



GO MARKET

powered by
h u p x

HUPX GO pricing and order insights in 2023

Márton Kádár

HEAD OF SALES AND BUSINESS DEVELOPMENT

HUPX – Veyt GO webinar

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Main principles

Standardized products #attributes

Transparency #referenceprice

Anonymity #trading #transfer

Low entry barrier #selfclearing

Non-discriminatory #blackboxauction

Guaranteed delivery #physical #financial



No risk & low cost

Self-cleared pre-paid methods, no extra costs of clearing, no additional margin requirements

Pan-EU & multi-seller

Pay-as-cleared, multiple seller auction

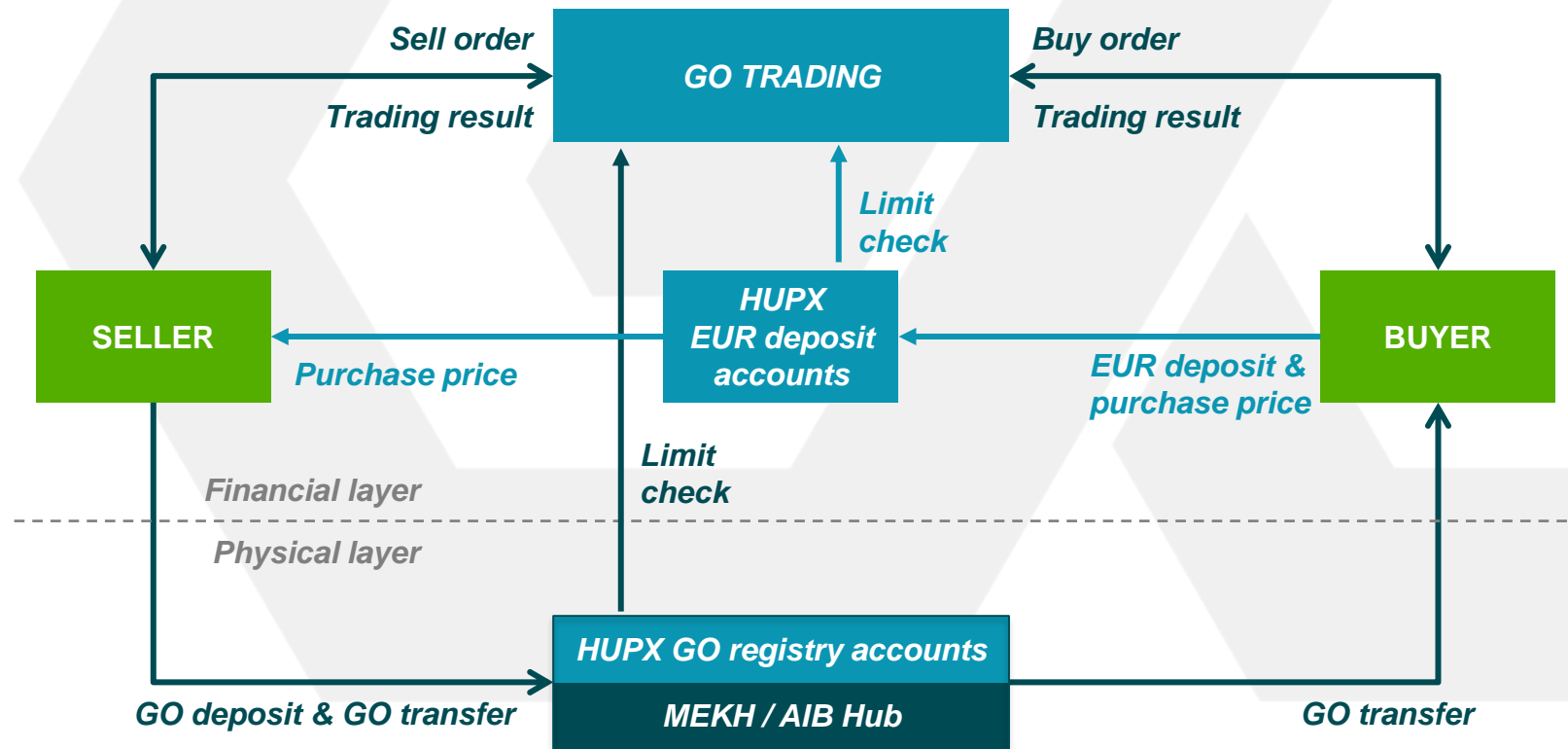
Simple & versatile

in-house, 5 order attributes, one single session

No risk & low cost

Self-cleared pre-paid methods, no extra costs of clearing, no additional margin requirements

- **Pre-paid cash collaterals** guarantee buy orders
- **Pre-transferred GO collaterals** guarantee sell orders
- **No third-party needed**, only HUPX membership fee applies



Pan-EU & multi-seller

Pay-as-cleared, multiple seller auction

- **Single clearing prices** for each preferred GO attributes



- **Any AIB country GO** can be offered and traded

55 members from 15 countries

Already GOs from 9 countries were offered

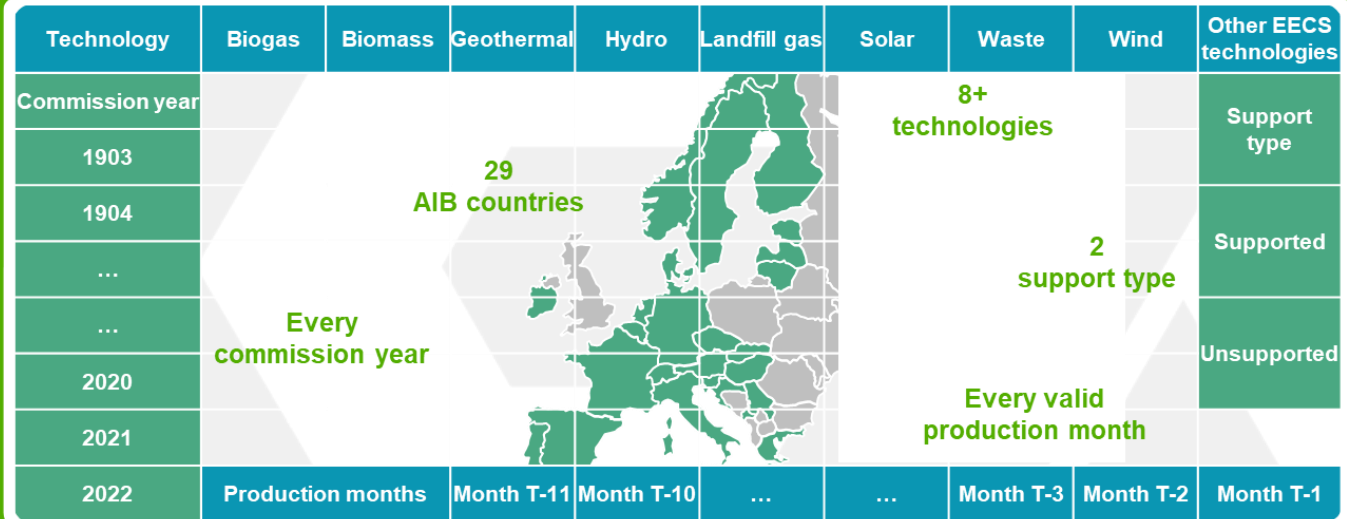


Simple & versatile

in-house, 5 order attributes,
one single session

- Web-based trading platform
- Auction frequency: **Monthly Auctions**
- Pricing mechanism: **Single clearing price set by last winning buy Order**

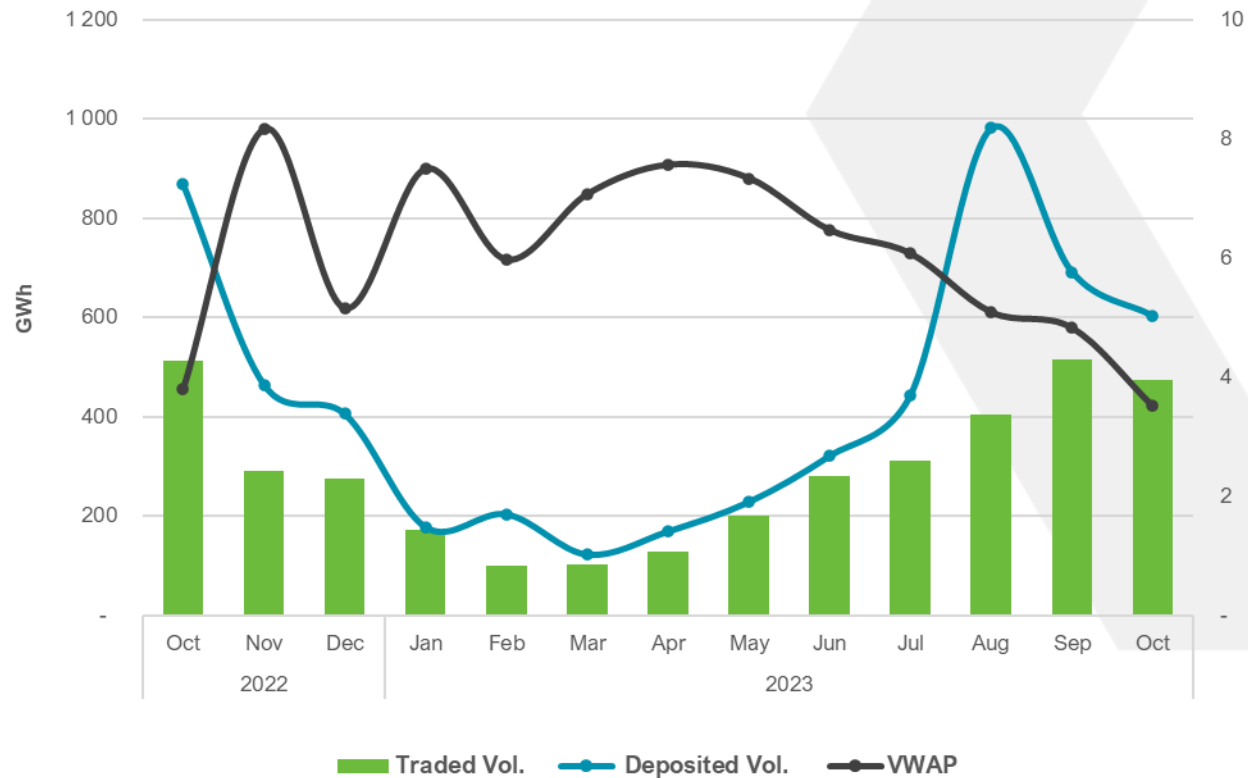
Single Auction and streamlined Order insert with a complex Order Book

Technology	Biogas	Biomass	Geothermal	Hydro	Landfill gas	Solar	Waste	Wind	Other EECS technologies
Commission year									Support type
1903									
1904									
...									
...									
2020									
2021									
2022	Production months	Month T-11	Month T-10	Month T-3	Month T-2	Month T-1	

5 Order attributes via preference handling

- 5 Order attributes: **Preference handling via** technology, production month, **commission date, country and support type**
- Available technologies: Biogas, Biomass, Geothermal, Hydro, Landfill gas, Solar, Waste, Wind **and any other EECS compliant technology**
- Available countries: All **AIB countries**

Deposited & Traded Volumes

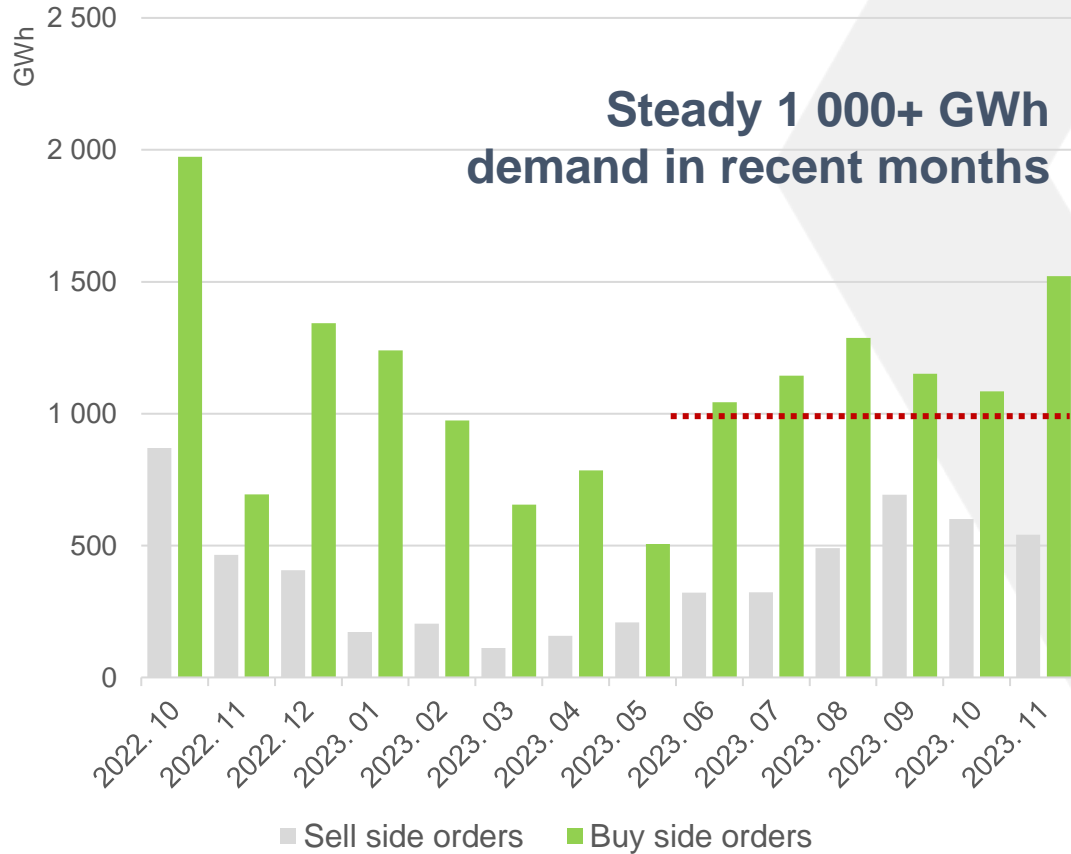


Total volume already above **5 TWh**

Recent trends, lowering prices, market getting calm recently

HUPX GO market expecting more foreign volumes

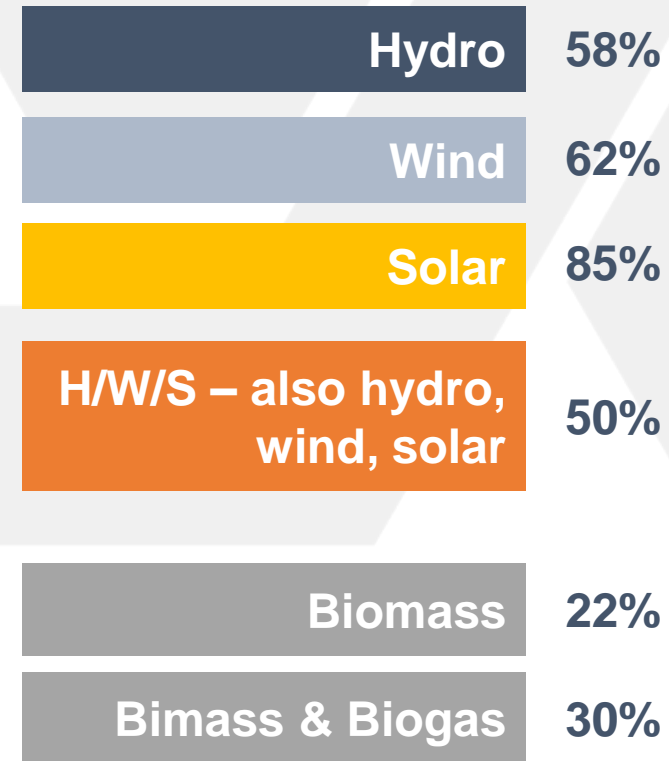
Sell orders and Demand orders on HUPX GO market



Technology preferences

Most of the orders include more than 2 technologies, some interesting shares below.

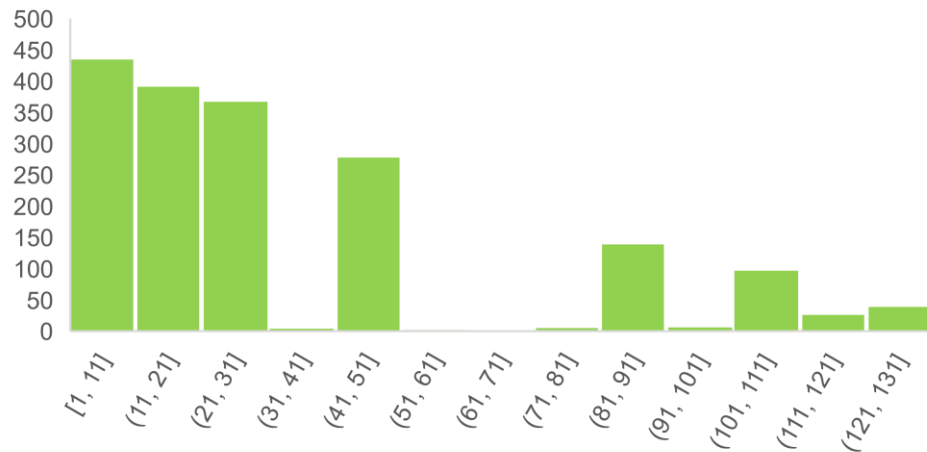
For the buyer offers prefer:



RE100 compatibility Commission year

- Trading system **is already compatible with RE100 requisites** to select applicable commission years
- **Actively used feature**, most of the offers right now prefer <30 yrs old generators

Distribution of the number of commission years eligible for offers



2023. 11. 24.

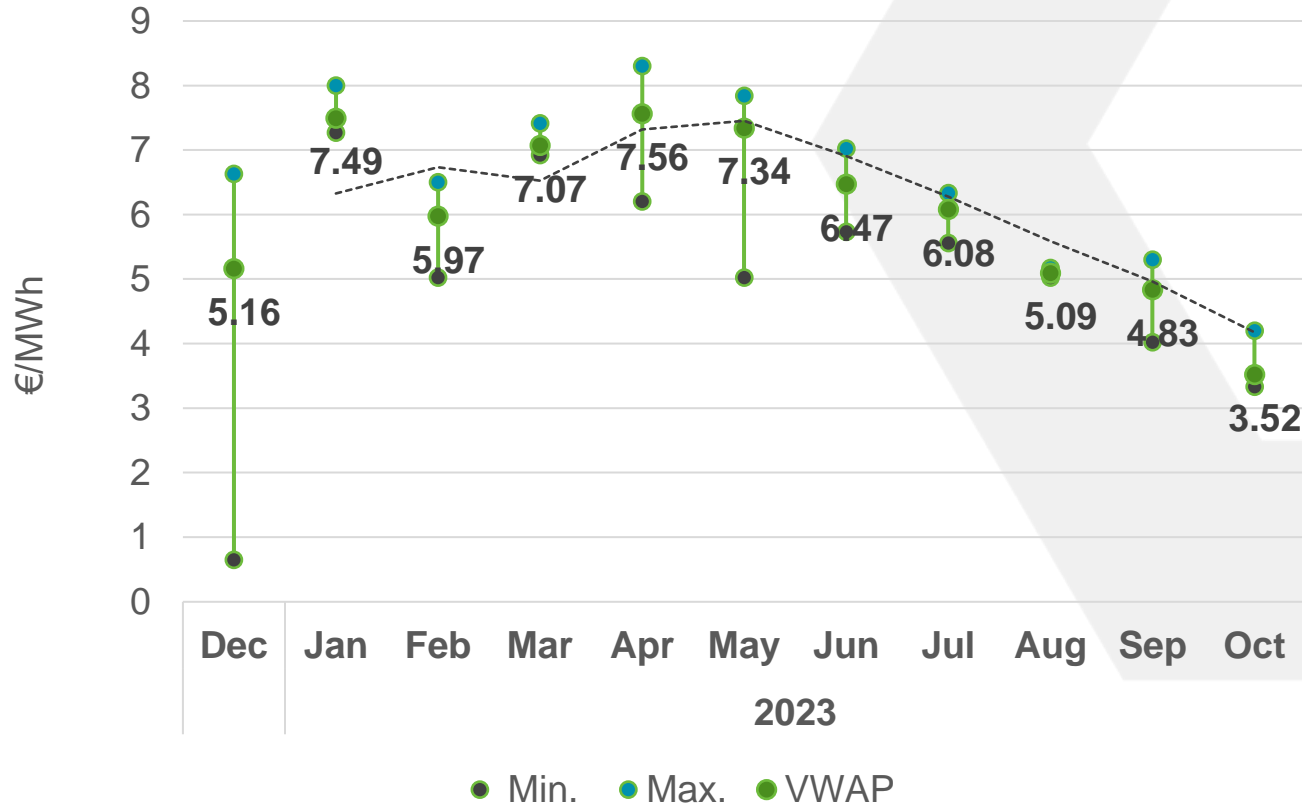
Complex orders are preferred Country, Support type, Production month

- Order preferences are actively used, **70-80% of the orders include more than 1 technology, country and strict commission years**

Number of orders and complex orders on HUPX GO market



Minimum / Maximum / Average prices on the HUPX GO market



High volatility on the GO market also reflected by HUPX GO market

- Last year showed **high volatility regarding GO pricing**
- Hard to price GOs for several market players not optimizing portfolio on a daily basis
- **All cooperations and services important** that help for all players to price GOs

Admission process

- ▶ **Signature HUPX GO Membership Agreement:** documents available www.hupx.hu
- ▶ **Proof of GO Registry Account:** via any AIB country
- ▶ **No entrance fees**
- ▶ **No need for clearing house contract**
- ▶ **No need for special license**

Contact us

- ▶ **Sales:** membership@hupx.hu
- ▶ **Average duration of admission: 3 days – 2 weeks**

Fees

- ▶ **Membership fee:** 250 EUR/quarter
- ▶ **Transaction fee:** 0.03 EUR/MWh
- ▶ **Export fee:** 0.0135 EUR/MWh (5 HUF/MWh pass through to MEKH) only to non-MEKH registries
- ▶ **Import fee:** 0.027 EUR/MWh (10 HUF/MWh pass through to MEKH) only from non-MEKH registries



**THANK YOU FOR THE
ATTENTION**

