibre Infrastructure
- Carrier neutral host to multiple independent fibre carriers

AMENITIES
Work Space
- Office space is available on request
- Complimentary WiFi
- Shared and dedicated office space

Storage
- Limited shared and private storage

Client Conveniences
- Showers
- On-site parking & EV charging

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

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