

Shaping the global energy transition

H2  Global



Bundesministerium
für Wirtschaft
und Energie

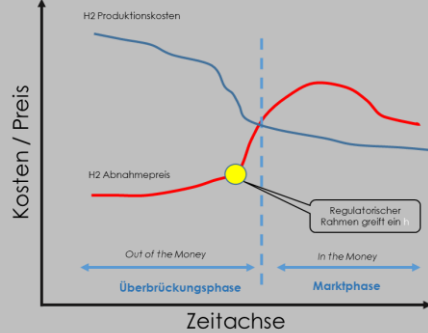
The H2Global Concept

Key points and core elements



Bridging the gap

Immediate creation of a toolbox for market ramp-up bridging the gap until the legal framework takes effect



Well-defined system

Long-term (10-year) purchase agreements
Contribution of €900 million from the economic stimulus package allows for the implementation of 4-5 PtX installations with an electrolysis capacity of 100-150 MW each



Contracts for difference

Compensatory payments in the form of CfDs
Establishment of a PtX intermediary: HINT.CO

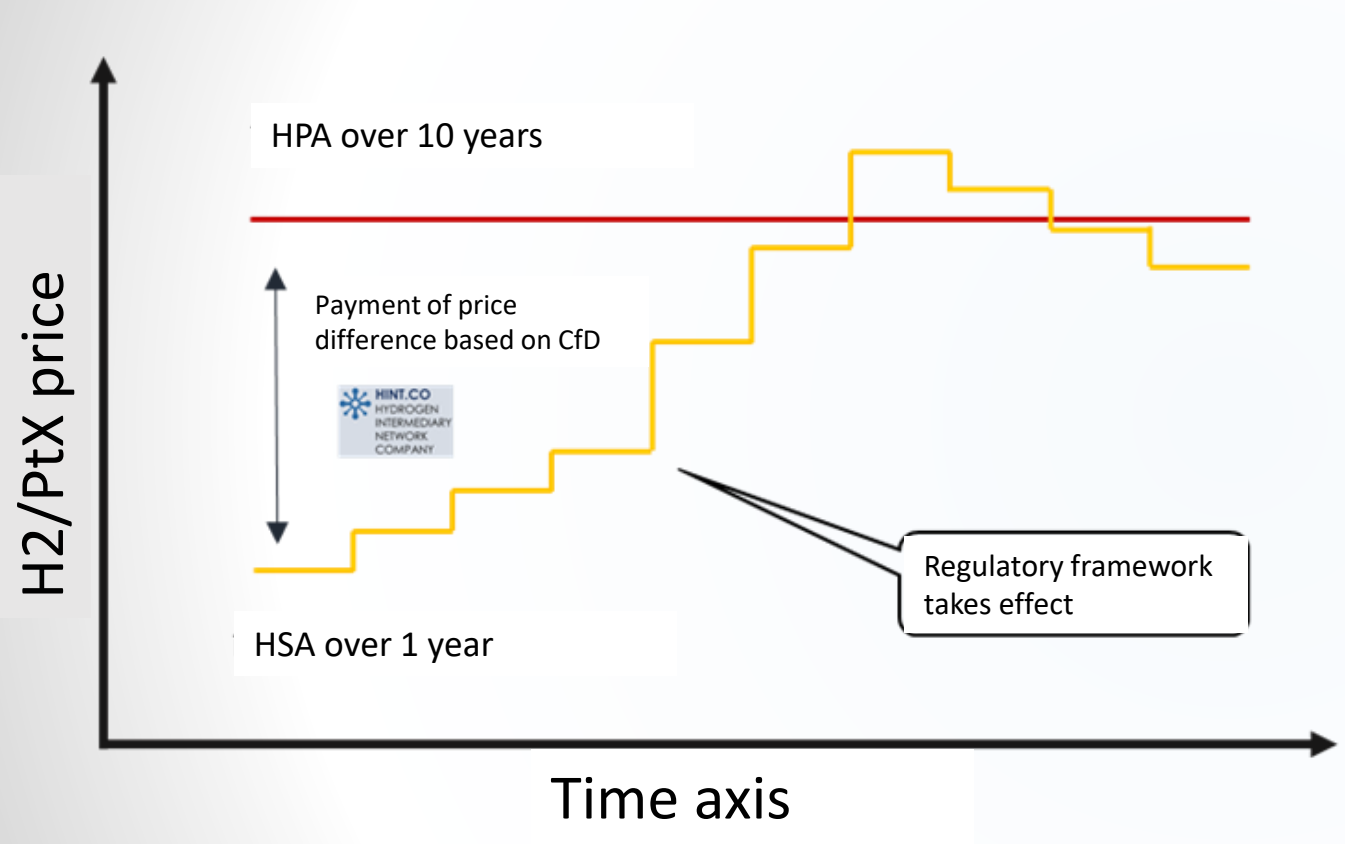



Competition

Auctions (or similar mechanism) on PtX supply and demand side
Setting of competition-based prices on both sides



Schematic representation of the development in differential costs*





Supply side:	Demand side:
Long-term (10-year) auction-based purchase agreements (HPAs) with producers	Short-term sales contracts (HSAs) with purchasers

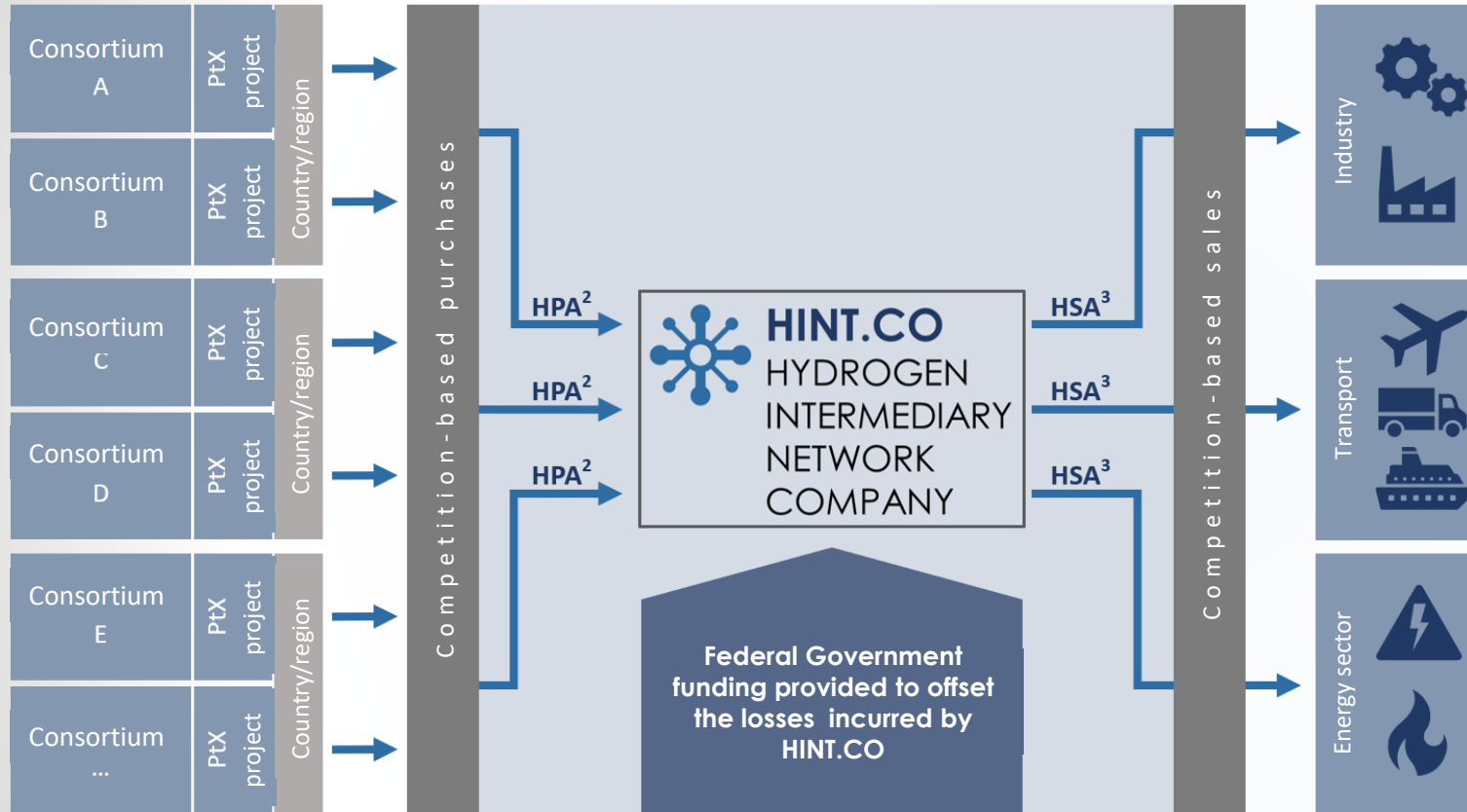
Financing needed by HINT-CO for paying the price difference is reduced over the course of the funding period

*The price difference depends on the development of the actual PtX price. This means that the capital required by HINT-CO depends on the quantities guaranteed to be purchased under the HPA, the negotiated price and the development of the H2 price on the purchaser's side.

HINT-CO as an intermediary

Auctions for buying and selling PtX products under the German legal framework

Overview of the HINT.CO model¹



- HINT.CO serves as a market maker, it buys and sells PtX products
- Long-term (10-year) competition-based purchase agreements (HPAs) with producers
- Short-term (1-2 years), product-specific sales contracts (HSAs) on the demand side
- Federal Government funding provided to offset the losses incurred by HINT.CO
- HINT.CO guarantees availability of PtX supply to final customer

¹ Exemplary representation

² Supply side: 10-year hydrogen purchase agreement (HPA)

³ Demand side: hydrogen service agreement (HSA)

The H2Global Foundation (a legally dependent entity)

Implementation via an industrial-sector foundation

Thyssenkrupp AG	Linde GmbH	VNG Handel & Vertrieb GmbH	Siemens Energy AG	F. Laeisz Gruppe	Deutsche Bank AG
MAN Energy Solutions SE	RWE AG	Uniper SE	Salzgitter AG	Hydrogenious LOHC Technologies GmbH	Viridi RE GmbH
Hamburger Hafen und Logistik AG	Enertrag AG	NEUMAN & ESSER GROUP	FEV Europe GmbH	Nordex SE	Green Enesys Deutschland GmbH

Foundation management organisation

Board of trustees (20 seats)

<u>Private sector (13 seats)</u> Private-sector representatives elected by the Founder's Assembly	<u>Federal Ministries (7 seats)</u> BMW BMU BMZ BMBF BMVI
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FOUNDATION

Executive Board
 Management of the H2Global Advisory

Shareholders of HINT-CO serve as trustees of the foundation

HINT.CO
 HYDROGEN INTERMEDIARY NETWORK COMPANY

↑
SERVICE AGREEMENT
 ↓
 Service partners

Funding

Bundesministerium für Wirtschaft und Energie
 Economic stimulus package: **€900 million**

potential additional funding further opportunities

e.g. BMZ, Australia

For further questions, please feel free to contact:



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