

Energy-efficient edge data center in Norway



Article Overview

Norway hosts several energy-efficient edge and AI-ready data centers powered by 100% renewable energy, leveraging natural cooling and advanced infrastructure for sustainable, low-latency digital services.

Edge Datacenters Norway (EDGEDN)

EDGEDN operates distributed micro edge data centers in Mid- and Northern Norway, designed to deliver fast, secure, and energy-efficient digital and AI services close to users under Norwegian jurisdiction . These facilities use 100% renewable energy and benefit from Norway's cold climate, which minimizes cooling requirements and reduces operational costs. EDGEDN offers Tier III or higher security, including concrete containers resistant to intrusion, and supports continuous backup and high availability even during power outages. The company also provides managed cloud services tailored to customer needs, ensuring compliance with Norwegian law .

Skygard Data Centre, Oslo

Skygard is one of Norway's most energy-efficient urban data centers, located in Hovinbyen, Oslo . It integrates renewable energy sources and utilizes excess heat for district heating, contributing to a circular energy design. Moving from older facilities to Skygard can reduce power requirements by 50-70%, while providing colocation services for multiple tenants. The project also emphasizes urban greening and minimal environmental impact, serving as a pilot for future sustainable data centers...

Article Content

Sustainable data center solutions ABB powers Norway's Lefdal Mine

ABB powers Norway's Lefdal Mine Datacenter Data centers provide the critical infrastructure for our increasingly connected world,

Glomfjord AI Data Centre | Nscale

Our Glomfjord AI data center, located in northern Norway, is powered by 100% renewable energy and uses the latest advancements

Norwegian data centres

The Security Act and appurtenant regulations lay down requirements for certain types of data to be stored and processed in Norway.

Vertiv to Deliver AI-Ready Infrastructure Solutions for Polar's Cutting ...

Vertiv, (NYSE: VRT) a global provider of critical digital infrastructure and continuity solutions, today announced that it

Polar Announces new AI-Ready Data Center Powered by 100

Polar develops and operates sustainable, high-performance data centers optimized for AI and high-density computing workloads.

DataEnergy

We are developing the next generation of high-performance, AI-optimized data centers in the Nordics. We are building critical digital

Lefdal Mine

Lefdal Mine Data Centers offers one of the most cost effective, secure, flexible, and green data center solutions in Europe. Our

Data Center in Norway

Why locate your data center in Norway? Renewable power, Europe's lowest power price, stable society, competent workforce, good

Polar announces new AI-ready data center powered by 100 percent ...

Polar today announced the construction of a new multi-phase data center in Tørdal, Norway. It will be purpose-built for

ABB solutions power Europe's greenest data center in Norway

Energy & Sustainability Water efficiency, renewable power, carbon capture, and more Data Center Cooling Air, liquid,

The data centre industry

The increased interest in Norway as a data centre location stems from Norway's favourable climate conditions, with naturally low

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://gmarkconstruction.co.za>

Email: sales@gmarkconstruction.co.za

Phone: +31-6-15-38-72-94

Address: Herengracht 456, 1017 BS Amsterdam, Netherlands

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