



Shaping the global energy transition

H2Global

December 2021

L'Hydrogène Vert en Algérie
Potentiel et Perspectives

Jeudi, 09 décembre 2021

H2Global
ADVISORY GmbH

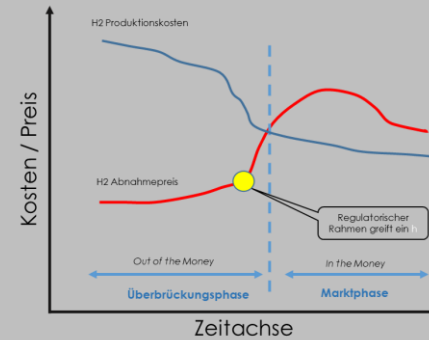
OVERVIEW: TARGETS

Key points and core elements



Bridging

Direct creation of measures regarding the market launch until regulatory framework takes effect



Defined system

Long-term 10-year purchase contracts
900 million euros from the stimulus package enable the realization of 4 - 5 PtX plants with 100 - 150 MW electrolysis capacity each



Contracts for Difference

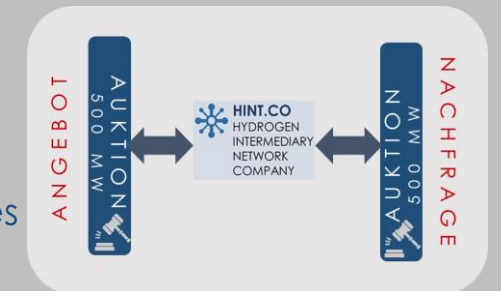
Financial compensation in the form of CfDs

Set up of an PtX intermediary: the HINT.CO



Auction-based

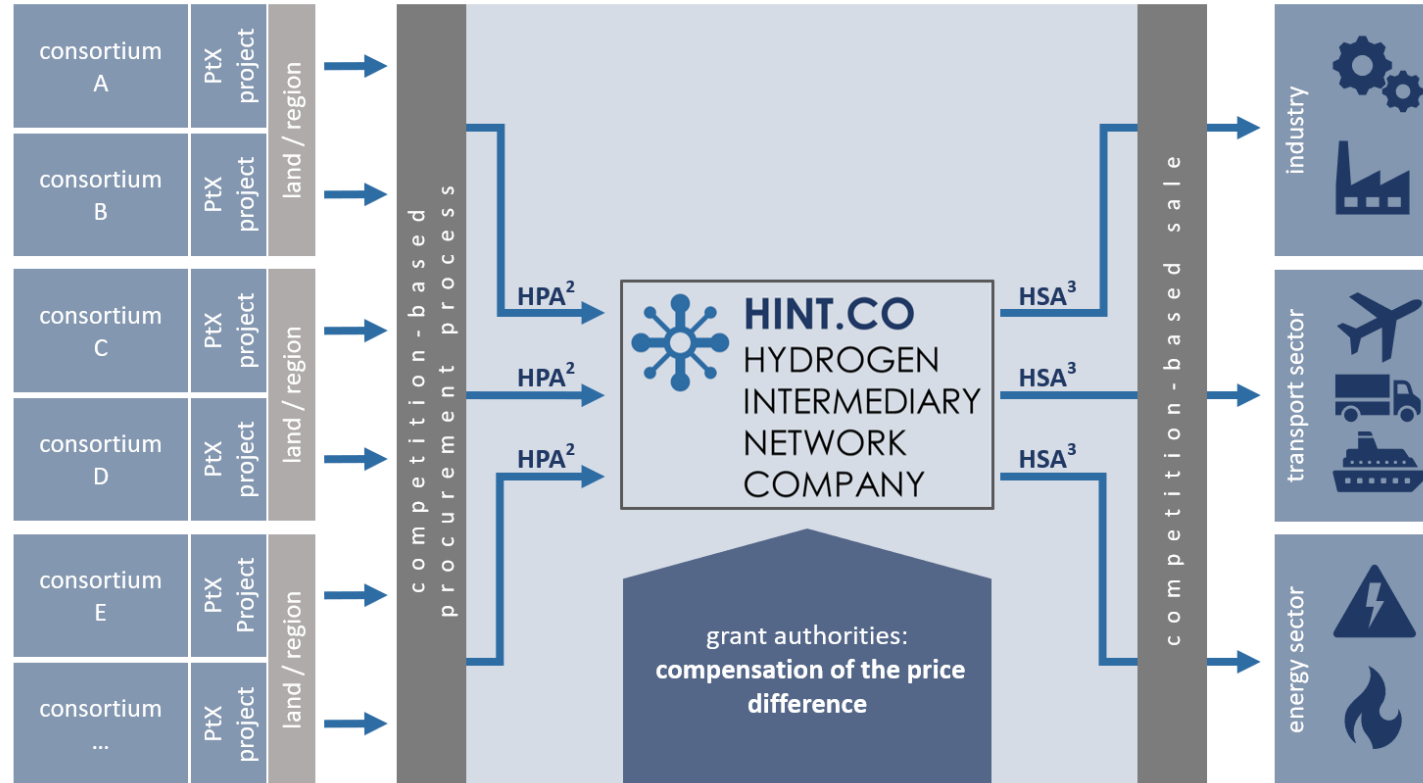
Auctions on PtX supply and purchase side (auctions or other competition-based allocations)
Enabling competition-based prices on both sides



THE INTERMEDIARY: HINT.CO

Auctions for the purchase and resale of PtX products take place in German

Competition-based purchase and sale of power-to-X products by HINT.CO¹



¹ exemplary illustration

² supply side: 10 year Hydrogen Purchase Agreement (HPA)

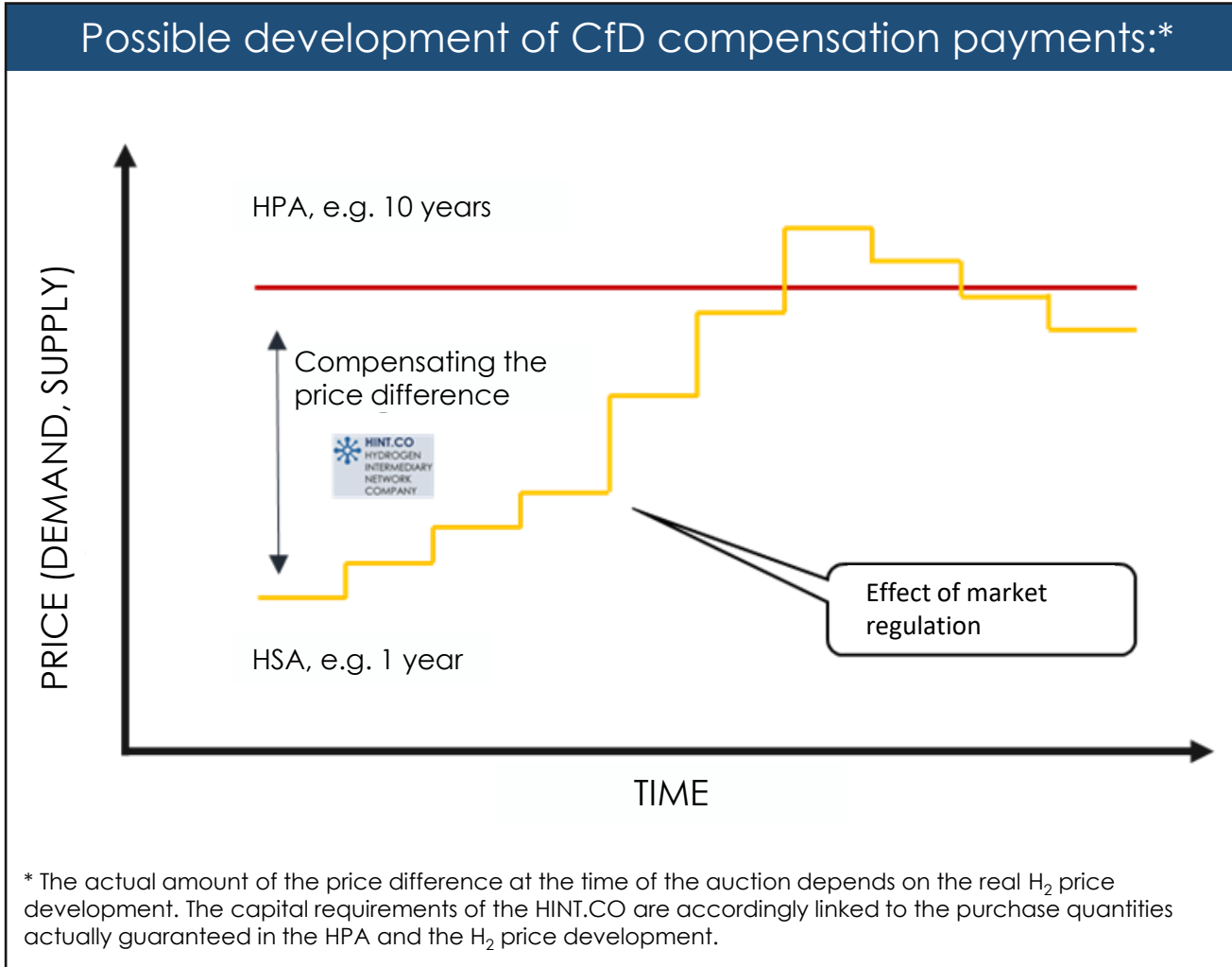
³ demand side: Hydrogen Service Agreement (HSA)

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- ▶ HINT.CO as H₂ market maker: buyer and reseller of PtX products.
- ▶ Provision of auction-based long-term HPAs (e.g. 10 years) on the supply side and short-term HSAs on the offtake side (e.g. 1 year)
- ▶ HINT.CO compensates the price difference in analogy to the CfD model
- ▶ HINT.CO guarantees the H₂/PtX delivery capability towards the final offtaker.

COMPENSATING THE PRICE DIFFERENCE

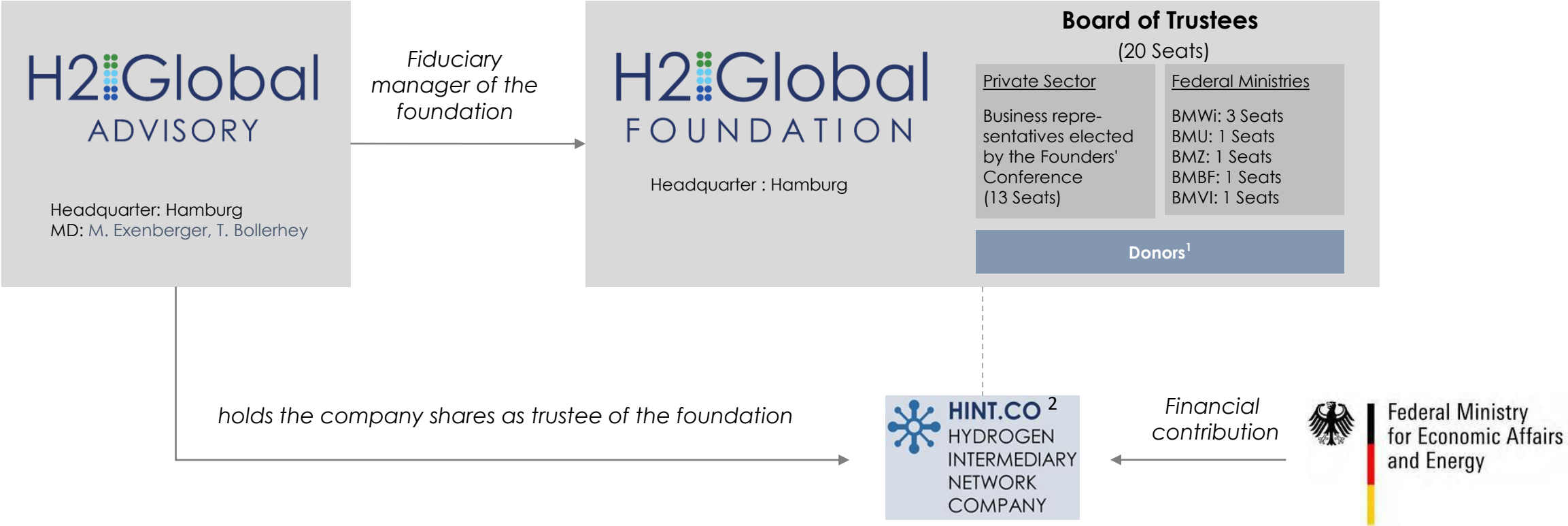
The HINT.CO compensation mechanism over time during market development



- ▶ HINT.CO as H₂ market maker: Buyer and seller of H₂ und H₂ derivatives
- ▶ Provision of auction-based long-term HPAs (10 years) on the supply side and short-term HSAs on the demand side (1 year)
- ▶ HINT.CO as bankable off taker, guaranteed by the Federal Government (BMWi)
- ▶ HINT.CO compensates the price difference, in analogy to a CfD model
- ▶ HINT.CO guarantees H₂ delivery capability towards final off taker

H2GLOBAL IMPLEMENTATION STRUCTURE

Implemented by an dependent, industry-led foundation



1 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)
2 Location of the HINT.CO to be decided

Background

Development of the H2Global scheme



giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

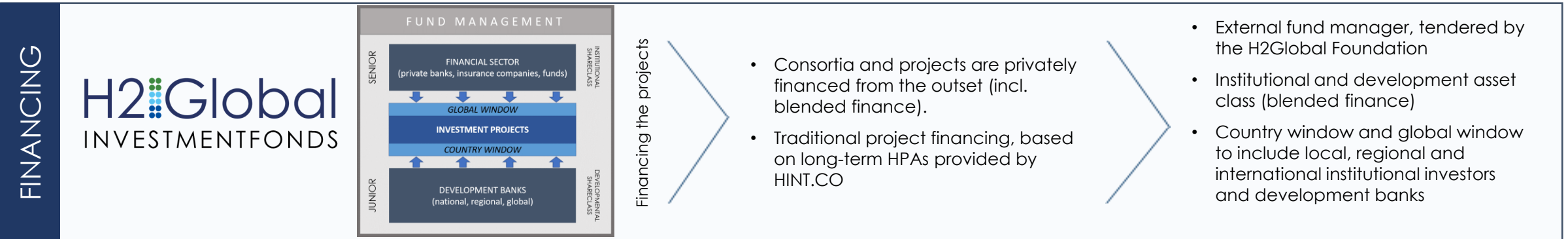
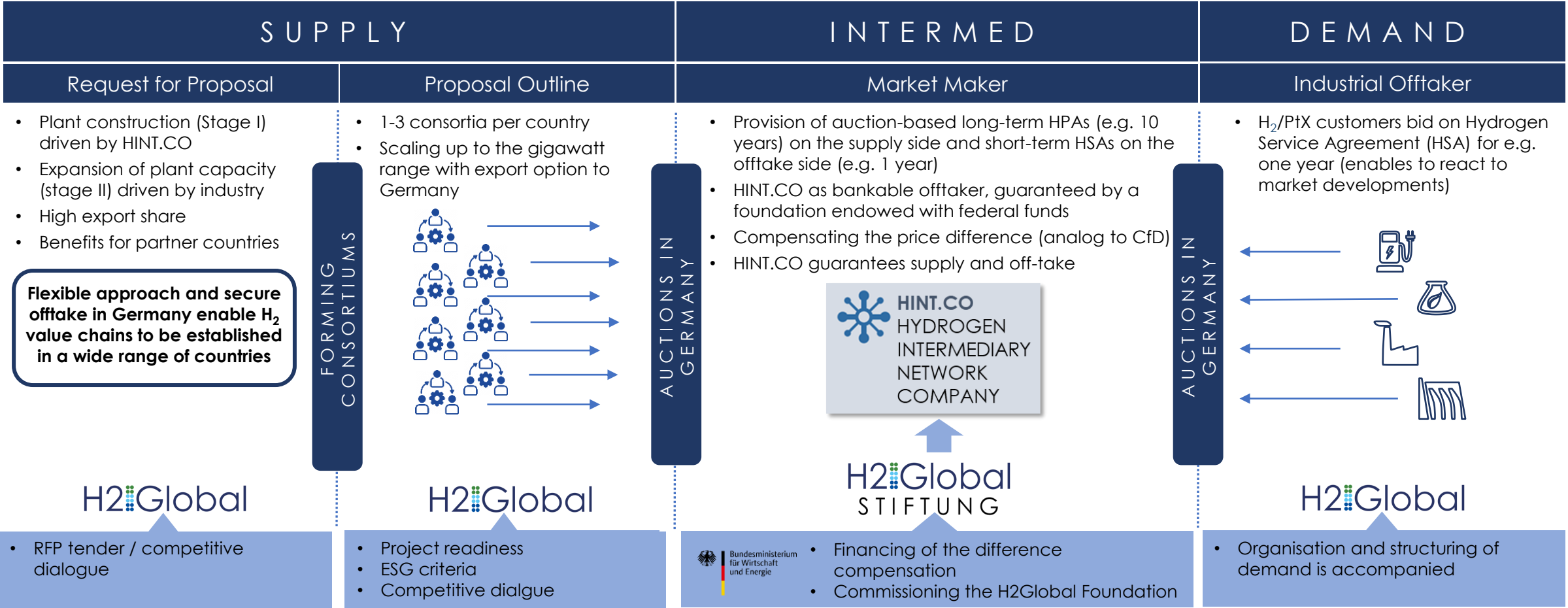
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

DWV Deutscher Wasserstoff- und Brennstoffzellen-Verband

DWV H2Global TASK FORCE
Deutscher Wasserstoff- und Brennstoffzellen-Verband

H2Global STIFTUNG

OVERVIEW: THE H2GLOBAL CONCEPT



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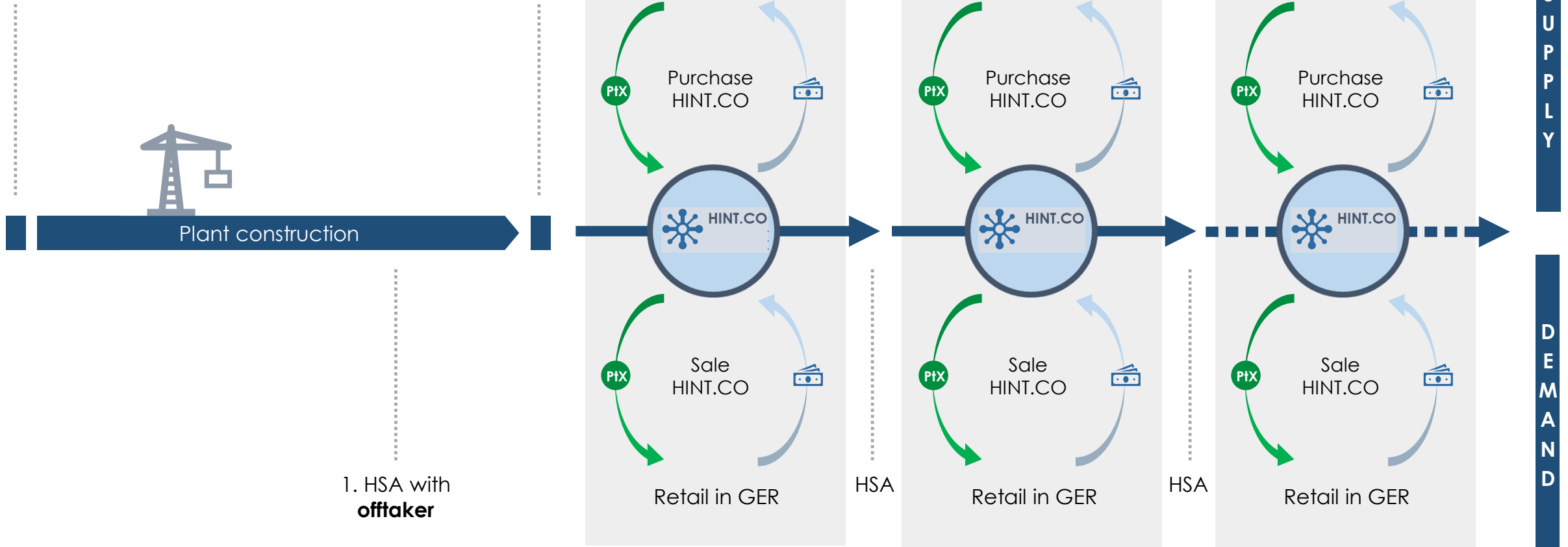
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HINT.CO MATCHES SUPPLY AND DEMAND AND BALANCES THE PRICE DIFFERENCE

Exemplary illustration of product trade over 10 years for an HPA.

HPA with
producer
10 years

Start
production



1. HSA with
offtaker

HSA

HSA