



EPEX SPOT Nordic offer is live competitive, complete, innovative

Audrey Giffard, Marketing Manager at EPEX SPOT

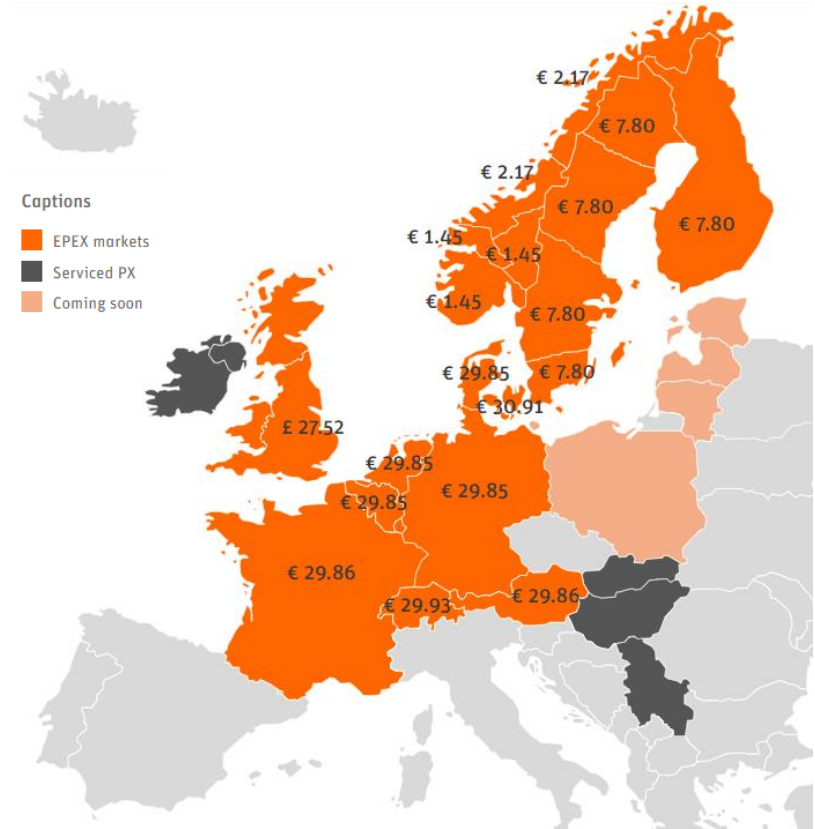
Successful launch and member trust

Successful Nordic go-lives in May and June:

- **Intraday Continuous – 25 May**
 - ✓ 12 Nordic bidding zones coupled
- **Day-Ahead Auction – 3 June**
 - ✓ 12 Nordic bidding zones coupled

Members support from day 1:

- **Intraday Continuous**
 - ✓ Trades registered in the 12 Nordic areas as of day 1
 - ✓ 1st trade executed less then 20 seconds after opening
- **Day-Ahead Auction**
 - ✓ Trades registered in the 12 Nordic areas as of day 1



MRC 12am
Day-Ahead
Auction

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NEMO

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XBID
Intraday
Continuous

Unique auction offer to the Nordic members

Market offer

- DK Day-Ahead MRC Auction
- FI Day-Ahead MRC Auction
- SE Day-Ahead MRC Auction
- NO Day-Ahead MRC Auction

API access

Unique orders types

offering flexibility to all

- **Linear orders**, up to 256 price offers
- **Simple, Big blocks & Curtailable blocks**
- **Linked blocks**, up to 7 generations
- **Exclusive blocks**, up to 24 per group
- **Loop blocks**, up to 800 MWh/h



dc Danske Commodities

“ We have found EPEX SPOT to be a great partner for our growing asset optimisation business and we look forward to further contribute to the growth of the Nordic markets. By working together on innovative solutions for both PPAs and supply customers, we contribute to the acceleration of the energy transition.

part of eex group

WE ARE LIVE IN THE NORDICS.

eexspot

Day-Ahead: Secured price formation

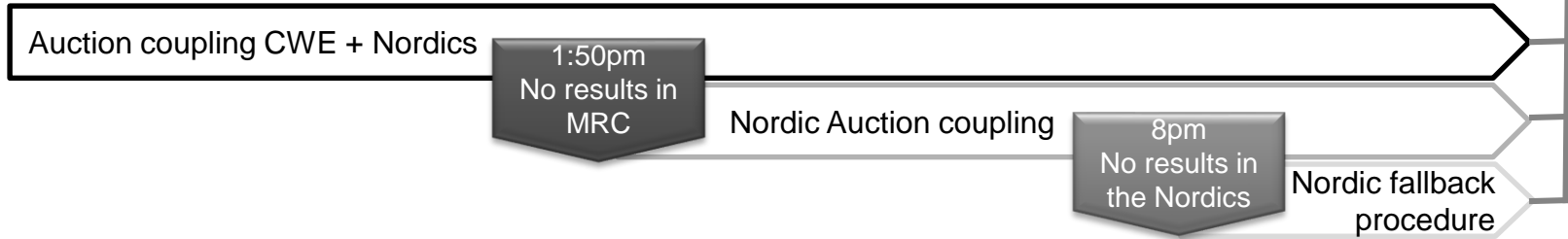
Nordic single price is fully preserved

Based on the Nordic & Baltic Multi-NEMO Arrangements, a **single regional Day-Ahead price is always secured amongst all NEMOs**

In case no Nordic market result is found at 8pm D-1, a harmonised fallback procedure is applied : **previous day results applies to all NEMOs**



1 single price for all Nordic NEMOs

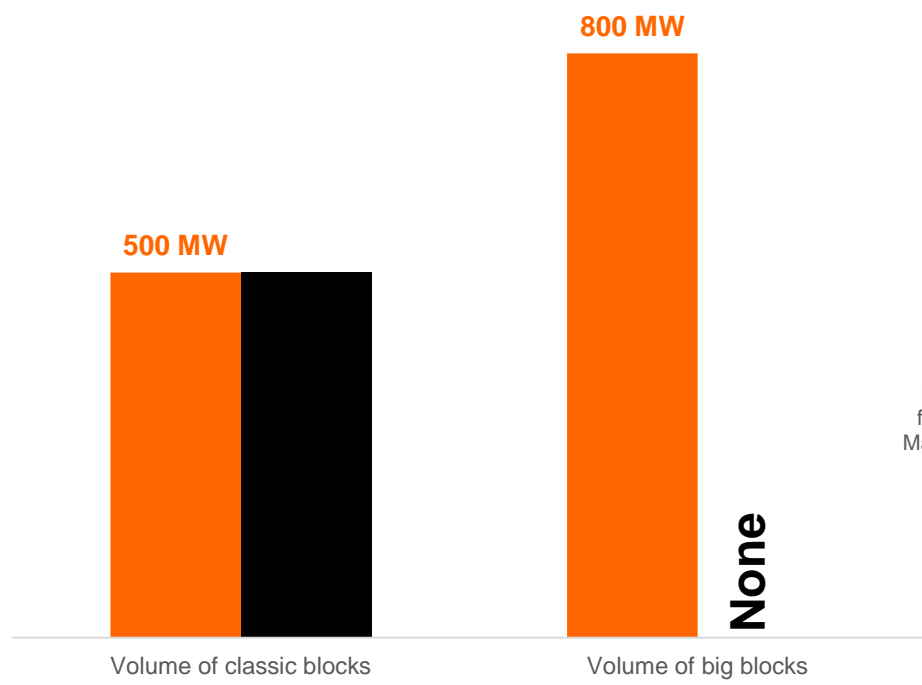




EPEX SPOT Day-Ahead blocks superior offer

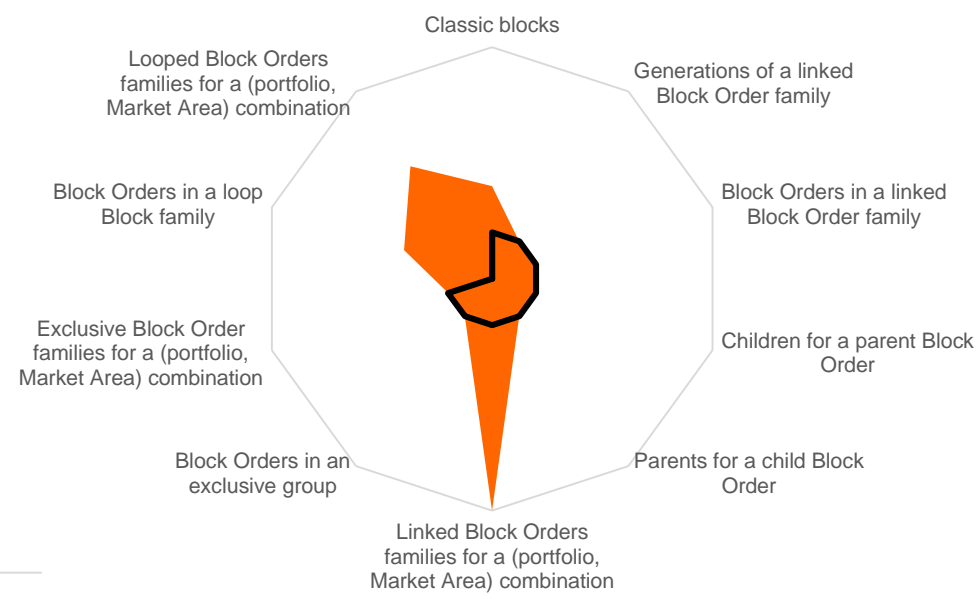
A superior offer in terms of block volumes

■ EPEX SPOT ■ Competition



A superior offer in terms of # of blocks

■ EPEX SPOT ■ Competition

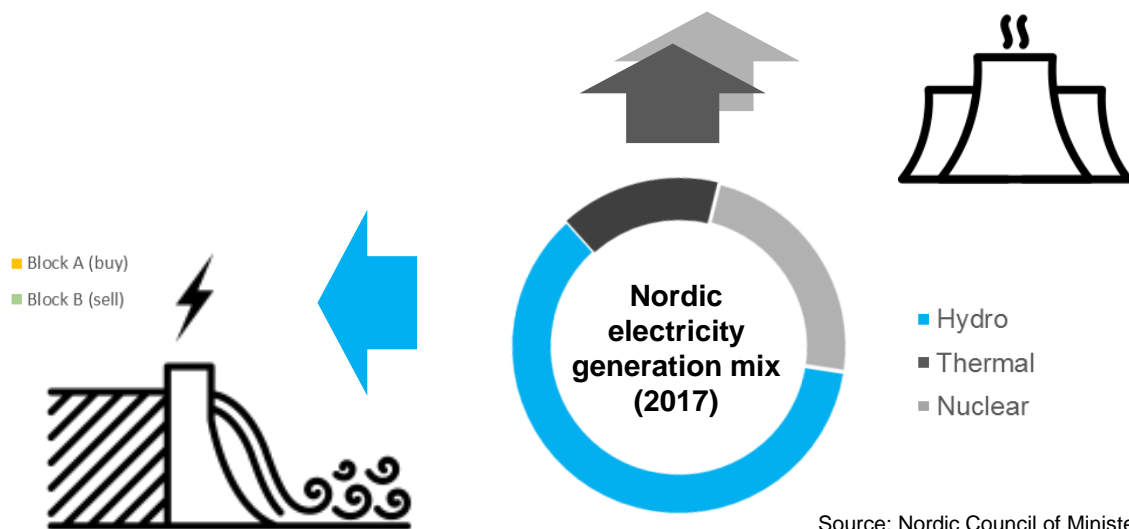
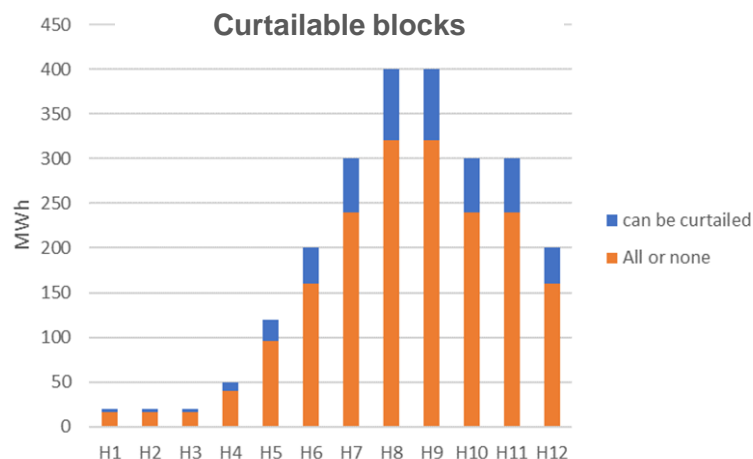


Loop blocks fitting hydro optimization needs

Orders types





fitting the **Nordic energy mix**

- **Loop blocks** to optimize your storage facilities
- **Curtailable blocks** adapted to thermal units
- **Linked blocks** to sophisticate your optimization strategy
- **Large blocks** to value large assets



Extending the M7 performance to the Nordics

Market offer

-  *DK Continuous Intraday (XBID)*
-  *FI Continuous Intraday (XBID + local till 0min)*
-  *SE Continuous Intraday (XBID)*
-  *NO Continuous Intraday (XBID)*

API access

Advanced order types

to support smart trading

- *Immediate or cancel (IOC)*
- *Fill or Kill (FOK)*
- *All or None (AON)*
- *Baskets and Baskets linked FOK*
- *Market sweep orders*




MFT Energy

“ Our strategy is centred around leveraging the latest technologies and empowering our traders to be the best within their markets. We welcome EPEX SPOT to the Nordics and look forward to also be using its trading solutions for the Nordic areas.

part of eex group

WE ARE
LIVE IN THE
NORDICS.

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Praised intraday performance in Europe

Platform

scalable and of **high performance**

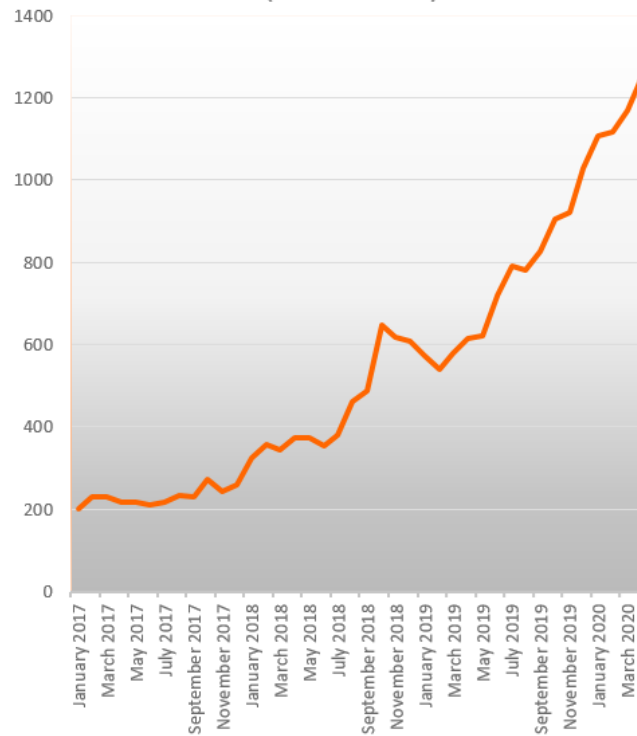
Robust & fast machine

- High availability rate
- Low latency even at peak-times

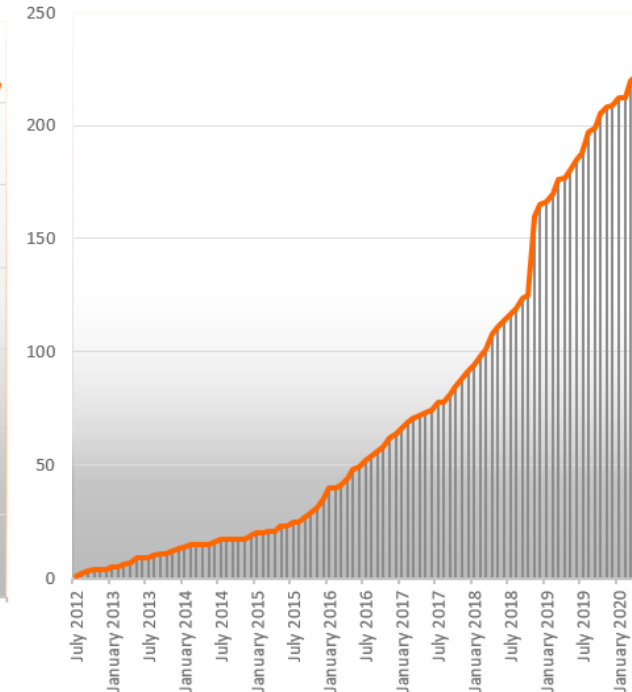
State-of-the-art API technology

- Robust to high load
- Dedicated API technical support
- Largest community of ca.20 certified ISVs

DAILY AVERAGE NUMBER OF SUBMITTED ORDERS (THOUSANDS)



NUMBER OF CONNECTIONS VIA EPEX API



Expanding your one-stop-shop to the Nordics

> eex

> epexspot



Year/Month/Week before delivery

One day before delivery

Until 5 min before delivery

HEDGE
fluctuations

Value
PRODUCTION
CONSUMPTION

Value
FLEXIBILITY



CROSS-MARGINING SAVINGS



RICHEST MARKET DATA OFFER



REMIT REPORTING



TRANSPARENCY SERVICES (UMM,...)

> ecc Integrated & Secure Clearing Solution

EPEX SPOT - Your Partner in Trading

Join us in the Nordics!



**LIQUIDITY FROM DAY 1
100% SECURED**

**WIDEST RANGE OF
TRADING PRODUCTS**



**EFFICIENT DATA &
REPORTING SERVICES**



**SAFER & ECONOMICAL
CLEARING**

**PROVIDING THE LATEST
INNOVATIONS**



24/7 CLIENT SUPPORT



**BEST-IN-CLASS
API SOLUTIONS**



**MOST PERFORMANT
INTRADAY MARKET**

Energi Danmark[®]

“ We welcome the increased competition in the Nordics. We always trade on the venue that offers the best value proposition for us. The entry of EPEX as a new NEMO in the Nordics allows us to trade on our Exchange of choice in this region too.

**WE ARE
LIVE IN THE
NORDICS.**

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Annex

Registration – take advantage of our Nordic offer

What do I need?

External requirements

- BRP Registration
- Trading License (Norway only)
- VAT registration (Norway only)

EPEX & ECC requirements

- Updated Trading agreement (TA)
- Updated ECC Trading Participant (TP) form

Send completed forms to membership@epexspot.com or contact sales@epexspot.com who will guide you through the process step-by-step

YOU ARE AN EPEX SPOT MEMBER INTERESTED IN TRADING IN THE NORDICS

HOW TO TRADE IN THE NORDICS

BRP REGISTRATION

- Register a Balance Responsible Party (BRP) with the Nordic TSOs: Energinet (DK), Fingrid (FI), Statnett (NO) or Svenska Kraftnät (SE) depending on the market you wish to be active on
- Register an Imbalance Settlement Agreement (ISA) with eSett – responsible for imbalance settlement and invoicing in Finland, Norway and Sweden. For Denmark, an ISA will need to be signed directly with Energinet.

Links:
[Energinet](#) (DK) [Statnett](#) (NO)
[Fingrid](#) (FI) [Svenska Kraftnät](#) (SE)

Link:
[eSett](#) (FI, NO, SE)
[Energinet](#) (DK)

CLEARING

- For Non-Clearing Members and Direct Clearing Participants, fill out the respective Trading Participant (TP) Forms available on ECC's website. In the ECC TP Form(s), you will need to accurately capture and submit your BRP/Retailer (RE) relationship
- Contact your Clearing Member to adjust your trading limit in case modifications are required

Visit: [ECC's website](#)
Download: [ECC TP Forms](#)
Deadlines to secure trading from go-live:
Intraday continuous: 10 February 2020
Day-Ahead auction: 10 February 2020

Contact: limits@ecc.de

TRADING LICENSE (NORWAY ONLY)

- Register with the Norwegian water resources and energy directorate (NVE) if you would like to trade in Norway

Click [here](#) for more information

VAT (NORWAY ONLY)

- Register with the Norwegian tax administration if you would like to trade in Norway (the Norwegian VAT number will be requested in the TP Forms submitted to ECC)

Click [here](#) for more information

MEMBER READINESS

- Join our Intraday continuous & Day-Ahead auction member testing
- Send us your updated Trading Agreement (TA)
- Send us your updated TP Form
- For API users, amend and test your API application to ensure it can handle the new Nordic delivery areas (private and public data retrieval and/or order management)

Dates: announced via EPEX SPOT Info

Contact: membership@epexspot.com

Contact: membership@epexspot.com

Contact: marketdata.technical@epexspot.com

Any additional questions? Contact our Sales team at sales@epexspot.com

Nordics Member Checklist
Released 17th December 2019

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09/07/2020

All you need to know in an up-to-date FAQ



DCP clearing model will be offered in the Nordics

NOMINATIONS

For **Finland, Norway, Sweden**, nominations are **single-sided**, i.e. only ECC is able to send the nominations to eSett.

For **Denmark**, nominations are **double-sided** with priority rule for ECC, i.e. ECC and the trading member send nominations to Energinet.

TRADING SESSION

Contracts open for trading at **14:00** the day before delivery of the contract for **DK, FI, SE, NO**

Contracts close **60 minutes** before delivery start of the contract for **DK, NO, SE** and **30 minutes** before delivery start of the contract for **FI**

Local trading as a XBID back-up only

Cross-margining of trading exposure will be possible with Nordics spot markets



Thank you for your attention!

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