

A photograph of the Aurora Borealis (Northern Lights) in shades of green and blue, dancing over a dark, snowy landscape with mountains in the distance. The sky is dark, and the lights create a vibrant, ethereal glow.

Building the Green Standard: atNorth's Heat-Reuse Mega Campus

Jóhann Thor Jónsson

reflection on my last speaking event in Denmark

I commented in a panel that

" It was high time for all the data center operators to put increased focus on the opportunities in the massive amount of heat generated by our operations and start to find ways to harvest the waste heat in a sustainable and effective manner."

Now is the time to follow up on these comments

- atNorth's **DEN02** will be of Europe's largest data centers designed from the offset to re-use waste heat
- Substantial effect on local community through employment generation
- Massive impact on Co2 reduction in the logistic chain for imported vegetables
- New baseline for large scale data center deployments





Building a Nordic decarbonizing IT platform



who are we?

The leading pan Nordic operator of data center infrastructure

- 3 operational sites in Iceland
- 2 operational sites in Finland, 2 under construction
- 2 sites in Sweden, 1 under development
- 2 new sites in Denmark under development
- Expansion options in all Nordic regions
- Operational since 2009
- Owned by Partners Group since 2022

More compute for a better world



ICE01



ICE02



ICE03



FIN01



FIN02



FIN03



FIN04



SWE01



SWE02



SWE03



DEN01



DEN02



Colocation Provider of the Year



Digital Infrastructure Project of the Year



Top 60 Sustainability start-ups



Best Location - Iceland

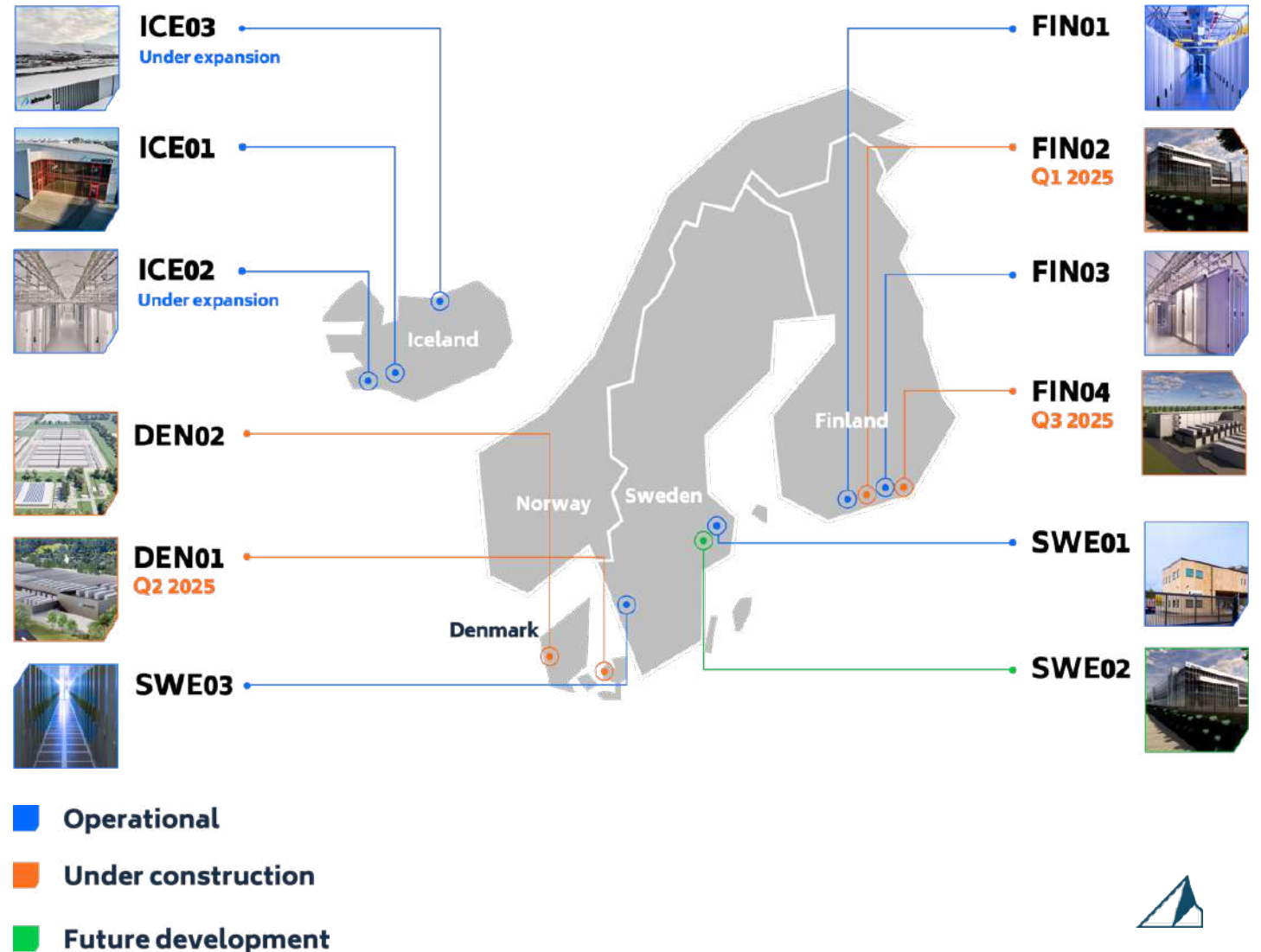


Best use of HPC in Financial Services



why atNorth loves the Nordics

- Energy from **renewable** sources
- Ample **connectivity**
- **Sustainable** initiatives
- Circular economy principles
- Europe's **lowest energy price**
- Ideal climate for free **natural cooling**
- Ease of doing business
- Experienced workforce
- Low risk region
- Solid power grid
- Stable political economies



our flexible offering

We are here to scale alongside our customers



High-density colocation

Racks, cages/pods and private data halls in our Nordic data centers, designed for high-density colocation that deliver performance and efficiency. Flexibility to host any workload at any scale.



Build-to-suit

Combining class-leading, sustainable data centers and high-end, scalable data infrastructure. Positioned to support the next generation of high-end computing workloads



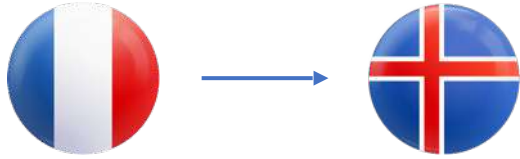
Compute HPCaaS platform

Market leading simulation platform tailored to HPC workloads. Enabled on bare metal hardware dedicated to you. Ready to use

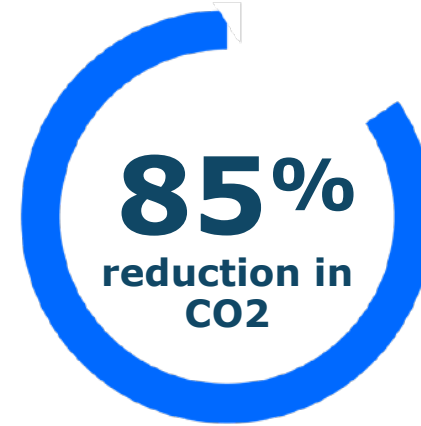


customer benefits

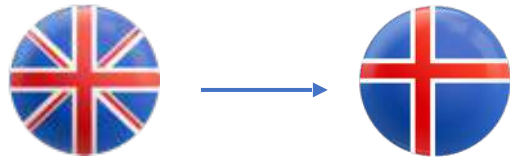
BNP Paribas CIB



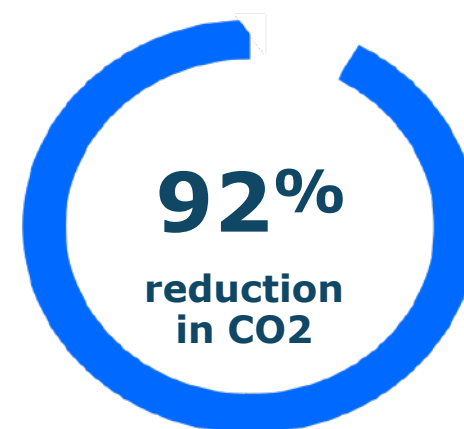
Moved from France to Iceland



Shearwater
Geo Services



Moved from UK to Iceland

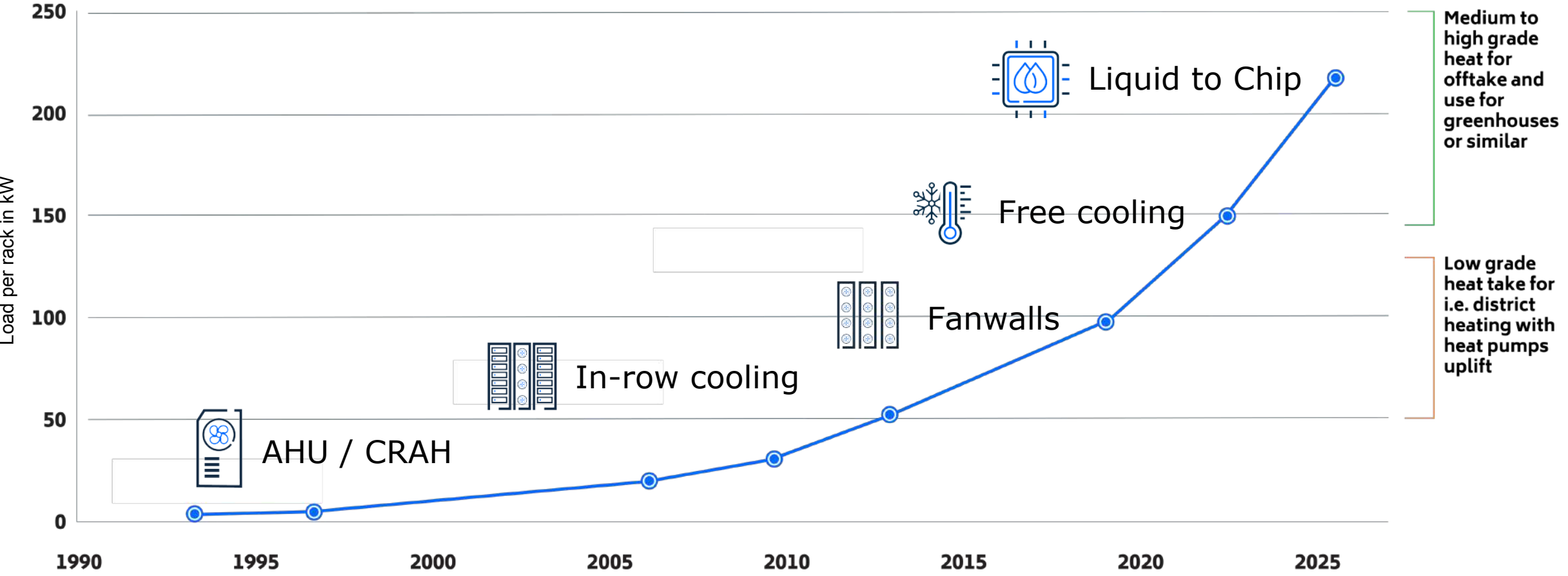




Data centers of the future



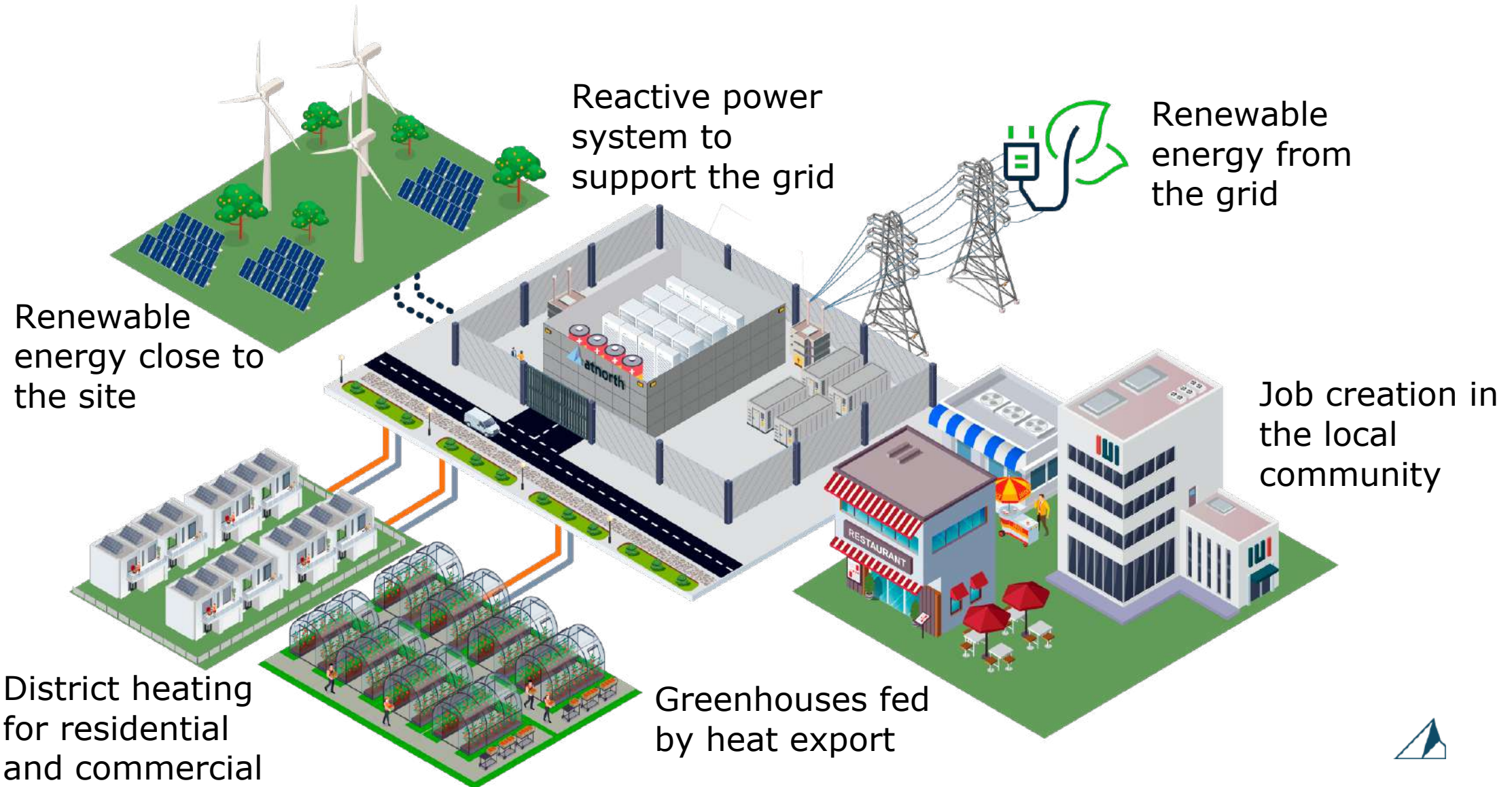
density and cooling evolution



AI workloads are the new demand drivers for most of the new capacity
Will probably represent the largest capital investment in infrastructure in modern times



DEN02 - ecosystem of the future



DEN02 – a blueprint for future datacenters

Campus size
hectares

174

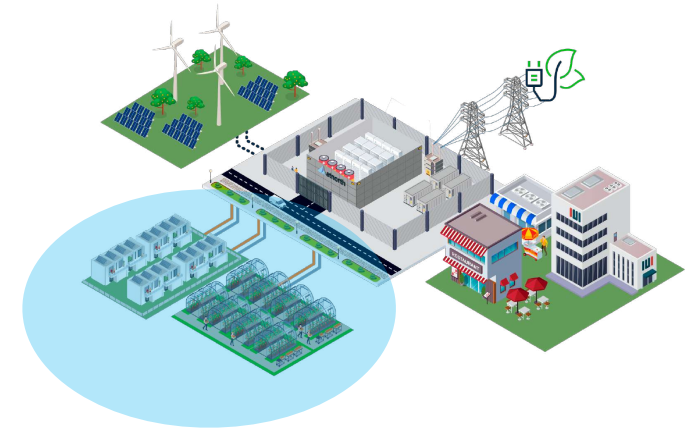
MW power capacity
(with path to power of
several hundred when
fully built)

250



sustainable usage of heat

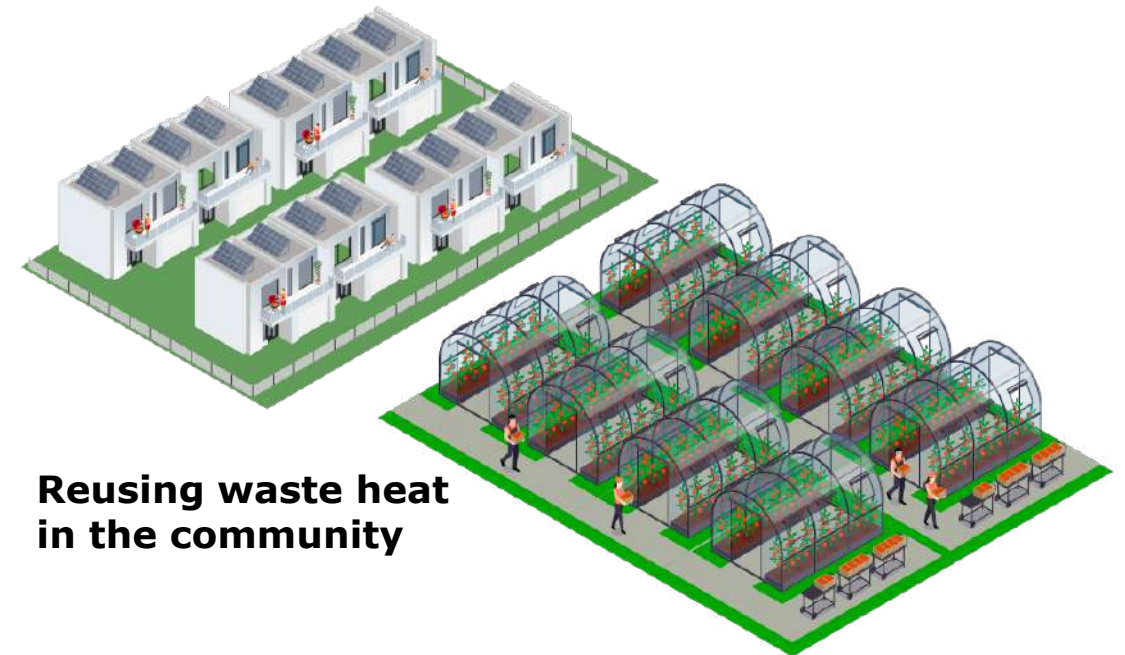
- DEN02 will focus on sustainable use of waste heat for both the local community and through new commercial and industrial initiatives
- Metropolitan areas traditionally see more appetite for classic district heating models as evident in our existing Metro DC's
- More rural locations call for new approach where we see industrial-scale opportunities (e.g., greenhouses, land-based fish farming and others).



atNorth's position

- Sustainable use of excess heat is key to future data center operations.
- atNorth will integrate heat reuse in future data center developments.

Our commitment to future generations is to find smart ways to continuously re-use the same electron throughout the entire process and reduce waste



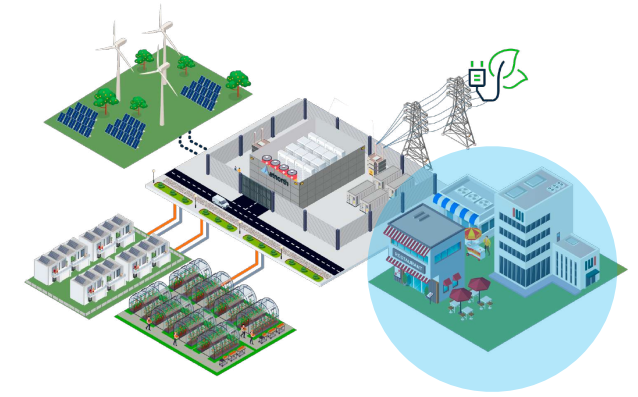
Reusing waste heat in the community



sustainable business

contributing to the surrounding community

- We prioritize local suppliers, contractors, and tradespeople.
- Push our international experts to collaborate with local teams.
- Focus on sourcing materials locally to reduce scope 3 carbon emissions.
- Experts educate and train at all locations.
- Sites serve as opportunities to inspire future data center professionals.
- Collaborate with schools, businesses, and policymakers to share industry knowledge.
- Support local social, growth and development initiatives.
- Example: ICE03 supports Akureyri's Technical University with tools and equipment.



Employment opportunities



DATACENTER JOBS

- Campus management
- People management
- Learning & development
- IT operations
- Mechanical engineers
- Electrical engineers
- Security contractors
- Building maintenance
- Critical environment

CONSTRUCTION JOBS

- Electricians
- Plumbers and pipefitters
- Carpenters
- Structural iron & steel
- Concrete workers
- Earth movers

And Beyond

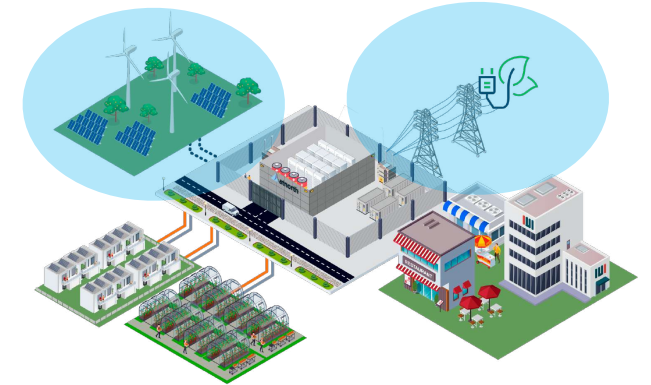
IT support services
Digital Infrastructure
Community services
Catering
Logistics
Hospitality



Sustainable power in the backyard

- Larger sites enable sustainable power production deployment locally
- **DEN02** in Varde will combine both local solar and wind energy for the data center.
- Grid support via Fast Frequency Reserve boosts the use of renewable energy (wind and solar).

- § Future data centers must offer grid support, not add to the problem.
- § Focus on smarter use of existing assets, not constant new builds.
- § Grid-interactive data centers with heat recovery solve environmental challenges.
- § Smart ways to allow for more solar and wind integration and production





thank you

sustainability strategy

Our Strategy outlines our responsibility to the environment, society and the economy

climate

Dependable in climate—first matters

Using energy from only renewable sources in all our operations is a key step to maintain low GHG emission and reduce overall carbon footprint.

circularity

Enabling a circular economy

Minimizing all waste is a critical initiative for atNorth as well as continuing to drive innovation and deploy circular economy principles.

community

Empowering the community

atNorth's mission is to build a sustainable business that contributes to the surrounding community.

integrity

Integrity in all we do

Sustainability and innovation are our guiding principles. We will continue to innovate, develop and create a future proof de-carbonizing platform.

