

The Next Generation Data Center

2021-10-14



We are a provider of fiber-based data communications and data centers in northern Europe. Our mission is clear: to turn visions into reality through digital development and connectivity that really affects people and companies.

We are 1600 employees in Denmark, Norway, Sweden, Finland and Germany.

We have a turnover of more than 500 million Euros.



Globalconnect Pan-Nordic – How is Anders Huovinen?

- I am Head of Data Centers, Nordic / Europe.
- Responsible for the Operational and the commercial in our product area Data Center / Colo.
- Sweden, Norway, Denmark, Germany.
- We have 17 Datacenter
- We are 32 people employed who run this business area.
- We have 10% of the total turnover in Colo, and is the second largest product area after DataCom in Globalconnect.

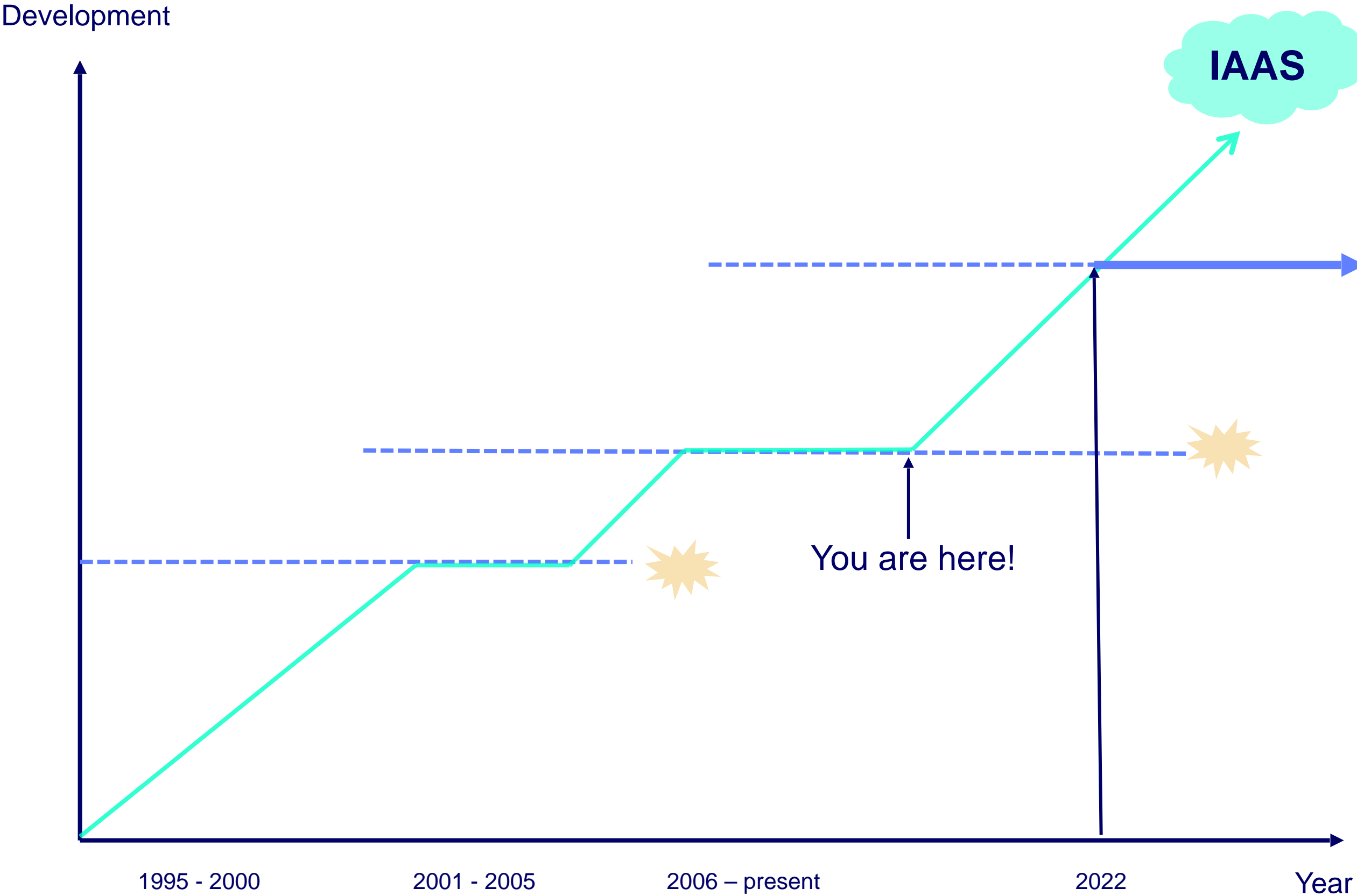
Here today but what about tomorrow?

Next Gen Data Center
High density, strong focus on sustainability and security.
(ISO, MSB, RC 4)

COLO Generation 2
TIER Classification, separation of cold and warm air, A+B Power and a higher security level

COLO Generation 1
The first true data centers. But they had no clear structure, low security and no environmental considerations

In the beginning
Servers were part of the office environment or were kept in a smaller storage area



GlobalConnect Next Gen. Colo

Our definition of Next Gen Data Centers



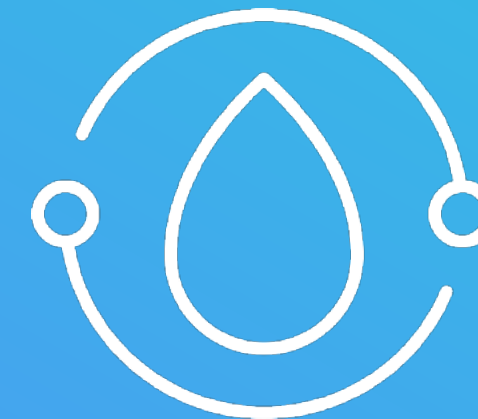
Capacity



Security



Transparency



Sustainability



Connectivity

Capacity



- Building of 6000 - 8000 sqm
- 9 -14 MW
- 24/7 access
- 600 + optional 600 racks
- Average 6kW / rack
- 20-30 kW+/rack



The Next Generation Data Center

- Flexibility & Capacity, concurrent maintainability, Tier 3 design.

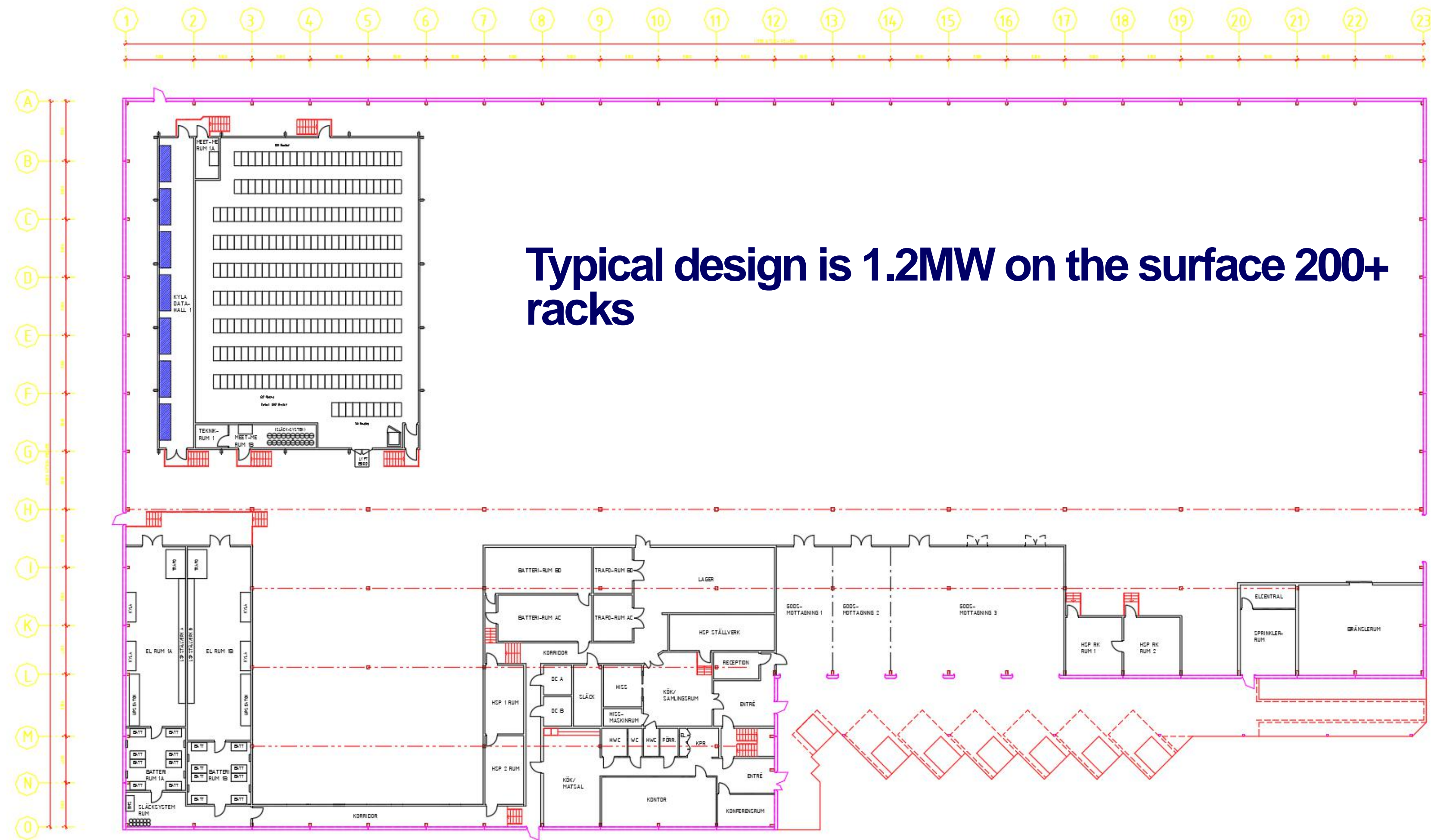


Our definition of Next Gen Data Centers

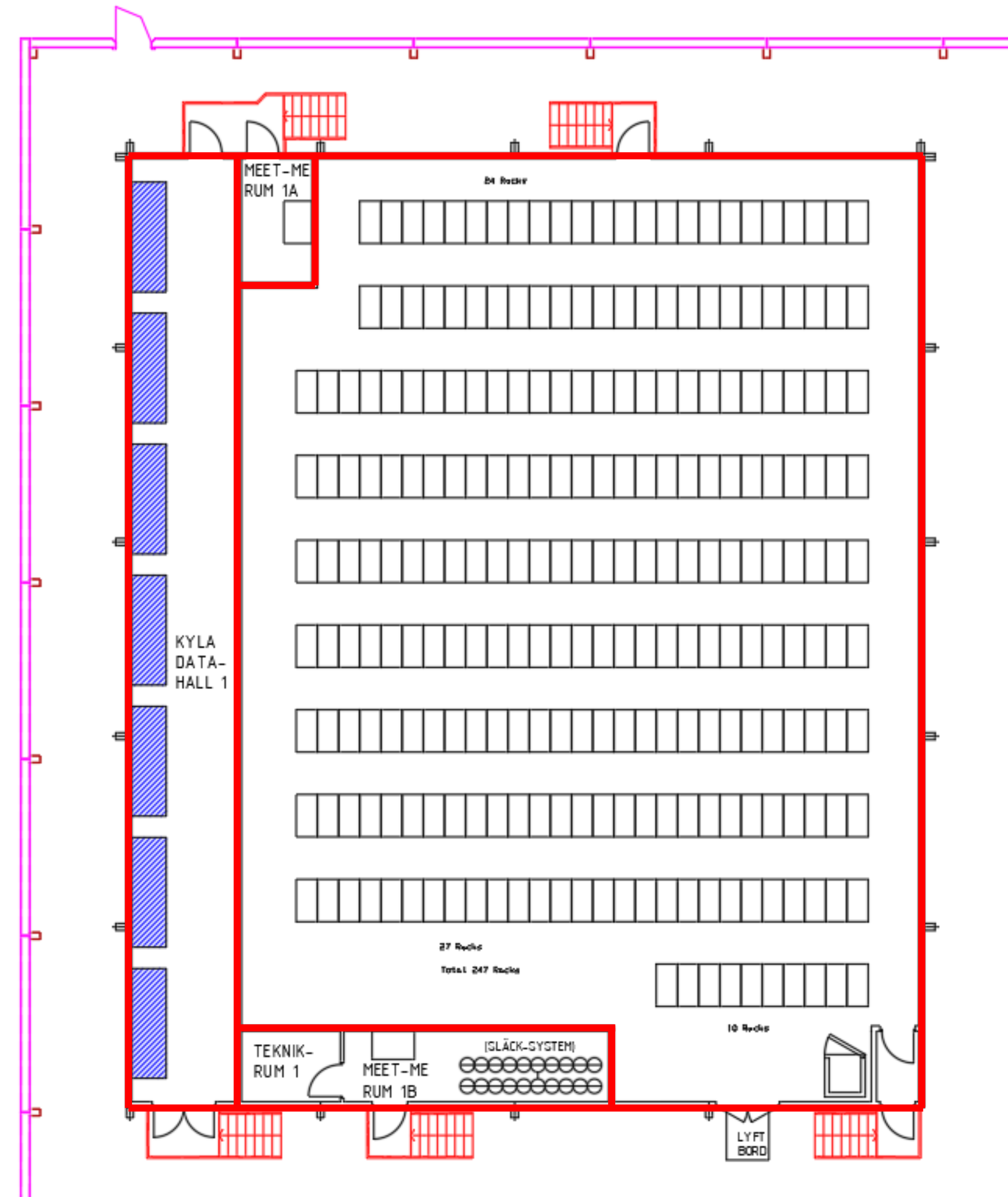


Security

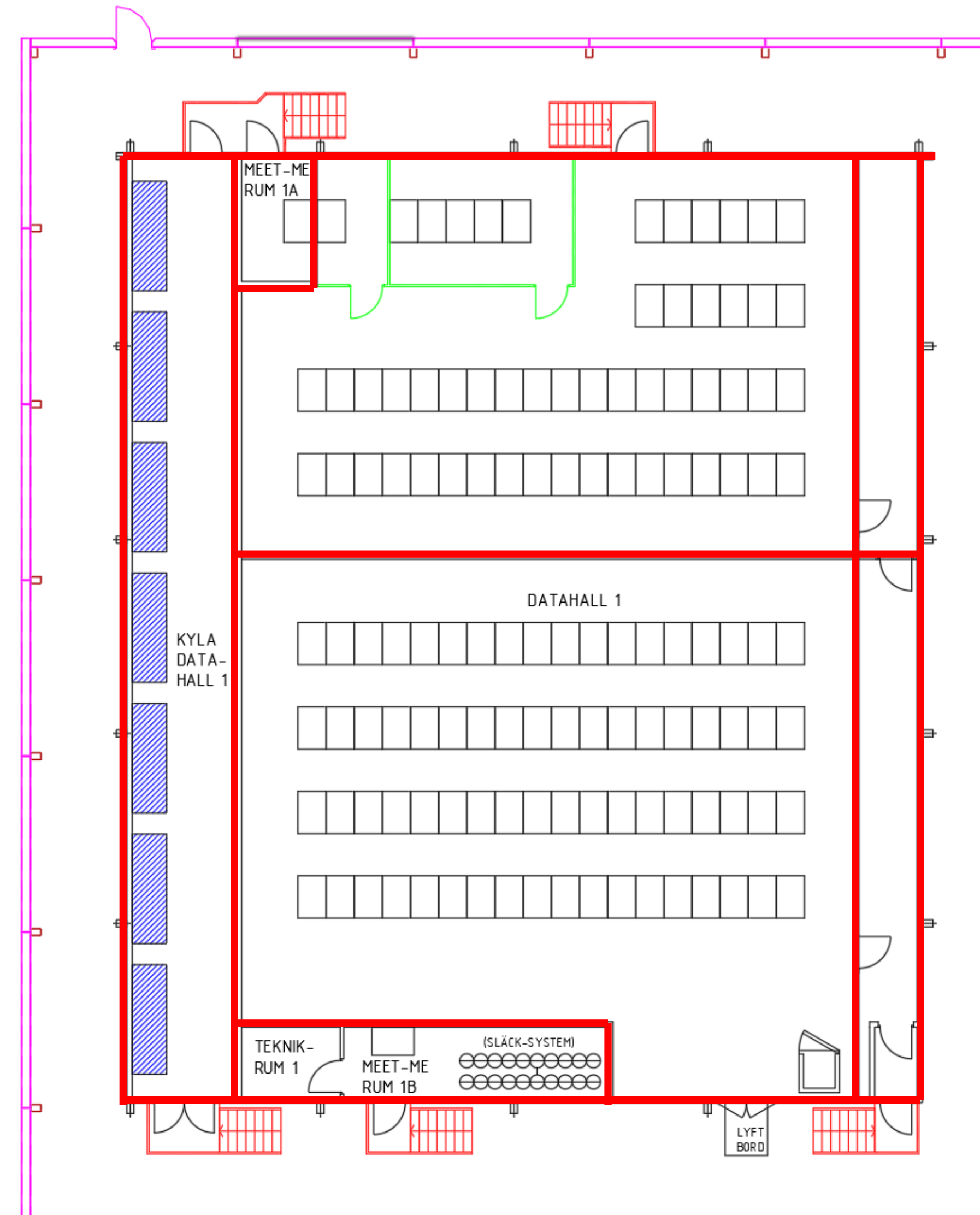
Physical security



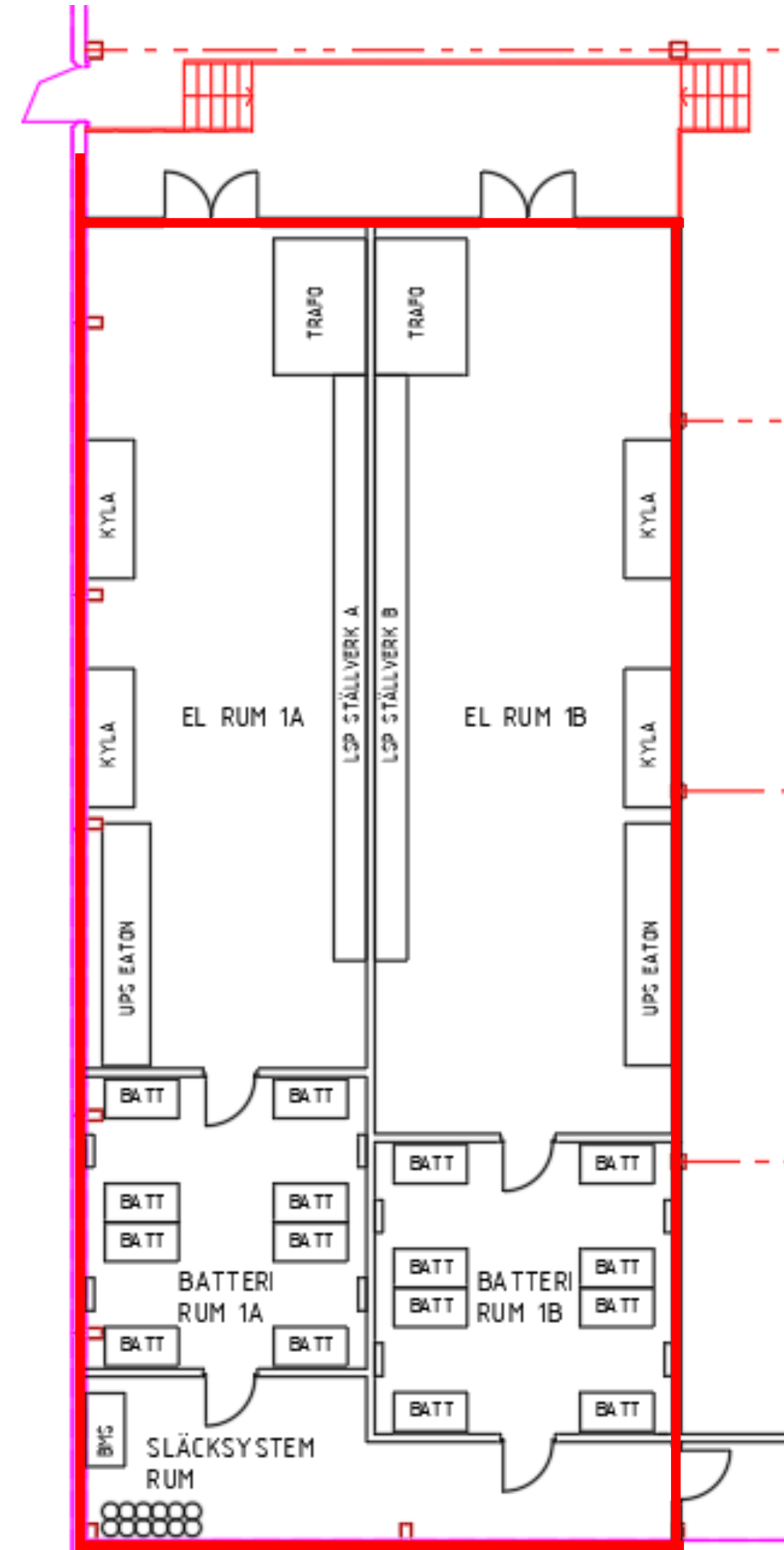
Physical security, IT- Area resistance class 4



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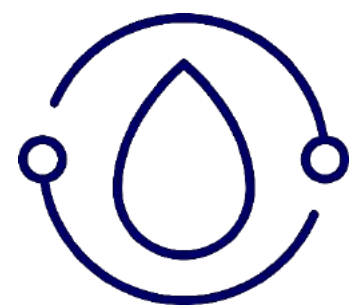
Physical security, Technical areas resistance class 4





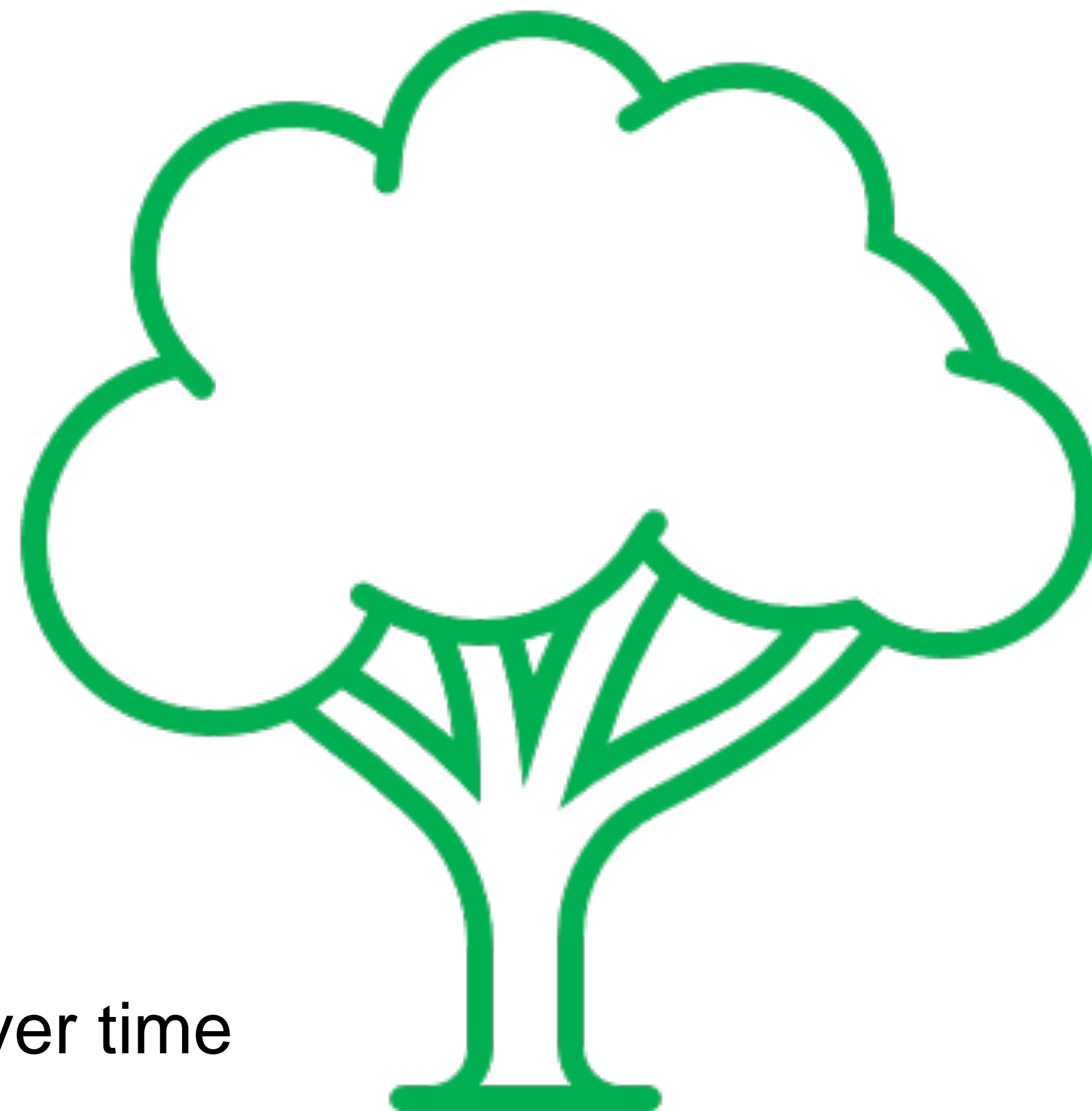
Transparency – see all, know all





Environment & Sustainability

- Reduced environmental impact through heat recycling.
Waste heat is recovered by the cooling system.
- ISO 14000
- 100 % renewable energy, hydroelectric , solar / wind.
- Energy efficient, PUE
- Long-term investment - building something that will last over time

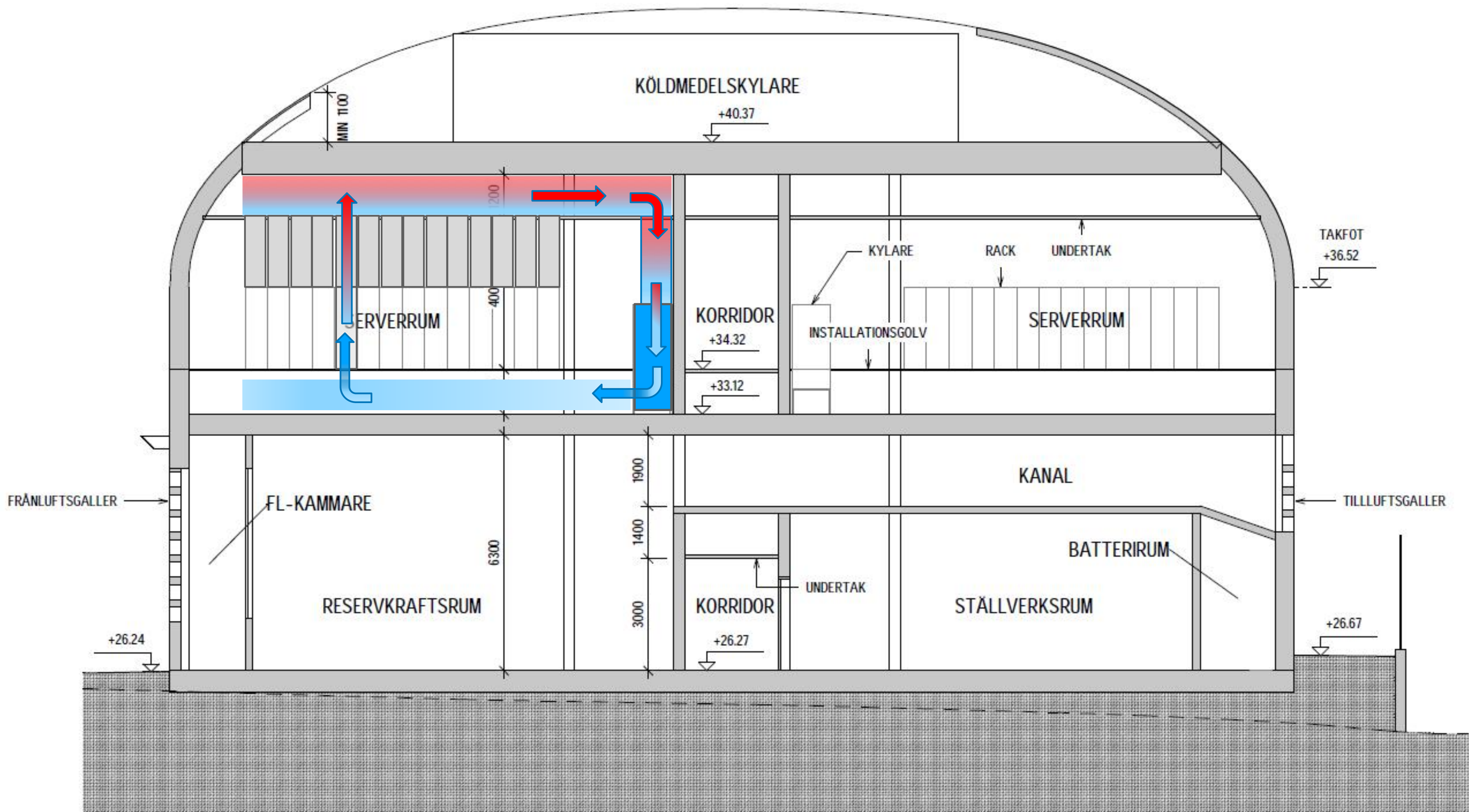


Efficient, redundant cooling solution

- Our effective cooling system gives you a redundant system with high efficiency.
- “Free cooling” means we use the outdoor climate to cool our data centers. It significantly reduces our carbon footprint compared to traditional solutions
- Connected to District heating system (warm up your neighbour)

New gen, Energy recycling





SEKTION B-B





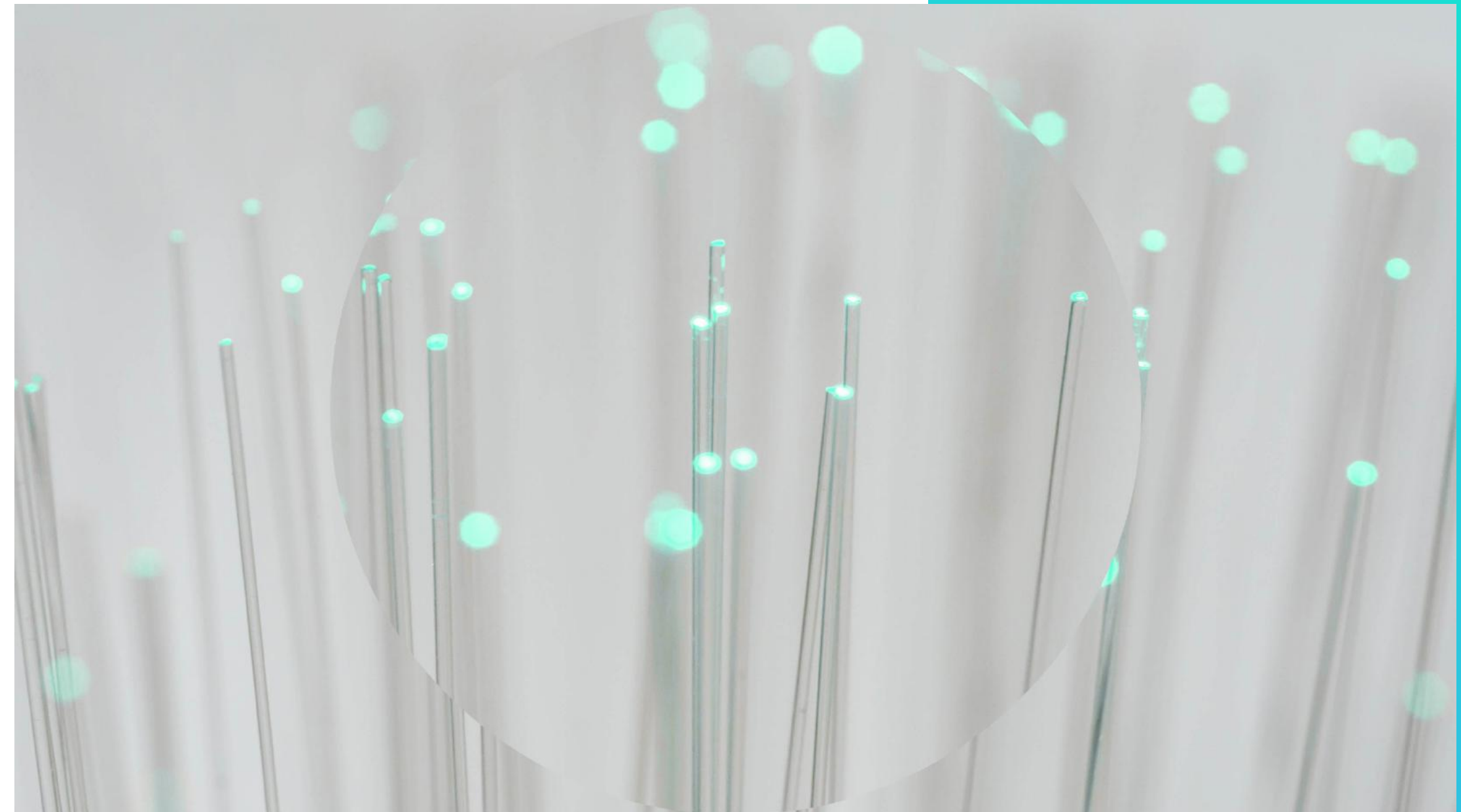
Security

- Fulfilling the highest demands of MSB
(The Swedish Civil Contingencies Agency)
 - Placement, design, construction and shell protection
 - Access protection and access control systems
 - Fire protection (Novec, low pressure system)
 - Electricity and data networks
- Highest security classification (3), resistance class 4.
(SSF Stöldskyddsföreningen)
 - Shell protection and internal Data Hall, including technical spaces
- Redundancy
 - Cooling system, Power system, Fiber infrastructure
- Offering multiple colocation zones
- ISO 27001
- NOC 24/7



Connectivity

- Carrier neutral
- Diversity / Redundancy
- Cloud connectivity
- Express routes to Azure, AWS etc
- Connection to other data centers



Globalconnect Denmark

- Responsible for the operation and maintenance of our Data Centers in Denmark.
- Anders Frich Mathiesen



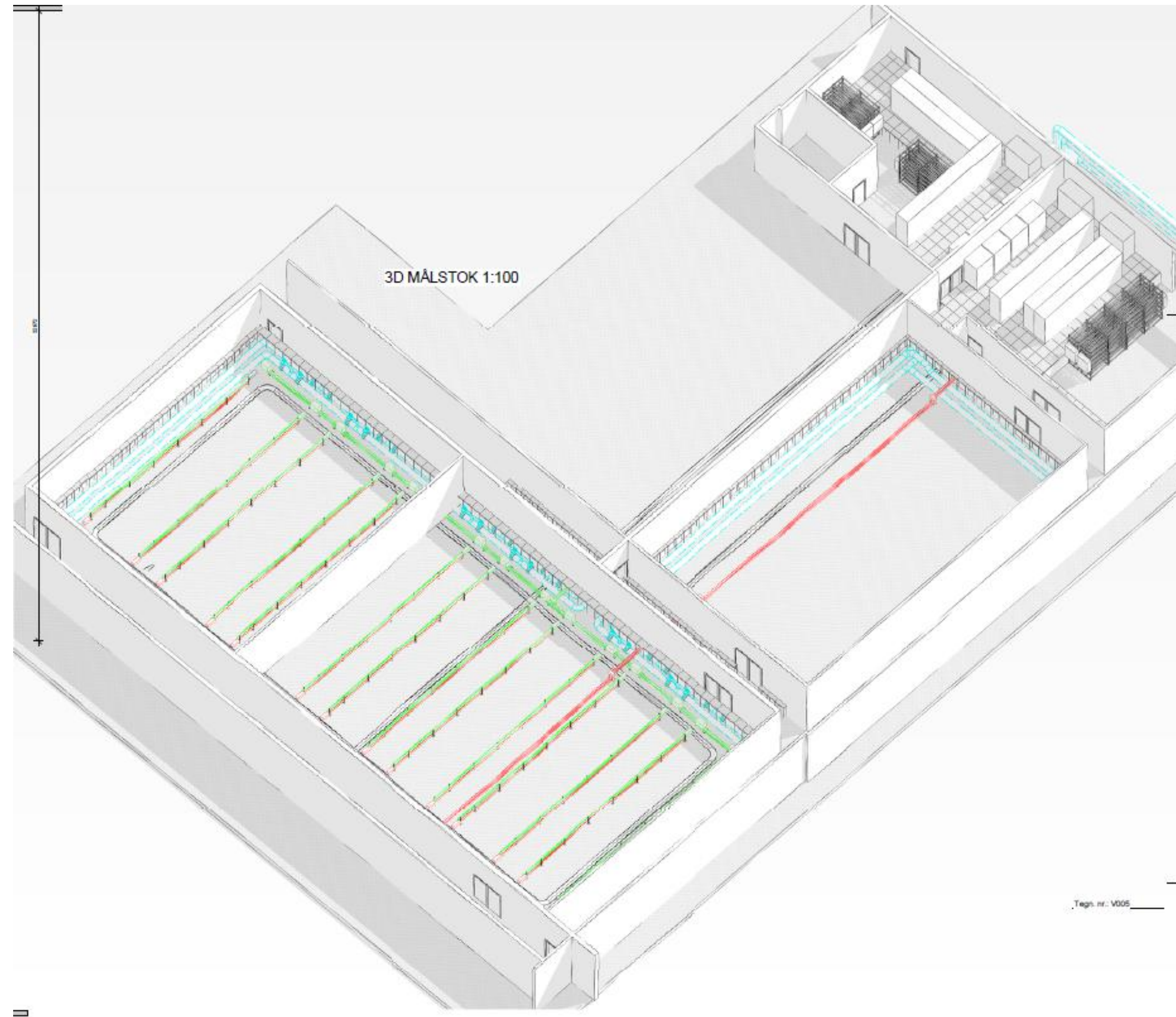
Hørskættten 12 - General

- Part of Hørskættten Cluster of 4 DC's
- 1 year from start, ready in April 2022.
- Dual site setup with Glostrup Area
- Capacity with 22kw+ per rack
- 4 MW ready to use
- Expansion possibility up to 25 MW



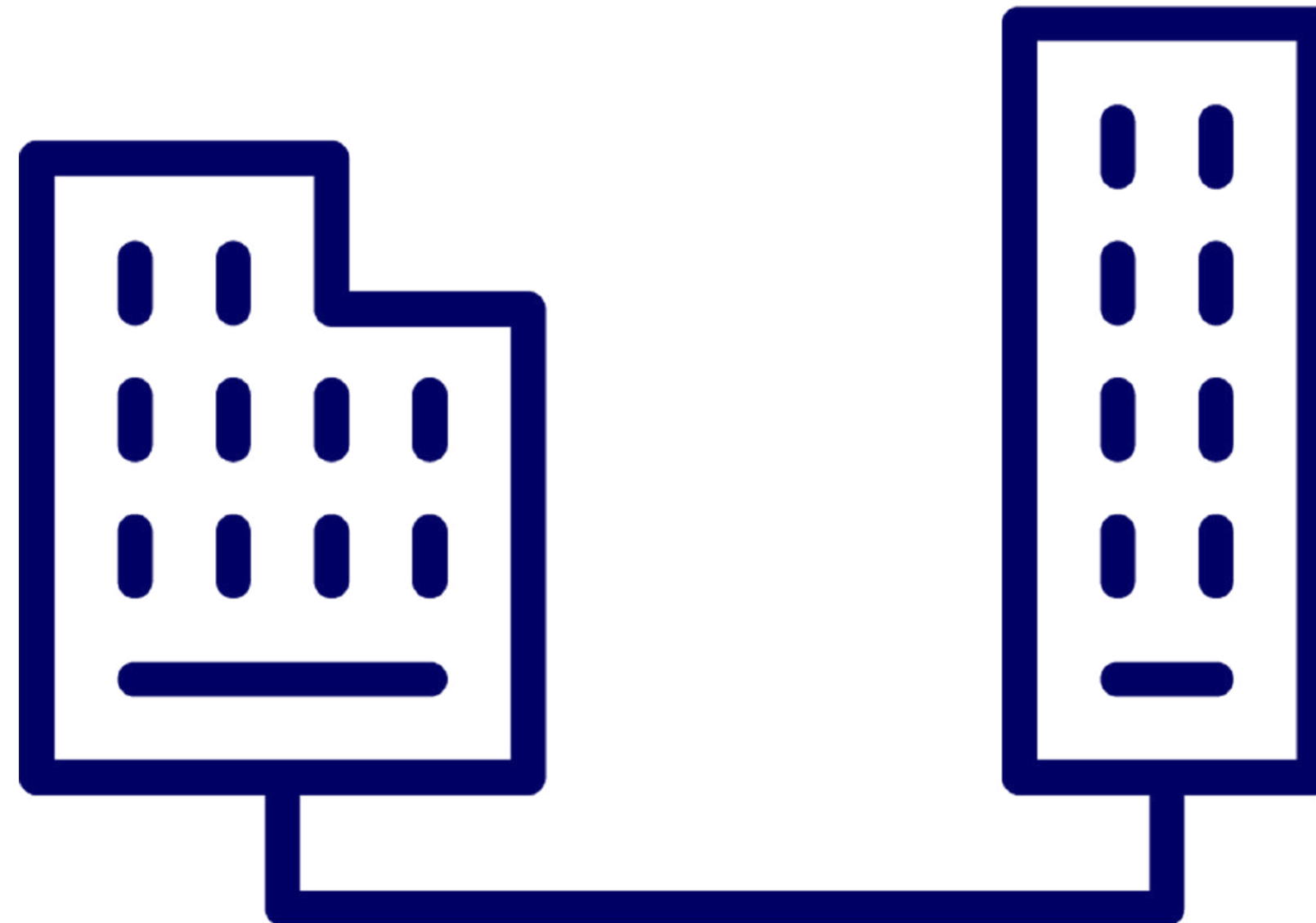
Hørskættten 12 - Technical

- Tier 3 Design
- TurboCore Compressors
- Canalis distribution
- Full N+2 DFU setup
- Power A+B, Fully Fire separated
- Looped Cooling ring piping separated
- Inergen Protected
- PCI Security Cleared

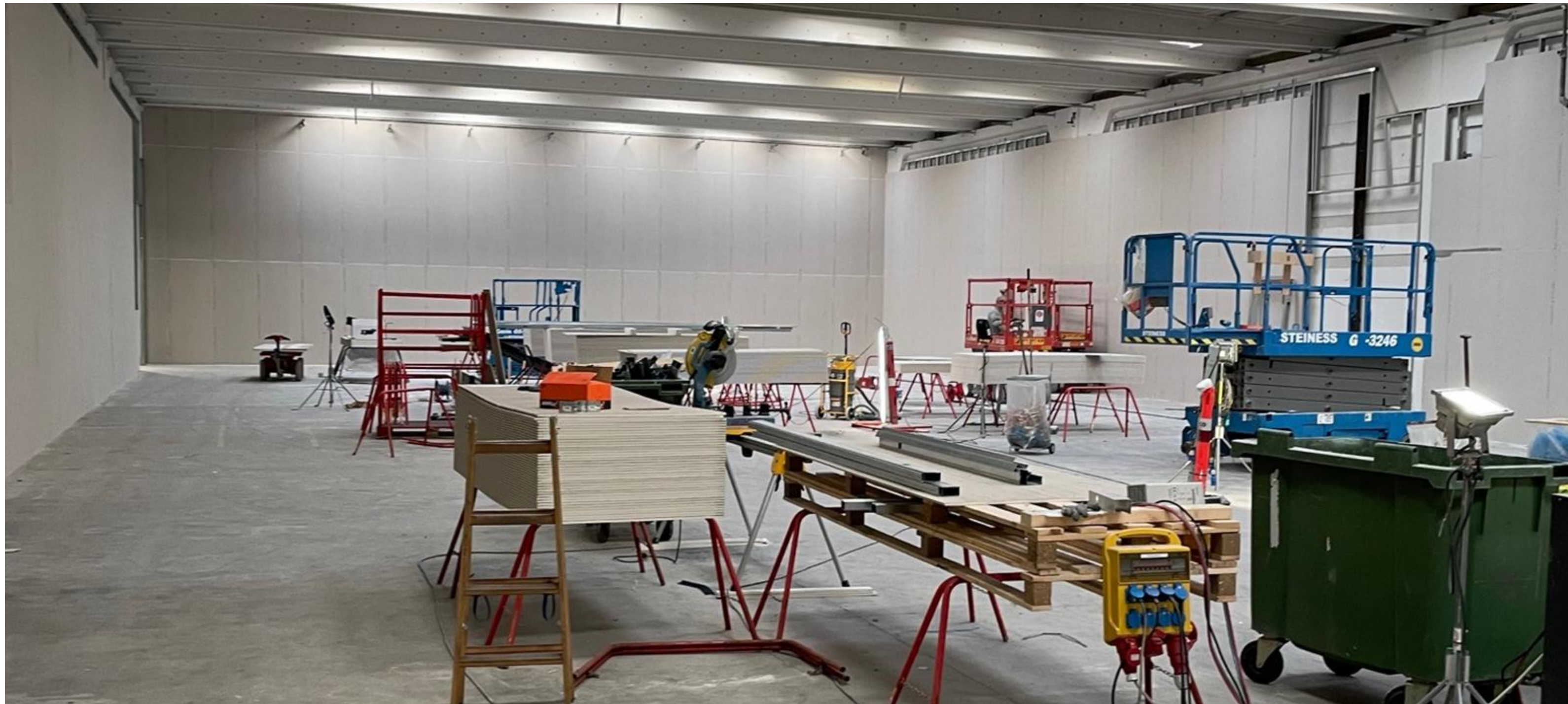


Hørskættten 12 - District Heating

- Project agreement with Høje taastrup District heating
- GlobalConnect owned Tap out point
- No Capex Investment
- “Give-Away” Heating



Hørskættten 12 – Not only a vision, it is happening right now!



Thank you!