

## ceegex

CENTRAL EASTERN EUROPEAN GAS EXCHANGE





## ENERGY BUSINESS MOTION

Your partners in energy trading from Budapest

**JULY 2023** 

## **OUR COMPANIES**







## **MILESTONES**

2010 **HUPX DAM** 2011 **HUPX PHF** 2013 **CEEGEX** 2014 4M MC GoLive 2016 **HUPX IDM** 2016 **CEEGEX Within-Day** 2018 **HUDEX** 2019 XBID GoLive 2021 Interim Coupling GoLive 2022 Core FB MC GoLive

2022

GO Market go-live

### **ADVANTAGES**

1 ADMINISTRATION

Scheduling, invoicing

2 HIGH LIQUIDITY

3 IT SOLUTION compatibility with other exchanges

MARKET COUPLING optimal utilization of cross border links

5 CENTRAL
CLEARING HOUSE
financial security for
all transactions

REMIT REPORTING

NON-DISCRIMINATIVE TRADING

INDICATIVE REFERENCE PRICE

**SETTLEMENT SERVICES** 

UTILIZATION OF MARKET RESOURCES

### **OUR PRODUCTS**

- Spot&Futures
- Power&Gas
- Guarantees of origin products are tradable within one company group, discounts available for being a member on all markets



## **HUPX**

The Hungarian Power Exchange

HUPX Ltd. is the operator of the organized Hungarian spot power market with leading position in Central and Eastern Europe. HUPX is licenced as a NEMO (Nominated Electricity Market Operator) by the National Regulatory Authority of Hungary (MEKH). The core activity of HUPX – providing reference price and exchange trading platform - is effectively contributing to the development of the Hungarian electricity market.



### **HUPX MANAGEMENT**



DR. MÁTYÁS VAJTA CEO, HUPX CHAIRMAN OF SUPERVISORY BOARD, CEEGEX

### **COOPERATION AND TEAMWORK**

"I think that the key factor of success is to find and agree on our common goals and create the atmosphere of trust. This is how I intend to cooperate with our partners and stakeholders as well."



**GYÖRGY ISTVÁNFFY** 



IMRE PÉTER KERTÉSZ DIRECTOR OF HUPX MARKETS HEAD OF MARKET OPERATIONS AND MARKET SURVEILLANCE



MÁRTON GÁBOR KÁDÁR **HEAD OF SALES AND BUSINESS DEVELOPMENT** 



DR. NOÉMI UJJADY **HEAD OF LEGAL AND** COMPLIANCE



MÁRK CSÁSZÁR CFO AND HEAD OF **ADMINISTRATION** 

# HUPX POWER DAY-AHEAD MARKET

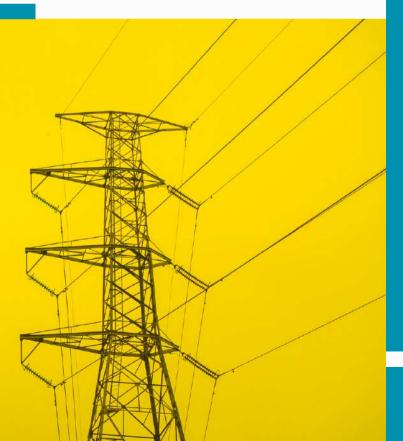
Market coupling, and the continuous development of the HUPX Dayahead Market have increased the interest towards organized electricity trading in Hungary. This is visible in the continuously growing trading volumes.

Part of the

fully coupled

European Day-ahead market

## OUR MOST MATURE MARKET



## **WE OFFER**

DAILY AUCTION
THROUGH THE YEAR

MARKET COUPLING
part of SDAC
part of Core Flow-Based MC

#### **PRODUCTS**

hourly and block

#### **GATE CLOSURE**

12:00 am CET

#### LIQUID MARKET

with a high number of active trading participants

## HUPX DAY-AHEAD MARKET MEMBERS



Vitol

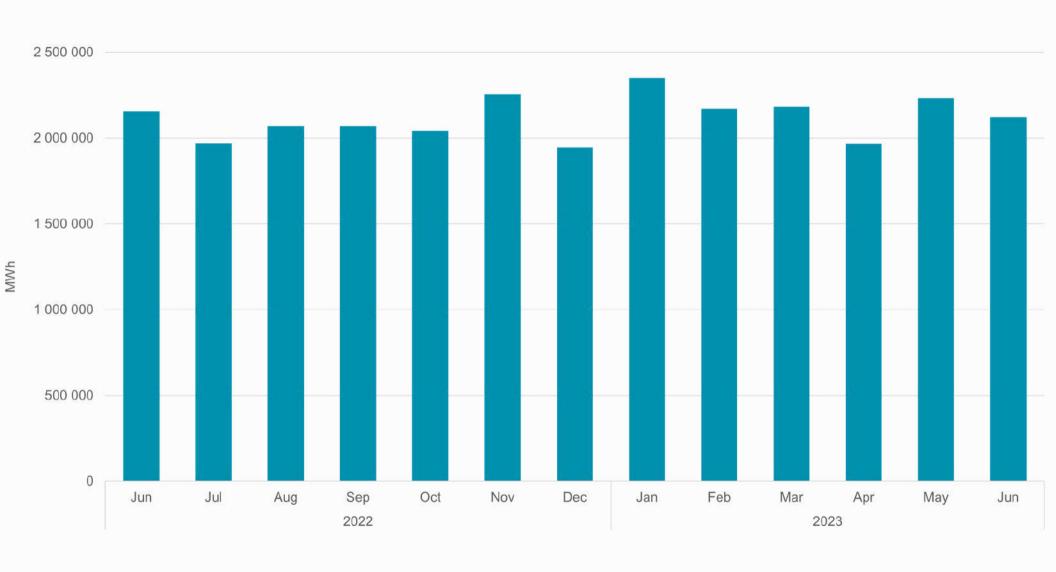
73 MEMBERS

WATT+VOLT

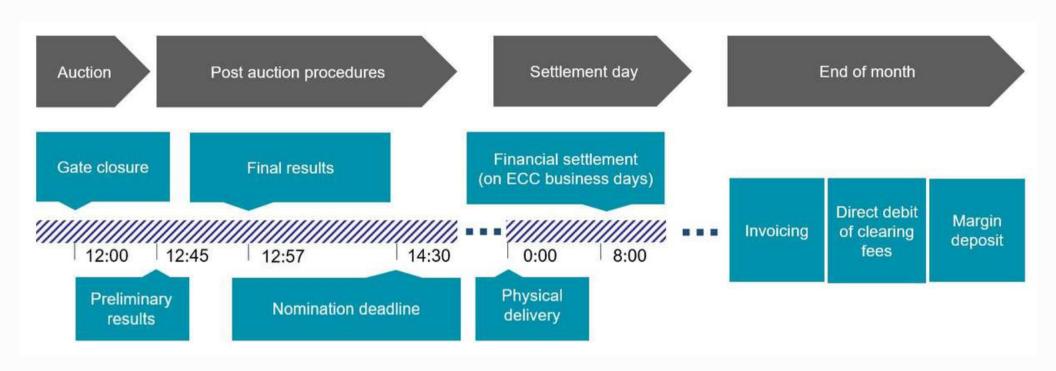
**Trailstone** 

per VATTENFALL • Verbund

## HUPX DAY-AHEAD MARKET VOLUMES



# DAY-AHEAD TRADING PROCESS



### **ACHIEVEMENTS**

EUROPEAN SINGLE INTRADAY COUPLING PROJECT (SIDC):

Hungary joined in the 2nd wave in November of 2019, resulting in increasing number of members, record breaking volumes and significant liquidity.

#### **TOTAL TRADED VOLUMES:**

**2020:** 1 126 GWh (+623% to 2019)

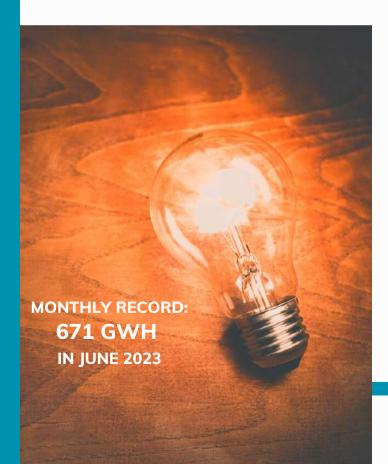
**2021:** 2 529 GWh (+125% to 2020)

**2022:** 4 319 GWh (+71% to 2021)

## AUTOTRADER SOLUTIONS AVAILABLE FOR INTRADAY TRADING:

- Trayport VisoTech GmbH with Periotheus;
- PowerBot GmbH with PowerBot;
- Likron GmbH with Likron Automatic Execution Service

Our continuous market with shortest 15 minutes lead time



# HUPX POWER INTRADAY MARKET

- HUPX Intraday Market provides more opportunities for its
   Members to reduce their need for imbalance energy, to optimize power generation closer in time to delivery and to manage forecast errors or unforeseen power plant outages
- Trading System: Deutsche Börse
   M7 trading platform
- Cross border trading for 60 and
   15 minutes contracts and blocks
- OTC (Over-the-counter) clearing registration for local products
- Trading is possible through trading platform and API

## **HUPX INTRADAY MARKET MEMBERS**









































































































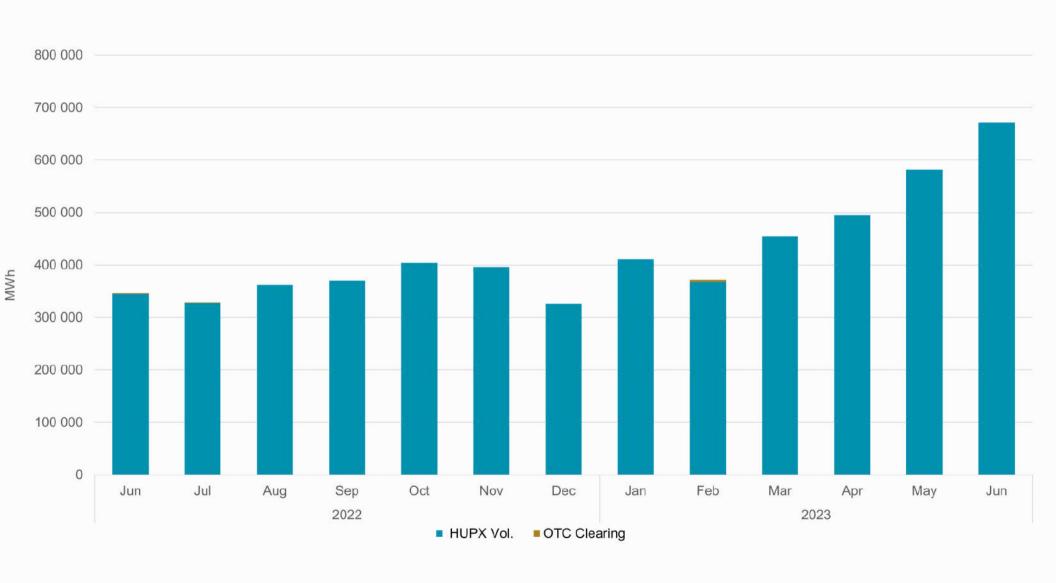








## HUPX INTRADAY MARKET VOLUMES



## **INTRADAY TRADING PROCESS**

#### **NON-STOP TRADING**

- 24/7, all year round
- With IT and operational support

#### ORDER BOOK OPENING

- Trading session opens D-1 at 15:00
- 96 quarterly contracts
- 24 hourly contracts and blocks
- Cross-border ATCs available from D-1 22:00

#### PRE-TRADE FINANCIAL LIMIT

- Limit set by the Clearing Members of the traders through ECC (European Commodity Clearing)
- Possibility of changing the available limit on a daily basis
- Daily limit reset at 16:00 CET on ECC business days
- Positions accumulate on Weekends and Holidays until booking cut with financial settlement (next business day)





### **HUPX PROJECTS**

#### **DAY-AHEAD MARKET:**

- The flow-based implicit allocation has been implemented for the Core Capacity Calculation Region in the framework of the Core Flow-Based Market Coupling Project in June 2022
- •The Hungarian-Slovenian interconnector entered into operation in June 2022

## INTRADAY

**SIDC** 

#### 2024 Q2:

## INTRADAY AUCTION MARKET (IDA)

- Intraday auction based EU market coupling
- Three IDAs per day in parallel with Intraday continuous market

# SDAC CORE FB MC

2025 Q1:

(planned go-live)

**15-MIN PRODUCT** 

#### **INTRADAY MARKET:**

SINGLE INTRADAY COUPLING (SIDC) PROJECT:

- 2019 November: Hungary joined in the 2nd wave
- 2021 September: the 3rd wave with Italy's joining took place
- 2022 June: the Hungarian-Slovenian interconnector entered into operation
- 2022 November: integrating Slovakia and Greece into the SIDC



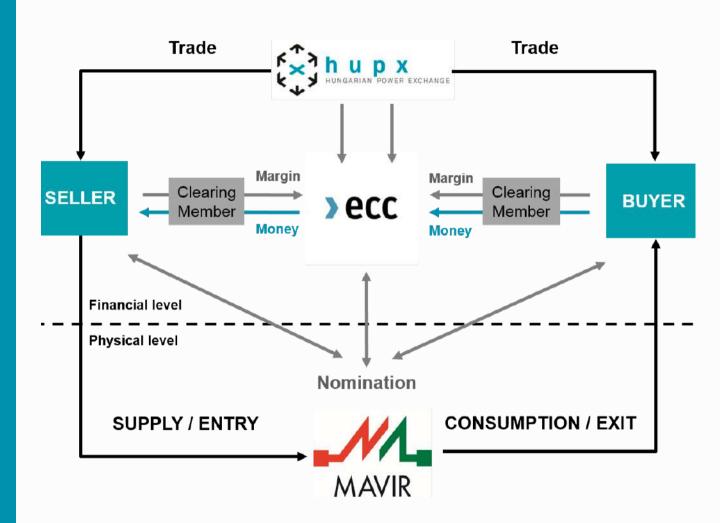
### **ECC**

ECC ensures financial security for all transactions by acting as a central counterparty between buyers and sellers and by setting up guarantee mechanisms such as security requirements. This way counterparty risk is eliminated.

Energy trading companies become Nonclearing members of ECC and the Clearing Members, which are banks being responsible for account maintenance and settlements. Clearing rules are described in ECC Clearing Conditions.

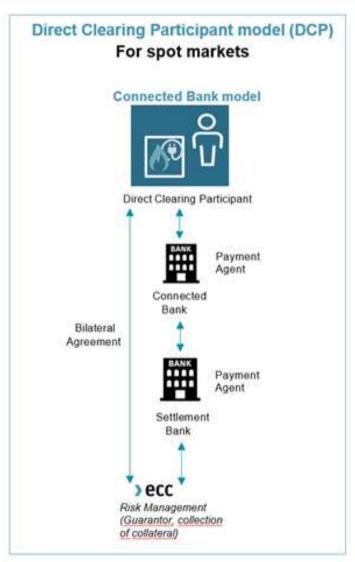
ECC nominates all transactions to MAVIR, who is then responsible for the physical settlement.

## CLEARING AND SETTLEMENT



### **CLEARING OPTIONS**





### **DIFFERENCES**

#### **NON-CLEARING MEMBER (NCMS):**

- companies without a clearing license
- takes part in clearing as clients of a Clearing Member
- for the transactions to be cleared, the NCM has to contact a CM of his choice

#### DCP CLEARING MEMBER:

- has a DCP clearing license, provided by ECC
- entitled to clear own spot market transactions
- for the financial settlement of transactions, it has to open a settlement account at a Settlement Bank of his choice

For more information, please visit the website of ECC: https://www.ecc.de/en/access/dcp-clearing-members



#### **SINCE 2022**

#### **TRADING:**

PAY-AS-CLEARED MONTHLY AUCTION

#### **SELLERS/BUYERS:**

ANYONE HAVING GO REGISTRY ACCOUNT VIA MEKH (HUNGARY) OR VIA OTHER AIB MEMBER

#### **AVAILABLE COUNTRIES:**

HUNGARY AND OTHER AIB COUNTRIES

# FIRST PAN-EUROPEAN GO MARKET

#### **AVAILABLE TECHNOLOGIES:**

- BIOGAS
- BIOMASS
- GEOTHERMAL
- HYDRO
- LANDFILL GAS
- SOLAR
- WASTE
- WIND
- ANY OTHER EECS COMPLIANT TECHNOLOGY

#### PREFERENCE HANDLING VIA:

- TECHNOLOGY
- PRODUCTION MONTH
- COMMISSION DATE
- COUNTRY
- SUPPORT TYPE



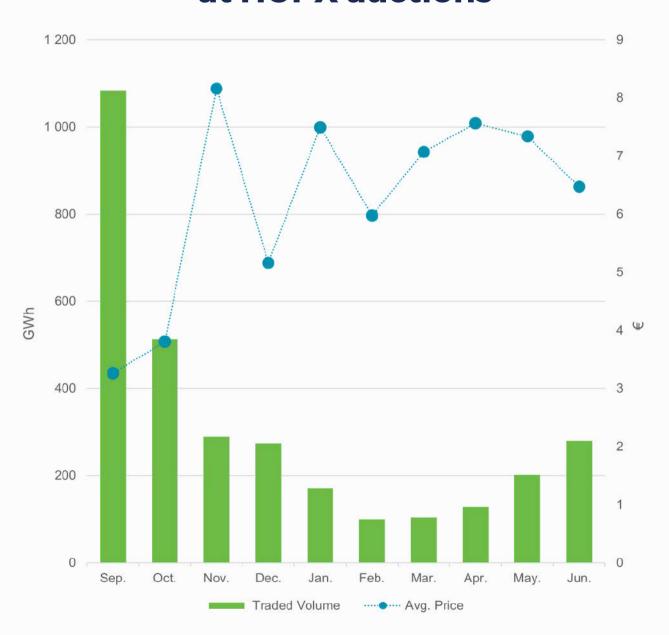
### **WHY HUPX?**

- Self clearing via HUPX
- Guaranteed delivery via Collaterals
- Several days for collateral placement
- Automated invoicing
- Single clearing price
- Quick transactions
- Primary FiT GOs available

## **GO MARKET RESULTS**



## Traded volumes and prices of GOs at HUPX auctions



## 3971 GWh

GOs traded since September '22

## **6.47 EUR/MWh**

Last AIB average price

## 6 048 GWH

Total amount of deposited GOs

## 77 MEUR

Total value of financial deposit

## GO MARKET MEMBERS



















































































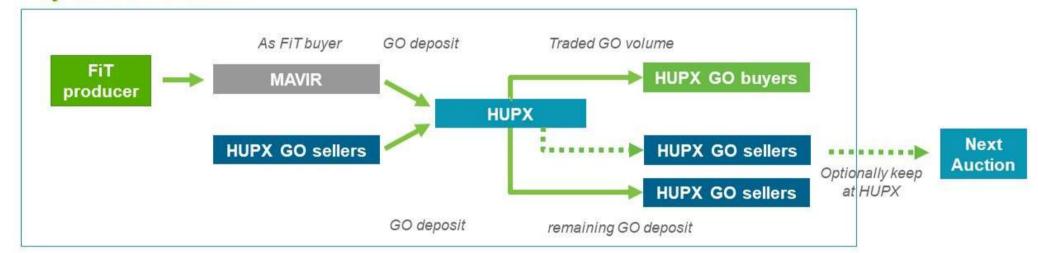


## **44 MEMBERS**

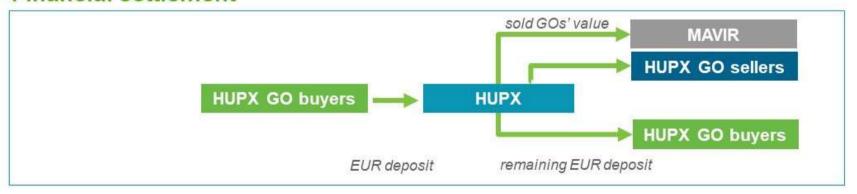
## GO CLEARING AND SETTLEMENT



#### Physical settlement



#### Financial settlement



## **GO MARKET FEES**



Fixed fees		
Entrance fee	0 € + VAT	
Membership fee	250 € + VAT / quarter	
System fee	0 € + VAT / quarter	
Additional user	0 € + VAT / quarter	
Transaction fees		
Transaction fee	0.03 € / MWh + VAT	
Export fee for transferring GO to a Registry Account managed by an AIB Member, which is not the Supervisory Authority (export from Hungary)	0.0135 € / MWh + VAT	
Import fee for transferring GO from a Registry Account managed by an AIB Member, which is not the Supervisory Authority (import to Hungary)	0.027 € / MWh + VAT	

## **CEEGEX**

The Central Eastern
European Gas Exchange

CEEGEX as the organized market place for the Hungarian MGP, operates a liquid regional gas market that is in line with the leading international practices, offers safe, trustworthy and long-term solutions for its partners while utilizing the available infrastructure and providing cooperation opportunities in the Central and Eastern European region.



## CEEGEX MANAGEMENT



DÁNIEL GARAI

### **EMERGING AHEAD**

"I am proud to present CEEGEX as an emerging hub, with steadily growing volumes and liquidity and a source of knowledge too. Looking ahead, our aim is to further improve our market and exploit Hungary's unique geographical capabilities to become a significant reference hub for our region."



RÓBERT SZŐKE
HEAD OF MARKET
OPERATIONS AND
MARKET SURVEILLANCE



LÁSZLÓ PINTÉR MARKET AND BUSINESS DEVELOPMENT TEAMLEADER



MÁRTON GÁBOR KÁDÁR HEAD OF SALES



DR. NOÉMI UJJADY HEAD OF LEGAL AND COMPLIANCE



MÁRK CSÁSZÁR CHIEF FINANCIAL OFFICER

## **WE OFFER**

- Physical Within-day and Day-ahead Market
- Trading on Hungarian Virtual Point (MGP) and on locational points
- Trayport GlobalVision system
- Continuous trading session 24/7
- Continuous bid-ask prices provided by market makers

The second biggest spot exchange in the region



## **PRIDES**

**INCREASING LIQUIDITY** reaching 20-30 TWh yearly volume

PRE-TRADE LIMIT CHECK

**47 MEMBERS** 

from France to Greece covering CEE countries

EXTENDED TRADABILITY OF SPOT GAS PRODUCTS

**EMERGING HUB** 

classification of ACER in 2020

FLEXIBLE FEE STRUCTURE

with tradeable entrance fee, monthly expost invoicing, flexible fee packages

**DEVELOPED PRICE INDEX** 

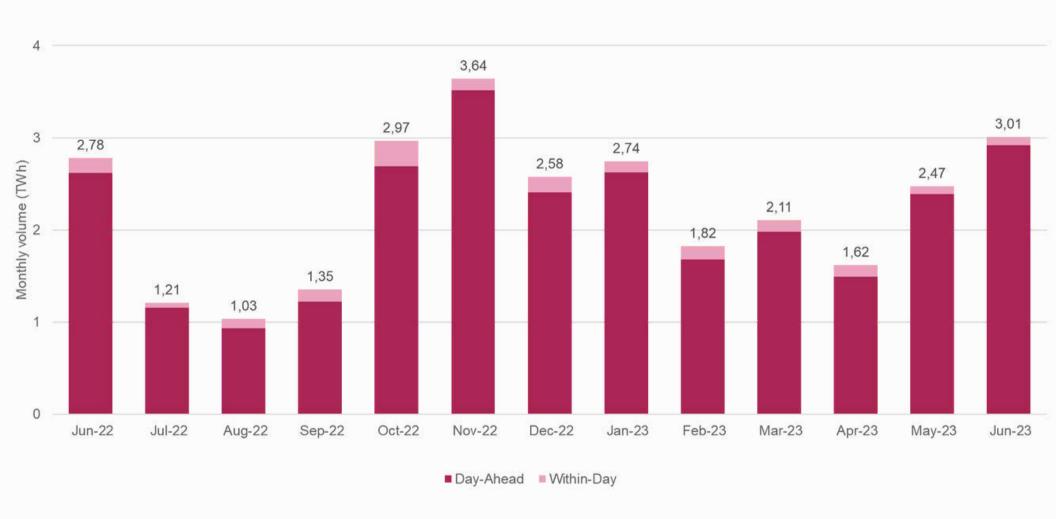
CEEREP is calculated on the basis of EOD prices

## **CEEGEX MEMBERS**



## **47 MEMBERS**

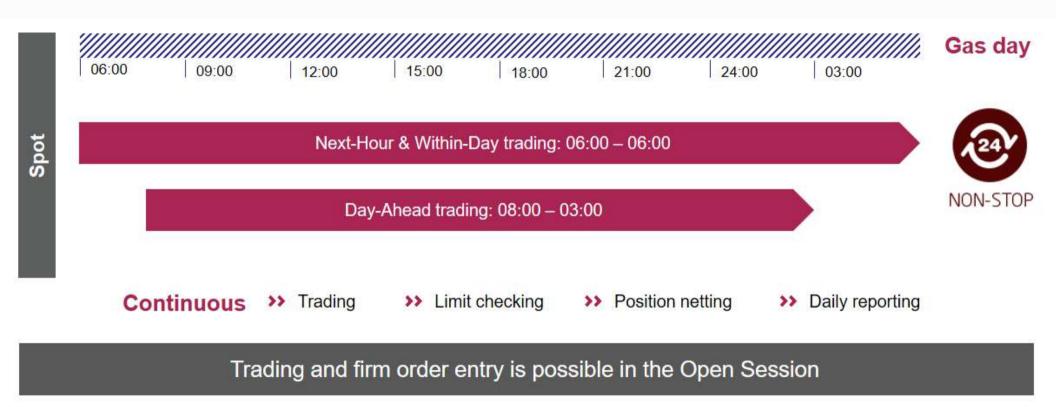
## **CEEGEX TRADED VOLUMES**



## CEGH - TTF - CEEGEX DAY-AHEAD PRICES



# DAILY OPERATIONS OF CEEGEX MARKETS



### **KELER CCP**

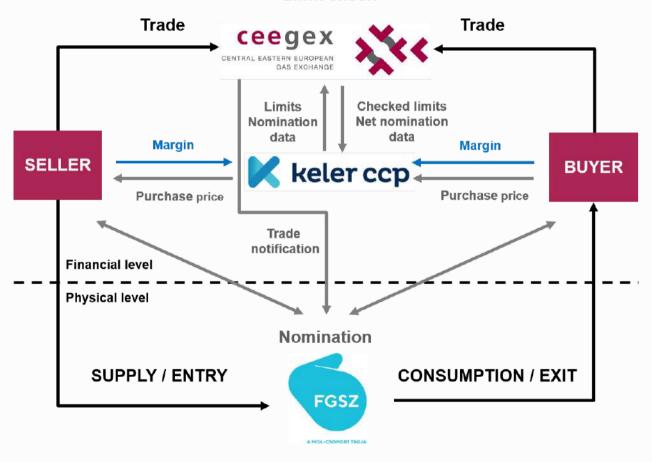
KELER CCP ensures financial security for all transactions by acting as a central counterparty between buyers and sellers and by setting up guarantee mechanisms such as security requirements. This way counterparty risk is eliminated.

Energy trading companies become Clearing members of KELER CCP and they open their bank account at KELER to conduct the daily financial transactions. Clearing rules are described in KELER CCP General Business Rules.

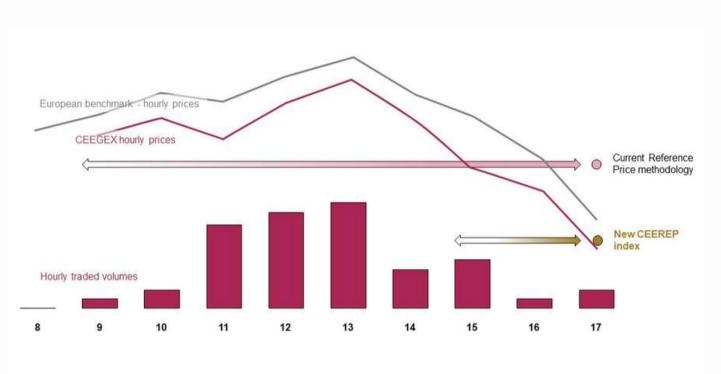
CEEGEX nominates all transactions to FGSZ, who is then responsible for the physical settlement.

## CLEARING AND SETTLEMENT

#### Nomination/position netting Limit check



## **CEEREP, THE NEW INDEX**



- based on end-of-day (EOD) market price
- reflects the true value of the Hungarian Virtual Point (MGP)
- comparable to European natural gas EOD indices
- increases usability compared to the previous MGP prices

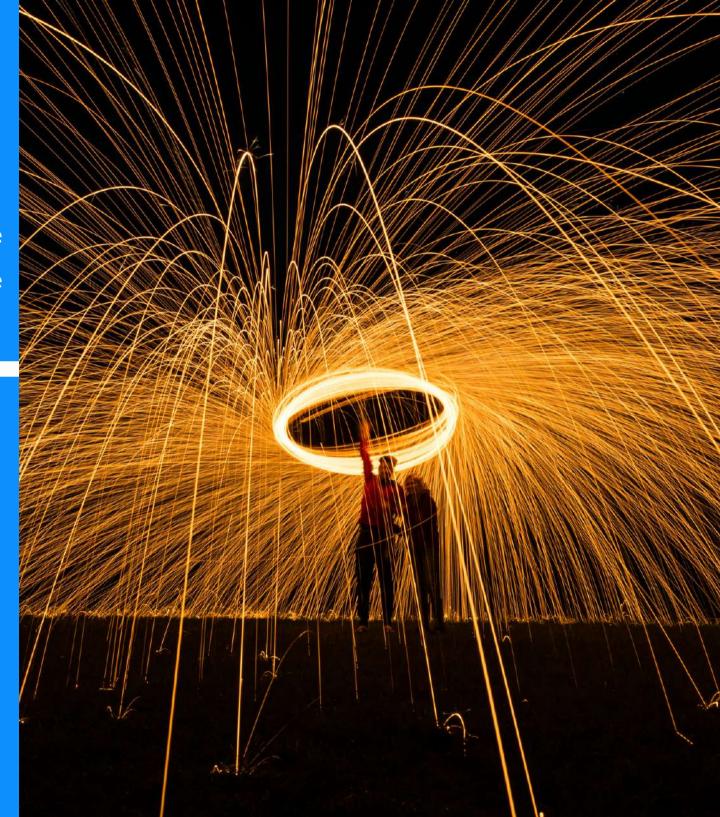
See on the CEEGEX website after 5:30 p.m. every business day: www.ceegex.hu



## **HUDEX**

Hungarian Derivative Energy Exchange

HUDEX started its operation in 2018 as a MiFID II regulated market (financial exchange) with a power and natural gas market segment, where Hungarian power and natural gas future products are traded at one place, with one membership, with optional physical delivery for power products and mandatory physical delivery for natural gas products.



## HUDEX MANAGEMENT



GYÖRGY ISTVÁNFFY CEO OF HUDEX

## **FUTURE OF OUR FUTURES?**

"Our opportunities lay in being located in a market area with a growing relevance due to regional infrastructural developments. Our goal is to facilitate a liquid, functioning North-South gas corridor, and to continue serving as reference price provider in the so-called HUPX region, which includes Hungary and South Eastern Europe."



RÓBERT SZŐKE HEAD OF MARKET OPERATIONS NATURAL GAS SEGMENT



IMRE PÉTER KERTÉSZ HEAD OF MARKET OPERATIONS POWER SEGMENT



MÁRTON GÁBOR KÁDÁR HEAD OF SALES



DR. NOÉMI UJJADY HEAD OF LEGAL AND COMPLIANCE



MÁRK CSÁSZÁR CHIEF FINANCIAL OFFICER

### **WHY HUDEX?**

#### **FINANCIAL TRADING**

optional physical delivery for Power Products, physical delivery for Gas Products

#### **NO TRANSACTION FEE**

as an initiator on the power sector

GROWING LIQUIDITY AND MARKET MAKERS

**ELIMINATION OF COUNTERPARTY RISK** 

**ANONYM MARKET** 

#### **DISCOUNTS**

for being a member on all markets

## 2 IN 1

Hungarian Power and Gas
contracts under one
HUDEX membership

### **ACHIEVEMENTS**

- New financial products on HUDEX power segment:
  - o baseload day product,
  - baseload weekend product
- New financial products on HUDEX gas segment:
  - BoM (balance of month),
  - Seasonal, Yearly products
- STP (Straight Through Processing) for the clearing registration of OTC trades on Power Segment



## **HUDEX MEMBERS**

Power Gas





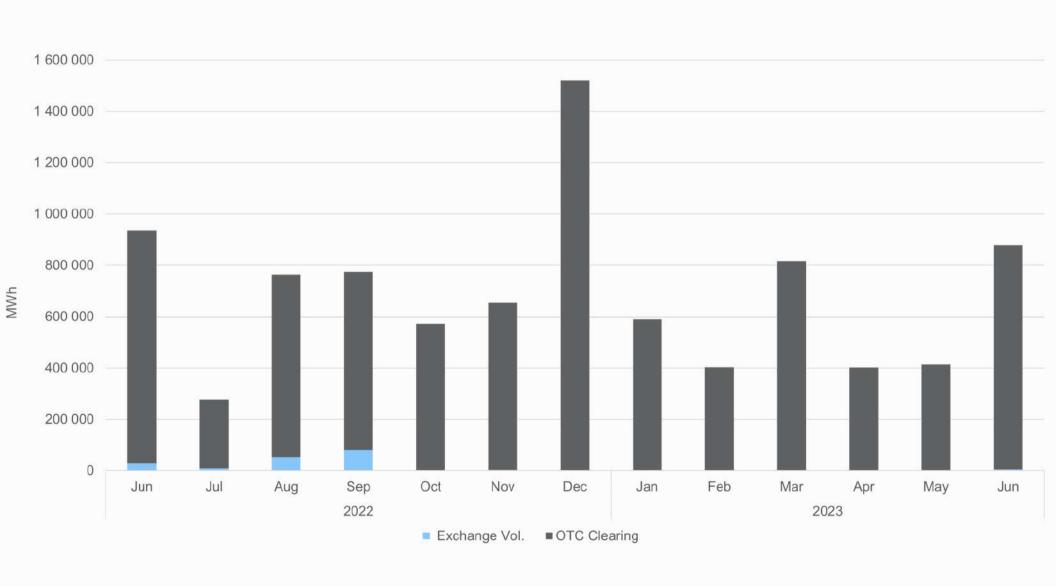




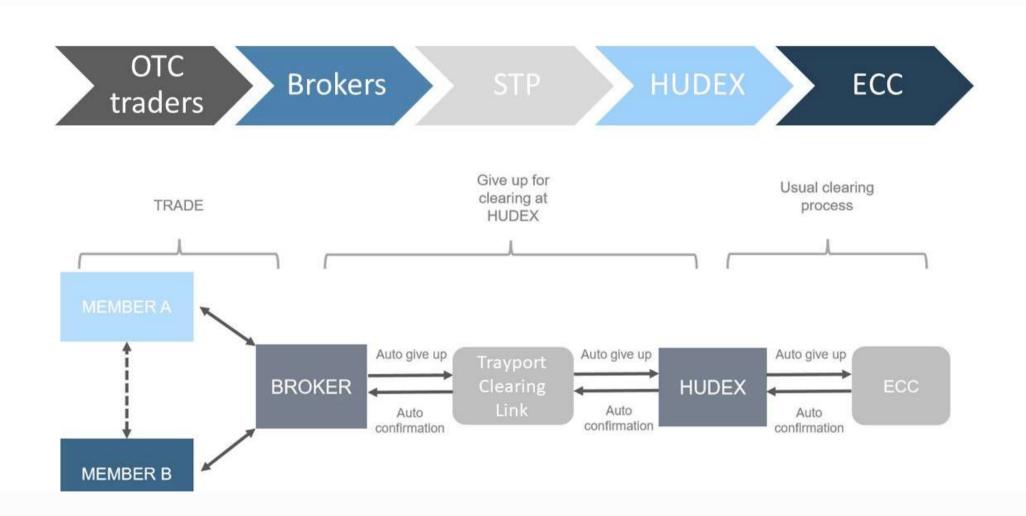
**44 MEMBERS** 



## HUDEX POWER -TRADED VOLUMES



# STRAIGHT THROUGH PROCESSING



SOON AVAILABLE ON HUDEX GAS TOO VIA KELER CCP!

# ADVANTAGES OF HUDEX EFF



#### STP in place

Straigh Trough Processing
Quick, Efficient
No mails & calls
Reliable broker partners:

- TFS
- 42FS
- ARRACO
- Griffin
- ICAP



#### HUDEX OTC Transaction fees from 0,005€/MWh

Up to 66% CHEAPER

>500 GWh → 0,005

200-500GWh → 0.007

<200 GWh → 0,010

OTC-only trader: Free of charge



PHYSICAL DELIVERY

#### Optional physical delivery on HUPX DAM

Y, Q, M, W contracts

Monthly or weekly basis

Request: Webtool

Confirmation: ETS

Lowest delivery fees



## ECC clearing in place

No counter party risk

Collaterals in place

Cross margining with

other markets

All in one

### **ECC**

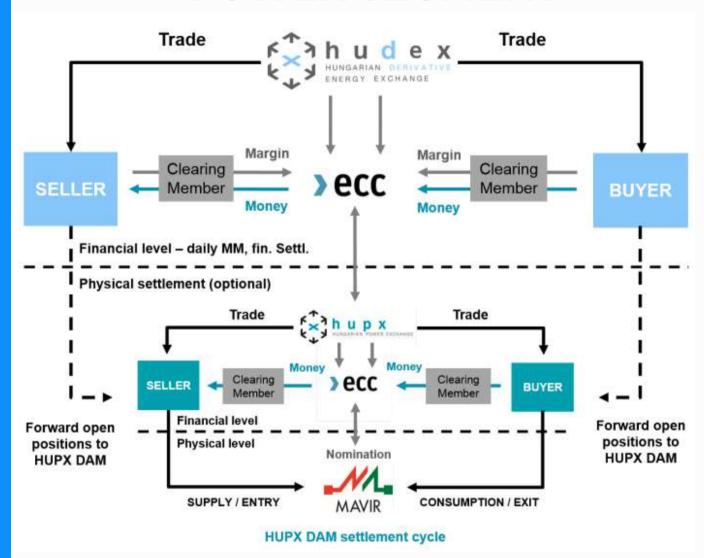
On HUDEX Power segment all transactions are centrally cleared by the European Commodity Clearing AG.

Financial settlement referenced to HUPX Day-Ahead Market index. HUDEX offers optional physical delivery (weekly and monthly contracts) through the HUPX Day-Ahead Market.

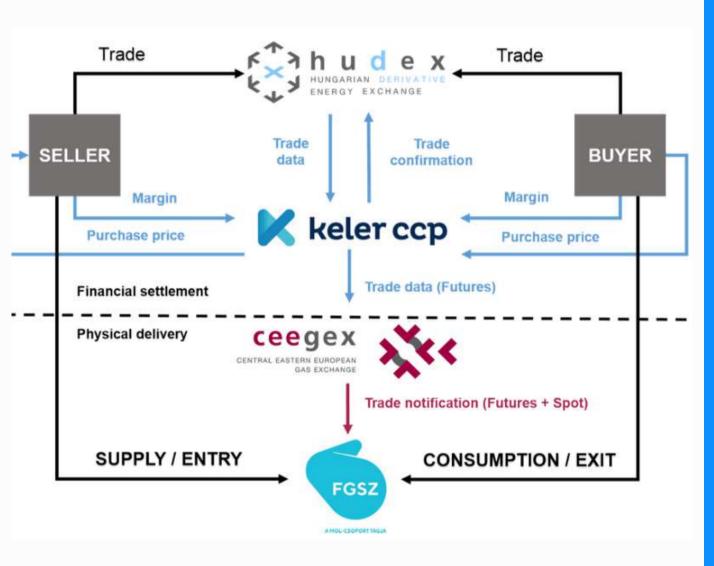
The clearing house of HUPX DAM is ECC AG who nominates the net positions to the Hungarian transmission system operator (MAVIR Zrt.) on behalf of HUPX.

Default physical delivery can be requested during the admission process

## CLEARING SYSTEM POWER SEGMENT



## CLEARING SYSTEM GAS SEGMENT



### **KELER CCP**

On HUDEX Gas all transactions are centrally cleared by KELER CCP Ltd.

KELER CCP ensures financial security for all transactions by acting as a central counterparty between buyers and sellers, by setting up and operating a guarantee system through collateral requirements. Clearing rules and conditions are described in KELER CCP's GBRs.

The trade notifications emerging from the positions of the trading participants are sent by CEEGEX to TSO, FGSZ

## DATA SERVICES: INFO USER, DATA VENDOR

Information package	Historical + End of day data (SFTP)	Live (read-only user)
	Info User Package Fees	
IDM U1	600 EUR / year	-
IDM U2	600 EUR / year	3 000 EUR / year / user
DAM U	600 EUR / year	(3)
HUDEX U1	600 EUR / year	( <b>3.</b> )
HUDEX U2	600 EUR / year	4 200 EUR / year / user
CEEGEX U1	600 EUR / year	-
CEEGEX U2	600 EUR / year	4 200 EUR / year / user
	Data Vendor Package Fees	
IDM V1	6 000 EUR / year	(#)
IDM V2	6 000 EUR / year	3 000 EUR / year / user
DAM V	6 000 EUR / year	iat
HUDEX V1	6 000 EUR / year	: <b>:</b> :1
HUDEX V2	6 000 EUR / year	4 200 EUR / year / user
CEEGEX V1	6 000 EUR / year	(4)
CEEGEX V2	6 000 EUR / year	4 200 EUR / year / user

In line with HUPX's transparency policy customers can subscribe to power and gas market data packages available through the SFTP server and readonly access to the trading system (API).

<u>Detailed report</u> <u>specifications are</u> <u>available on our</u> websites.

#### The following discounts are available:

For more information contact: data@hupx.hu

<sup>15%</sup> discount is applied in case of subscribing to 2 Info User Packages or 2 Info Vendor Packages\*

<sup>20%</sup> discount is applied in case of subscribing to 3 Info User Packages or 3 Info Vendor Packages\*

<sup>30%</sup> discount is applied in case of subscribing to 4 Info User Packages or 4 Info Vendor Packages\*

<sup>\*</sup>Discounts apply to each information package subscribed, but do not apply to read-only user fees

## DATA SERVICES: HISTORICAL ID ORDERS AND TRADES

We offer you our historical ID orders and trades, including cca. 40 000 entries on a daily basis, anonymously.

#### To whom?

Besides our existing members we recommend this service to those market participants, especially renewable generators, agrregators, storage operators, who would like to test and simulate the untapped business opportunities available on our intraday market.

#### How does it work?

The one-off data service is provided through an access to our sFTP server and the data will be available for 2 weeks. The service can be ordered on annual or monthly basis from 2020 until today (only for closed months).

#### How to subscribe?

You can easily order the product by filling in a specific order form. Please contact us at: membership@hupx.hu

Data	Fee
IDM Historical Market Data of Orders and Trades for HUPX Members	100 EUR / month*
IDM Historical Market Data of Orders and Trades for non HUPX Members	250 EUR / month*

<sup>\*</sup>Historical Market Data can be requested for yearly basis or for specified monthly timeframe, for a minimum 3-month long period

## **HUPX FEES**

Fix Fees	Day-Ahead DAM	Intraday IDM
Entrance fee	15 000 €	0€
Membership fee (HUPX only) Membership fee (HDX and CX member) Membership fee (HDX member)	1 050 €/month 925 €/month 800 €/month	0 €
System fee	550 €/month*	666 €/month**
Additional user / "read-only" user fee	250 €/month	250 €/month
Additional portfolio fee	250 €/month	₩.
API function fee (regardless of the number of users connected API)	-	166 €/month
Test user with API functionality	2	2 000 €/ 1 year***
Variable Fees	DAM	IDM
Standard transaction fee	0.07 €/MWh	0.10 <b>€/M</b> Wh
OTC Clearing registration fee	-	0.10 €/MWh
Delivery fee for power products from HUDEX positions	0.03 €/MWh	. <b>.</b>

<sup>\*</sup>HUPX DAM Trading System standard access is provided with two (2) users and two (2) portfolios. 
\*\*HUPX IDM Trading System standard access is provided with two (2) users.

<sup>\*\*\*</sup>Included in System Fee for HUPX IDM Members

## **CEEGEX FEES**

Fix Fees	Classic	Flexible
Entrance fee*	15 000€	7 000 €
Membership fee (CEEGEX only) Membership fee (HUDEX and HUPX member) Membership fee (HUDEX member)	1 000 €/month 875 €/month 750 €/month	166 €/month 41 €/month 0 €/ month
System fee**	833 €/month	833 €/month
Additional user / "read-only" user fee	500 €/month	500 €/month
Fee for permanent extension of a HUDEX user or "read-only" user extended to the CEEGEX Spot market***	150 €/month	150€/month
Test user with or without API functionality	166 €/month	166 €/month
Variable Fees	Classic	Flexible
Virtual Contracts Transaction Fee		
for the Next-Hour product	0.02 €/MWh	0.09 €/MWh
for the Within-Day product	0.02€/MWh	0.09€/MWh
for the Day-Ahead product	0.01 €/MWh	0.09 €/MWh
Locational Contracts Transaction Fee		
for the Next-Hour, Within-Day, Day-Ahead product	0.04 €/MWh	0.12 €/MWh

<sup>\*</sup>ENTRANCE FEE IS TRADEABLE IN THE FIRST 365 DAYS AFTER ADMISSION. THE PAYMENT DEADLINE OF THE ENTRANCE FEE FOR FLEXIBLE TARIFF PACKAGE IS 365 DAYS AND THE PAYMENT DEADLINE OF THE ENTRANCE FEE FOR CLASSIC TARIFF PACKAGE IS 90 DAYS.

\*\*CEEGEX TRADING SYSTEM STANDARD ACCESS IS PROVIDED WITH ONE (1) TRADING ACCOUNT AND ONE (1) API DOWNSTREAM ACCOUNT

<sup>\*\*\*</sup> THE PERMANENT EXTENSION LASTS UNTIL THE USER IS VALID ON HUDEX MARKET.

## **HUDEX FEES**

HUDEX Fixed Fees	
Entrance fee	0€
Membership fee	750 € /Quarter
System fees (Trayport Global <u>VisionSM</u> )*	2 250 € / Quarter
Additional "trader" / "read-only" user for HUDEX markets only	1 050 € / Quarter
Fee for permanent** extension of a CEEGEX user to the HUDEX Market Segments as "trader"/ "read only" ***	0€
OTC-only user	0€
HUDEX Transaction fees	
Initiator side HUDEX power products	0 € / MWh
Aggressor side HUDEX power products	0.025 € /MWh
Transaction fees of HUDEX natural gas products to virtual point except Balance of Month products	0.003 € /MWh
Transaction fees of HUDEX natural gas Balance of Month product to virtual point	0.01 € /MWh
OTC clearing registration	0.01 € /MWh
Delivery fee for power products (to be paid for HUPX)	0.03 € /MWh

<sup>\*</sup> THE STANDARD ACCESS TO TRAYPORT TRADING SYSTEM ENCOMPASSES ONE (1) USER. \*\* THE PERMANENT EXTENSION LASTS UNTIL THE USER IS VALID ON CEEGEX MARKET.

<sup>\*\*\*</sup> THE EXTENSION OF A USER AS "TRADER" CAN ONLY BE REQUESTED TO THE MARKET SEGMENTS OF HUDEX, WHERE THE COMPANY IS HUDEX MEMBER AND FOR THE PERSON WHO WAS REGISTERED AS TRADER ON THE RELEVANT MARKET SEGMENT ACCORDING TO HUDEX RULES AND REGULATIONS.

#### **PRECONDITIONS**

- Electricity or gas trading license\* / Investment Firm license (HUDEX) / Certification of competence (KYC)
- Balancing group Agreement with MAVIR for Power
- Network usage Framework contract with FGSZ for Gas
- Clearing Membership Agreement (ECC / KELER) and pledge of collaterals required by them
- HUPX / CEEGEX / HUDEX Trader Certificate\*\*
- Trading system test (HUDEX)

## HOW TO BECOME A MEMBER



#### **PROCESS**

- 1. SUBMISSION OF THE DOCUMENTS
- Forms
- Supporting documents

#### 2. CHECK & APPROVAL

- The documents are checked by HUPX / CEEGEX / HUDEX and ECC / KELER
- Approval as an Exchange Member of HUPX / CEEGEX / HUDEX

#### 3. ADMISSION

- Connections to the Trading System
- Go-live

\*Or other license stated in the relevant Market Rules. \*\*For HUPX Spot, EPEX Spot trader exams are accepted.







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