DATACENTER FORUM

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NEW GENERATION OF DATA CENTER DEVELOPMENTS WITH CIRCULAR ECONOMY SOLUTIONS

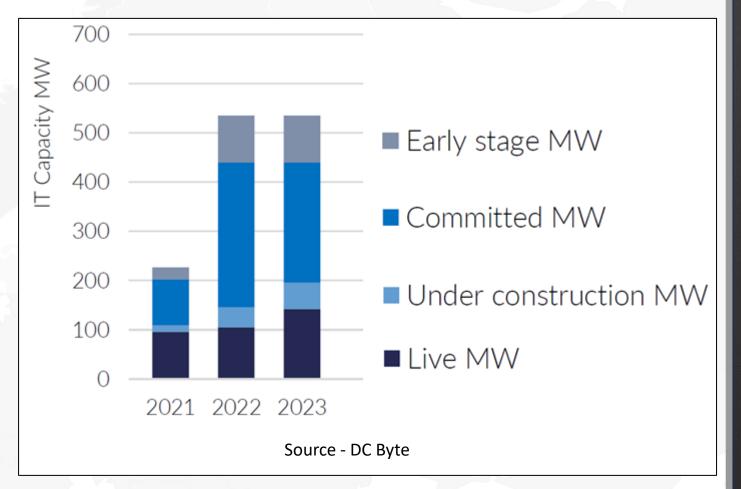
Filip Schelfhout CEO CTS Nordics Group of Companies



Norway as a Focus Area for Data Center Development

In recent years, Norway has put itself on the map in the European Data Center Market.

During the last year's Datacenter Forum, CTS Nordics informed about the **major opportunities** and **growth** of the Data Center industry in Norway.





TikTok : Partnership with Green Mountain

Through close collaboration during 2022, Green Mountain and CTS Nordics achieved great success in commercial development of a new Tik Tok data center campus at Hamar, Norway.

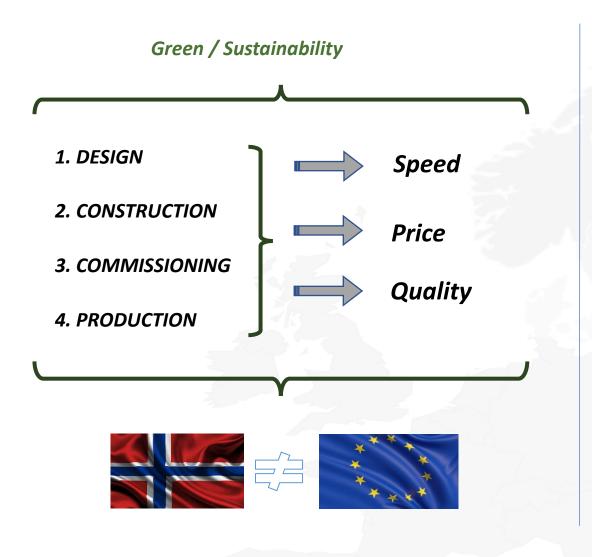
CTS Nordics would like to extend our gratitude towards the Green Mountain Management Team for this collaboration and partnership, in addition to their great success in positioning Norway in the Data Center development spotlight.



Later today, the CEO of Green Mountain, Svein Atle Hagaseth, will present the larger story on this partnership.



Recap Datacenter Forum 2022 - How to Successfully build data centers in Norway



CTS Nordics

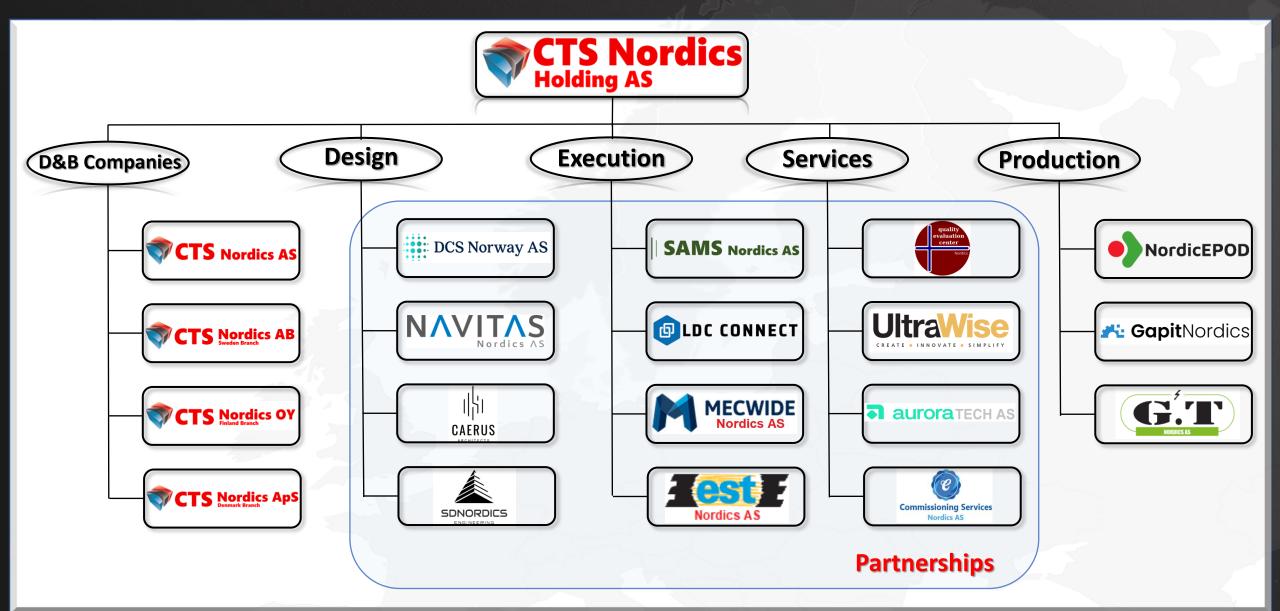




Sardine box with a lot of power and cooling

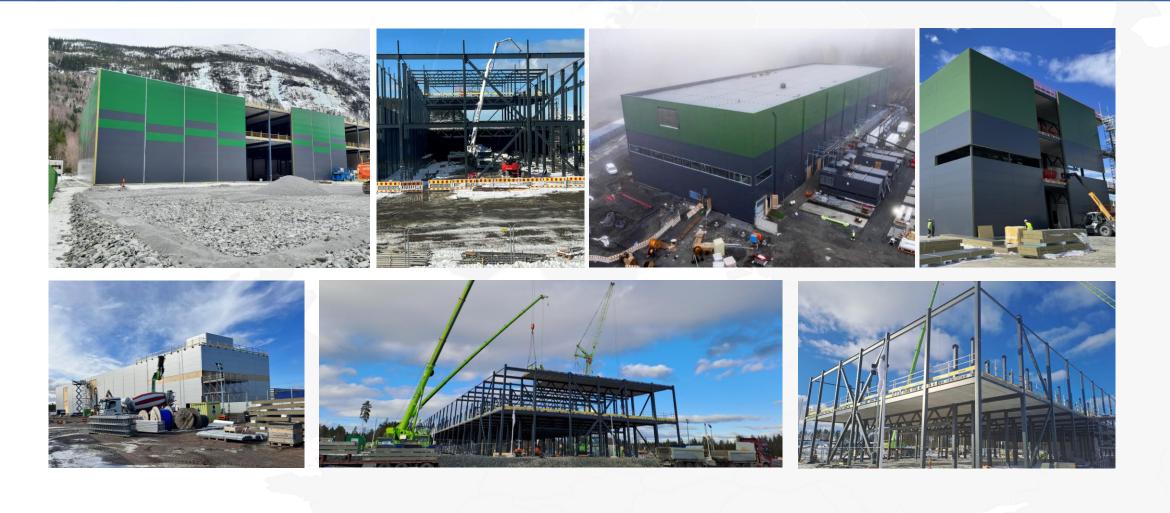
PARTNERSHIPS – Specialized companies MANAGEMENT – Local and International Professionals MANAGEMENT TOOLS – In-house software and QMS SUSTAINABILITY – Integration in design and build phases

CTS Nordics Group of Companies



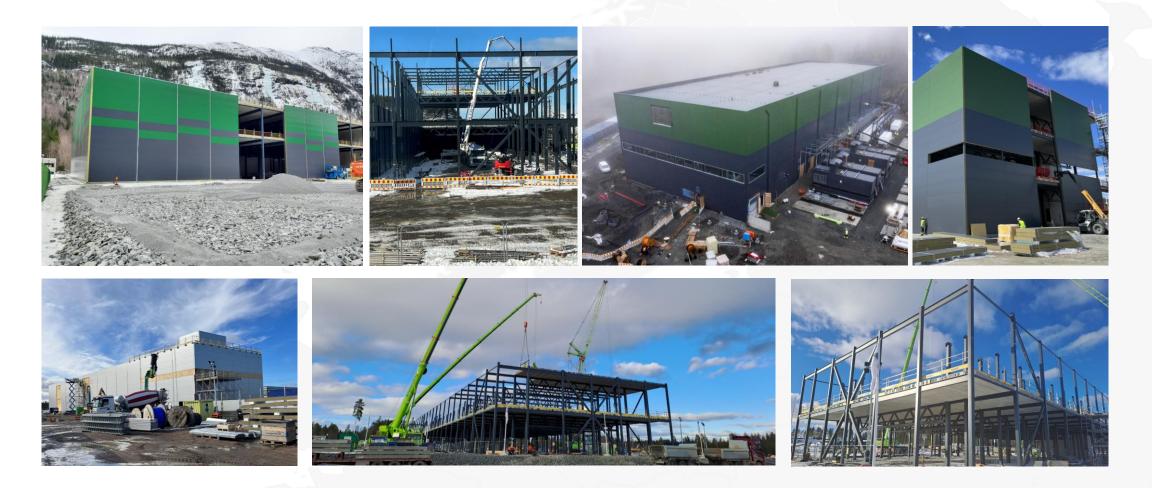
TCTS Nordics

Design & Build Projects





Design & Build Projects



CTS Nordics is currently executing build projects for 203 MW in Norway



Development Pipeline

S Norway Branch **Nordics AS**

S Finland Branch **Nordics OY** Sweden Branch Nordics AB

S Denmark Branch **Nordics** ApS

Today CTS Nordics Group of companies have **235 employees**. In the coming year, we are growing further up-to ± **370 employees**.

CTS Nordics has an additional development pipeline providing design

engineering services for **485MW** of projects in four countries.



Design – Execution – Service Partners

From 2021, CTS Nordics has developed a Nordic network of specialized partnerships from international companies.



Nordic EPOD AS

From our factory in Sande, NordicEPOD is currently in production of 152 new generation Electrical Power PODs of 2MW.

Our Targets:

- Digitalization
- Standardization
- Quality, price, and fast-track
- Web based production tracking

NordicEPOD

Circular Economy





Gapit Nordics AS

Today, Gapit is the largest **PMS** supplier in Norway providing specialized **BMS** and **PMS** in an Integrated Management System.

Future Objectives: PMS ଓ Today BMS Expand services to ** included **CMMS** by the ~ end of 2023 **Development of** ** **Centralized Control** Centralised Maintenance Health & Safety Inventory Rooms Tomorrow Control Strategy Management Management (CMMS) Room 2023 2024



G.T. Nordics AS

G.T. Nordics AS is the sole manufacturer of electric switchboards and control panels for CTS Nordics Group of Companies.

Value added:

- Market-leading production time through pre-approved design solutions
- Fast-track assembly
- Circular economy



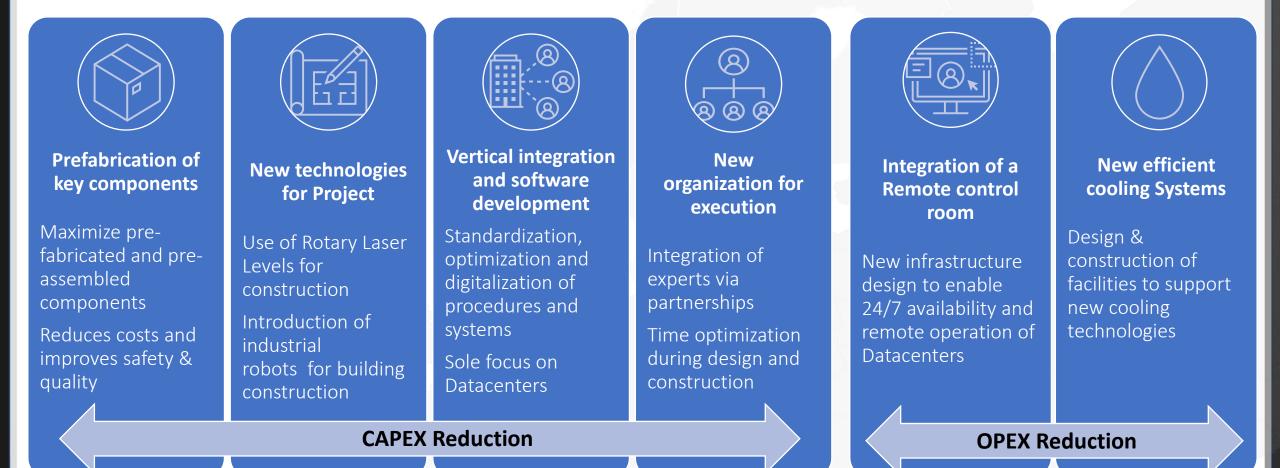






Future Developments: Use of New Technologies

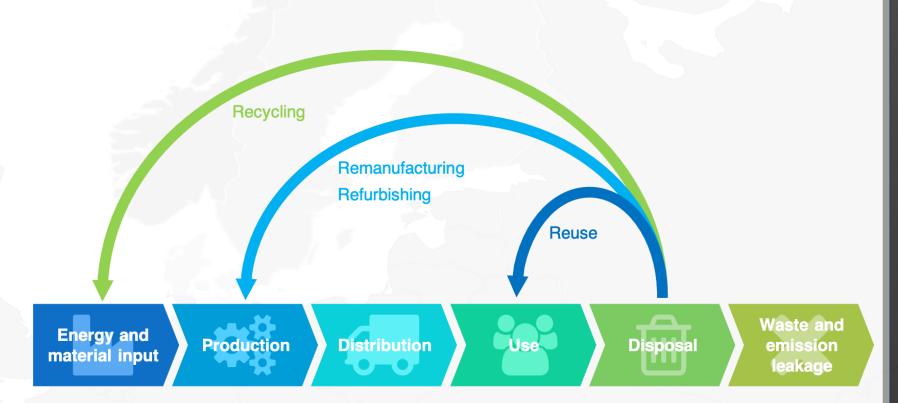
CTS Nordics' Focus on Integration of New Technologies



Current Linear Economy and Circular Economy Solutions

Current Linear Economy:

- Data centers are estimated to reach 4% of global electricity consumption by 2030 (Source: Vertiv news - London November 2022)
- Vulnerable to raw material and electronic equipment supply chain





Future Developments: Circular Economy

Circular Economy Implementation

- As the demand for datacenters increases, the need to design and build in a more sustainable approach has increased.
- Joining the circular economy could significantly reduce the carbon footprint.
- The waste heat could be used for different purposes:
 - District heating
 - Greenhouses
 - Vertical farming
 - Food production plants

We must create new economies













Next update in one year:

Same time, Same place



Our Value is passion for the business