

A blurred background image showing two women in business attire. One woman is wearing a red blazer and a dark skirt, while the other is wearing a dark, patterned dress. They appear to be in a meeting, looking at a document together. The scene is set in a modern office with large windows and contemporary decor, including a large, dark, circular wall sculpture in the foreground.

# The role of trading in a hydrogen and power fuel system

# Why do we need trading markets for H2 and power fuels?

## TRANSPARENCY

Already in phase of market ramp up:

Price transparency

Transparency on traded volumes

## INTEGRATION

Integration of participants from various sectors

Integration of power, CO<sub>2</sub>, H<sub>2</sub>, fuels, GO, gas markets through market prices

Integration of imported H2 and fuels

## ACCESS

Non-discriminatory access to H2 and fuel production through any transport infrastructure

Production and consumption of H2 / fuels where conditions are favourable

## SECURITY

Physical supply through (early) spot markets

Long-term hedging through derivative markets

Counterparty risk management

## EUROPE AS GLOBAL HUB FOR HYDROGEN AND POWER FUELS

Transparent trading markets integrate global hydrogen and fuel production and are likely to develop global attraction

# What do we need for the development of trading markets?

- Clear standards for certificates – ideally globally accepted
- Clear physical quality standards of the respective energy carrier
- Clear trading and balancing rules – particular for gridbound energy carriers such as H2 in a H2-grid
- Non-discriminatory access to transport infrastructure – needs to be regulated where there is a natural monopoly
- Use physical needs of infrastructure operators to ramp up liquidity - exhibit: European Natural gas markets

# What does EEX do in H2?

## Community building and Transparency

### **EEX H2 WORKING GROUP**

- Build up swarm intelligence for market development for H2, in the future potentially for H2-derivatives and/or power fuels
- Open format
- 60 companies

### **HYDRIX**

- EEX H2 Index
- Putting all pieces of the puzzle together to form a valuable and trustworthy price
- First based on contributions and price assessment, later based on liquid spot market
- Will provide price transparency, create trust and basis for investment decisions
- First as H2-indices, derivatives + powerfuels to be considered

Thank you for the attention!

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