



Nokia and atNorth
Redefine Data Center
Infrastructure for an
AI-Driven Future

NOKIA +  **atnorth**

Inside Nokia's journey with atNorth to build scalable, energy-efficient data centers for tomorrow's workloads

[Nokia](#) is a multinational data networking and leading telecommunications company, and the world's third-largest telecoms equipment manufacturer. The company is headquartered in Finland and has long utilized Finnish data centers, leveraging the country's cool climate and renewable energy sources to ensure the sustainability of its workloads. In fact, the business was ranked as the [most sustainable telecoms](#) and communications company in the world last year.

As advancements in artificial intelligence (AI) continue to redefine the future of innovation, the race for high density compute, power efficiency, and network connectivity has never been greater. AI workloads are more compute-intensive, with larger data volumes that require faster processing than traditional applications. These workloads must be connected by high-speed, low-latency, and reliable networks to meet high-compute tasks like model training and inference.

Nokia plays a pivotal role at [this intersection of cloud technology and AI](#), where its strategic focus on AI networking and automation alongside its commitment to ensuring sustainable business operations is critical. Nokia has ambitious plans to pave the way for the next generation of AI infrastructure, bringing GPUaaS and AI-optimized cloud service together with an energy efficient architecture that helps keep operational costs and environmental impact minimal.



Longstanding history creates new opportunities

This ambition, coupled with an ever-evolving data center landscape, created a series of new infrastructure challenges for Nokia. Its high-density workloads demanded a partner capable of delivering robust capacity suitable for supporting more than 130kw per rack, at speed and without compromising on environmental sustainability. To meet these high-performance demands and to continue innovating at speed, Nokia needed a reliable data center provider that could balance its power and cooling requirements with a commitment to energy efficiency and scalability.

Nokia and atNorth have a long-standing relationship that originated with atNorth deploying Nokia's data center switches to deliver high speed connectivity across its sites in Iceland and Sweden. This, together with a shared dedication to sustainability and IT excellence, led to [atNorth's FIN02 data center](#) being an ideal choice to house its infrastructure in Espoo, Finland.



Location is key to meeting Nokia's needs

atNorth's FIN02 site was perfectly suited for Nokia's location, benefitting from close proximity and an abundance of renewable energy supplied via the country's robust power infrastructure. Finland also boasts excellent connectivity, low latency networks and the availability of high-density capacity – all of which are essential to support network performance.

"atNorth was able to meet our complex technical requirements at speed without compromising on our sustainability goals," said **Marika Mentula, Vice President for Network Infrastructure North Europe at Nokia**. "By helping to support our cloud infrastructure at atNorth's FIN02 data center, we can deliver high-performance infrastructure that supports our most demanding applications. And we can do this while still upholding the highest environmental standards and sustainable operations which have become core to Nokia's business."






Fitted with the latest Direct Liquid Cooling technology, FIN02 is highly energy efficient. In partnership with Kesko Corporation, heat reuse capabilities enable the data center's waste heat to be recycled as central heating for a neighboring branch of its retail store. This further reduces the

carbon footprint of its operations and essentially allows Nokia to in turn, decarbonize its workloads.

These factors have enabled Nokia to deliver its new infrastructure at speed whilst allowing for future scalability in line with its sustainability goals. atNorth's modular approach to data center design has been instrumental in this process, providing a scalable framework for Nokia to expand capacity quickly and efficiently without downtime or performance issues. The initial 2MW agreement will also give a pathway to expand up to 10MW to support Nokia's high density workloads over a 10-year timeframe and beyond.

"Nokia has been a strategic fit for atNorth – not just a client, but a long-term partner for sustainable growth," commented **Anders Fryxell, Chief Sales Officer, atNorth**. "Their advanced infrastructure requirements and strong commitment to environmental responsibility align closely with our own values. Our modular data center design has allowed Nokia to future proof infrastructure while keeping sustainability and operational resilience at the core of the company's expansion."

Why atNorth's FIN02 data center is the ideal fit for Nokia:

-  **Strategic Nordic Location**
Access to abundant renewable energy, supported by a robust and resilient power infrastructure.
-  **Exceptional Connectivity**
Low-latency ultra reliable networks and high-density capacity ensure optimal performance for their AI-intensive workloads enabling Nokia to easily consolidate its data centers.
-  **Advanced Cooling Technology**
Equipped with a combination of air cooling and state-of-the-art Direct Liquid Cooling for maximum energy efficiency to meet Nokia's future requirements with higher density solutions.
-  **Lower Carbon Footprint**
The site's innovative circular economy practices directly support Nokia's ability to decarbonize its workloads, drive down its carbon footprint within its IT environment and overall meet sustainability goals.
-  **Sustainable Heat Reuse**
On-site heat capture technology recycles waste heat as central heating for a nearby Kesko Corporation facility and is a good example of how atNorth and Nokia can optimize energy and support the wider community.

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Anders Fryxell

Chief Sales Officer, atNorth

Building digital infrastructure for the future

With its combination of sustainable design, advanced technology, and strategic location, atNorth's FIN02 facility offered more than just technical capability, it represented a future-ready approach to data center infrastructure. As AI, machine learning, and high-density workloads continue to reshape operational demands, this partnership illustrates the importance of flexibility and long-term thinking in data center strategy.

"As we continue to push toward more sustainable operations, particularly the context of increasingly high-density compute, it's crucial to partner with data center providers that think beyond infrastructure," continued Mentula. "atNorth's modular design enables us to adapt quickly as technology evolves, whether that's changes in hardware, rack configuration, or cooling systems. We've found that atNorth's ecosystem mindset truly sets them apart. They're not just building data centers; they're contributing to resilient local infrastructure and supporting broader environmental and economic goals. That alignment is key for us as we scale responsibly."

How true partnership represents long-term value

The partnership between Nokia and atNorth continues to evolve, grounded in shared values for sustainability, innovation, and next generation infrastructure. Looking to the future, there are many opportunities to deepen this longstanding relationship, as Nokia scales its operations and adapts to the demands of an AI-driven world. With atNorth's ongoing investment in designing and building future-ready data centers, both organisations see exciting opportunities to explore new areas of collaboration that support next-generation workloads and long-term sustainability goals.



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Marika Mentula

Vice President for Network Infrastructure North Europe Nokia

About atNorth

atNorth is the leading Nordic data center company that offers cost-effective, scalable high-density colocation and built-to-suit services trusted by industry-leading organizations. With sustainability at its core, atNorth's data centers run on renewable energy resources and support circular economy principles.

All atNorth sites leverage innovative design, power efficiency, and intelligent operations to provide long-term infrastructure and flexible colocation deployments. atNorth is headquartered in Reykjavik, Iceland and operates eight data centers in strategic locations across the Nordics, as well as a ninth under construction in Kouvola, Finland, a tenth site in Ølgod, Denmark and an eleventh campus in Stockholm, Sweden. The business has also announced a new mega-site development in the Sollefteå Municipality in Sweden.

Vision

More compute for a better world

Founded on sustainability and innovation, atNorth powers the world's most demanding workloads. We are the leading Nordic data center provider and the decarbonization partner of choice.

Mission

We are a disruptive force pushing boundaries to bring unmatched efficiency and performance to our customers.

Sustainability and social responsibility are at the core of what we do.

[atNorth.com](https://atnorth.com)

