



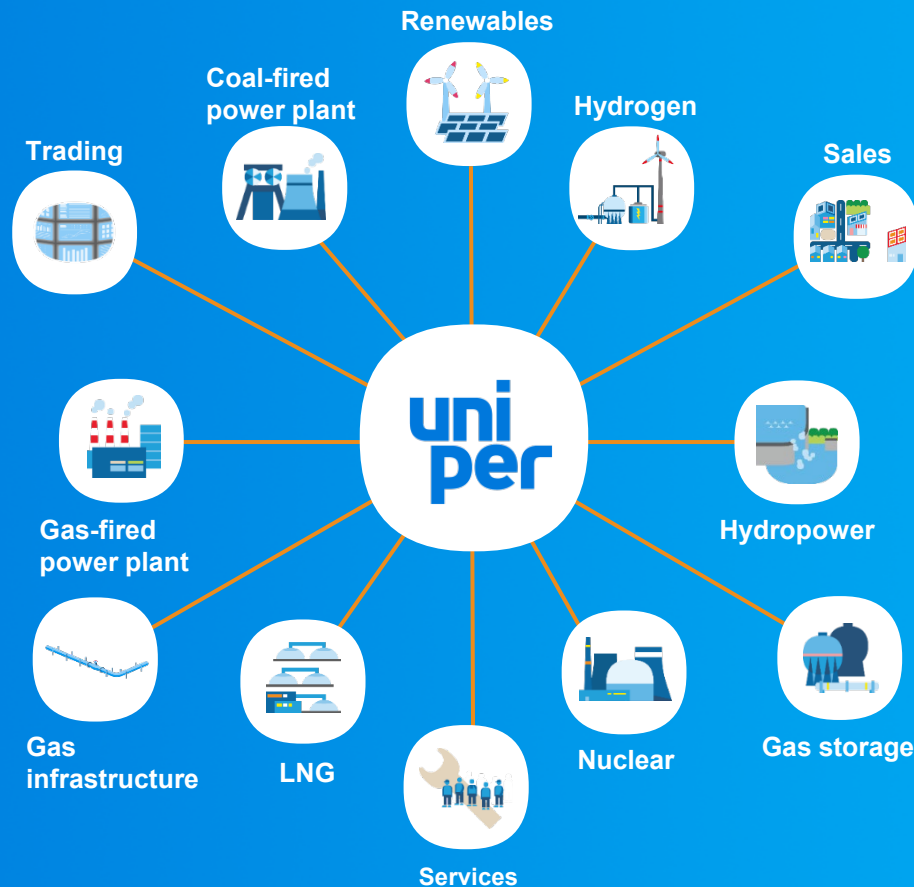
Short-term markets: A traders' perspective

Pre-Nordic Energy Day 28.08.2024

Atle Sebjørnsen
Short-Term Power Trading Expert

At a glance

- **7,000 employees** ensure security of supply in Europe
- Active in more than **40 countries**
- ~ **22.4 GW** generation capacity
- Entire business to be carbon-neutral by **2040**
- Gas portfolio consisting of roughly **200 TWh**
- **€6.3 billion** adjusted EBIT (FY 2023)

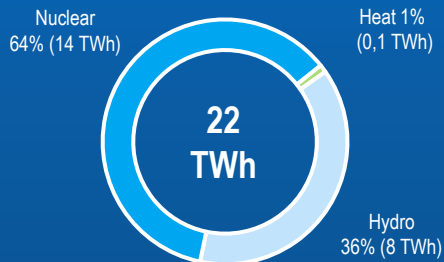


**uni
per**

In Sweden

Nordic activities, hedging assets...

Uniper power production



PPAs: SE, NO and DK

Ongoing H2 projects: Project Air, H2@OKG, Liquid Wind, Bothnia LinkH2, SkyFuelH2, NorthStarH2



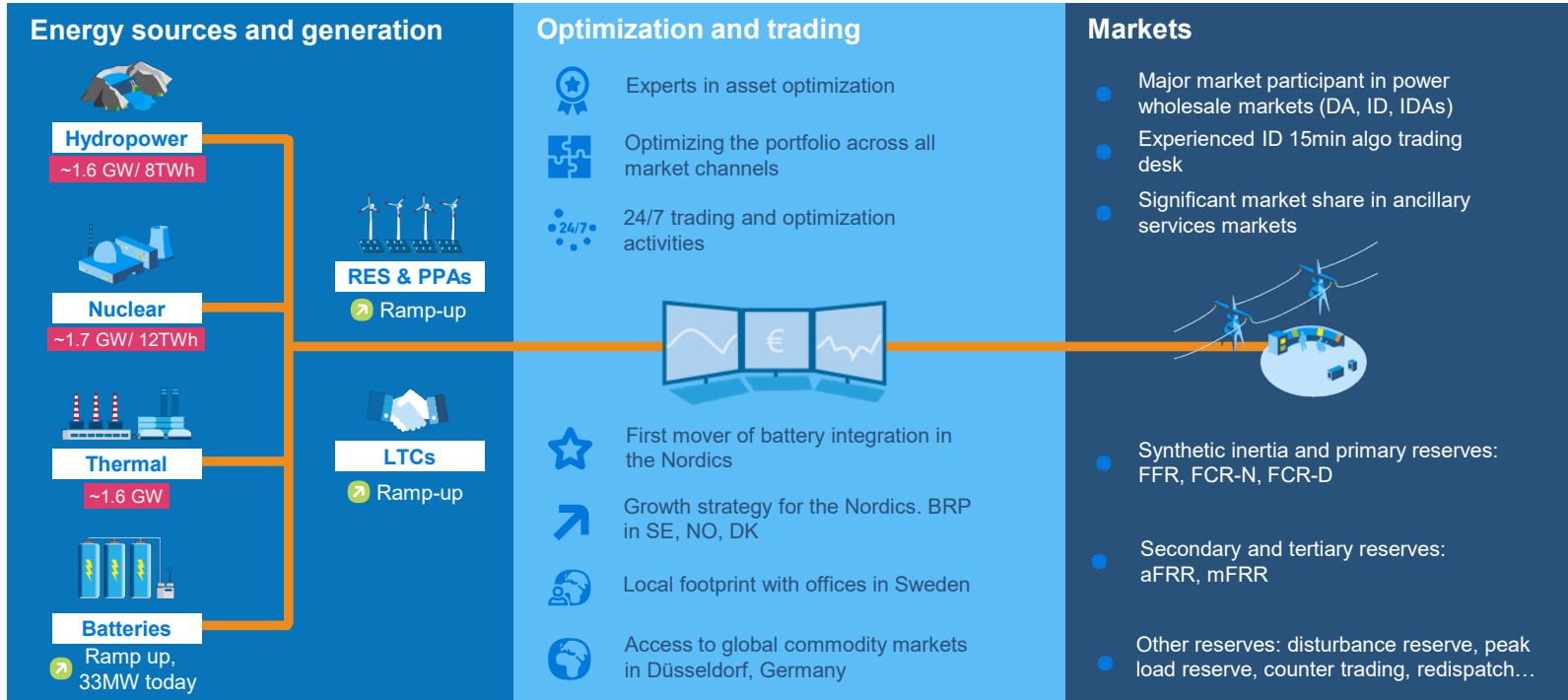
4 710 MW installed capacity



33 MW/MWh



Uniper's Nordic Short Term Power Trading Activities



Complexity

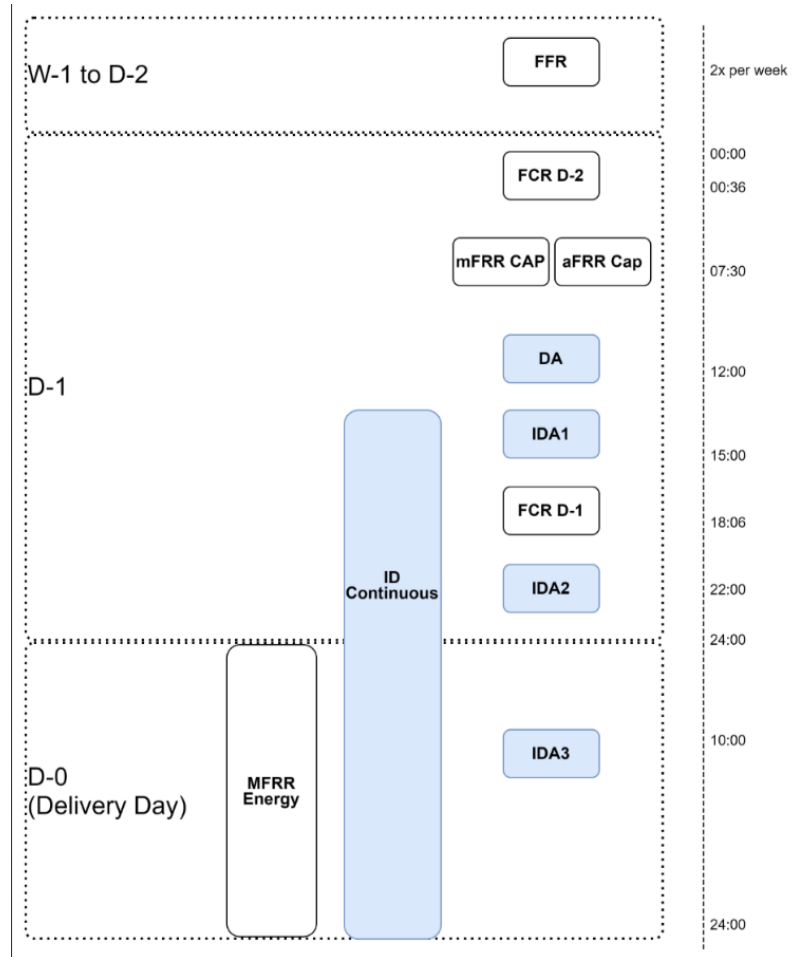
Many products and channels to take into consideration when planning the day.

Daily auctions and continuous trading on exchanges.

Weekly and daily auctions/updates on TSO.

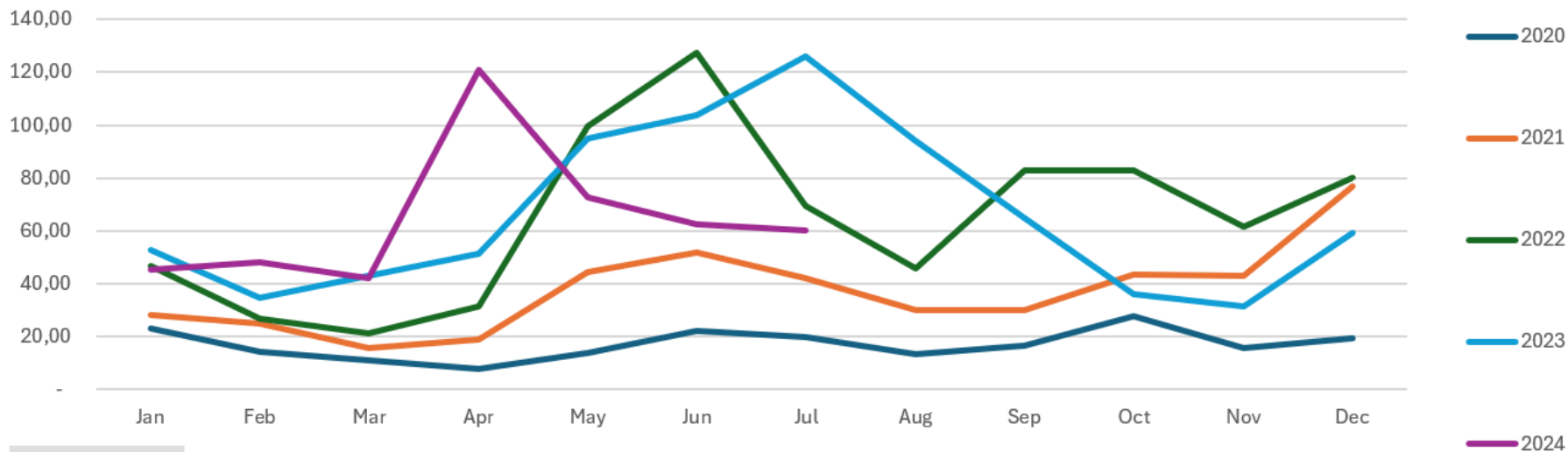
Upcoming market changes.

Helps to be positioned (UK, NL, GER) and have deep insight into neighbouring markets around the Nordics



Ancillary Service Market

FCRN monthly €/MW



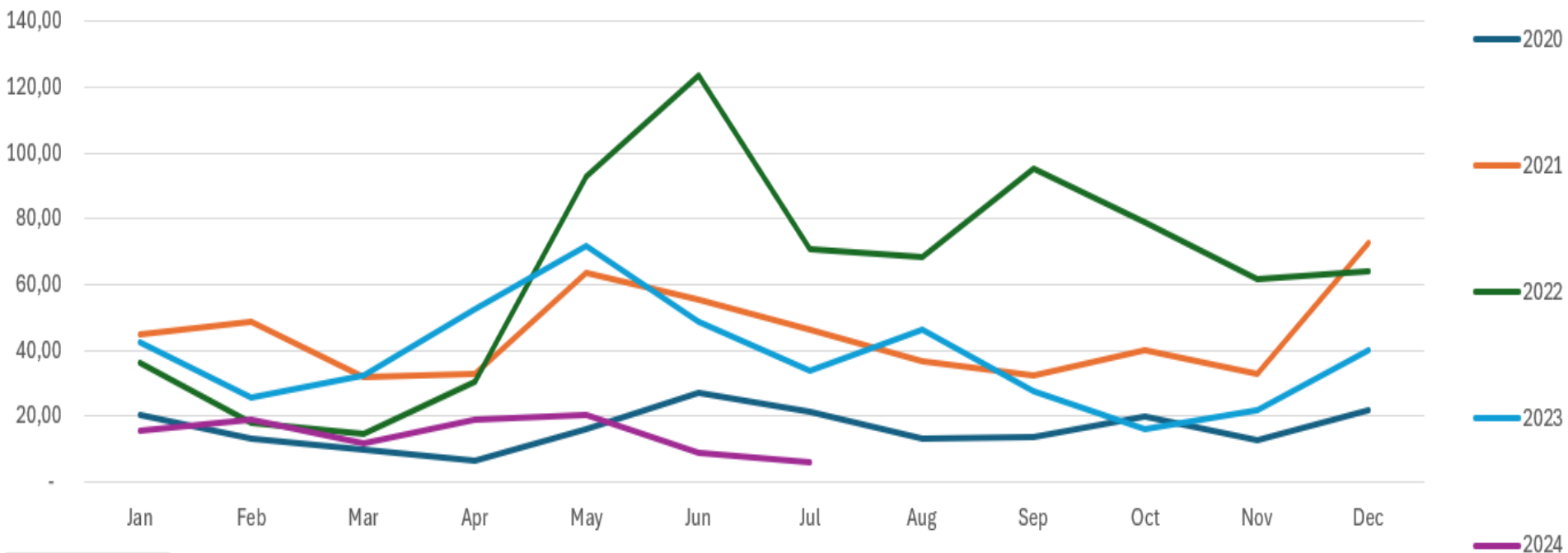
Months (Date?) ▾

Early mover in BESS Sweden, good money on the FCR.
Flooding of batteries in the Swedish ancillary service market.
Approved for FFR and FCR-D Jan. 200MW Jul. 950MW

Market shows saturation already and next wave of batteries in the market will have a hard time.
Moderate increase in demand...

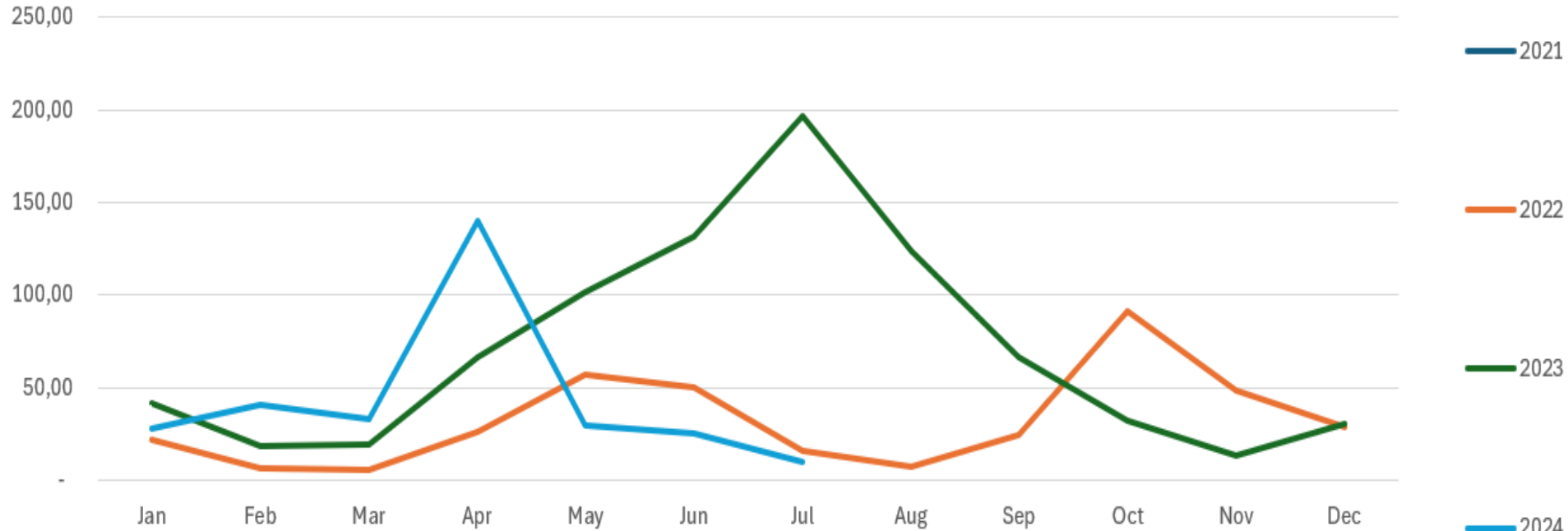
Ancillary Service Market

FCRD-Up monthly €/MW



Ancillary Service Market

FCRD-Down monthly €/MW



Future

More focus on the
short term market

15min Nordic ID

15min MTU DA

2026

MARI (mFRR)

PICASSO (aFRR)

Increased volume in the
Nordic SIDC and IDAs

uni per



Thank you for your attention!

Atle Sebjørnsen

Short-Term Power Trading Expert
atle.sebjornsen@uniper.energy

