

**Industrie- und Gewerbepark** *Mittelalbe* **GmbH**

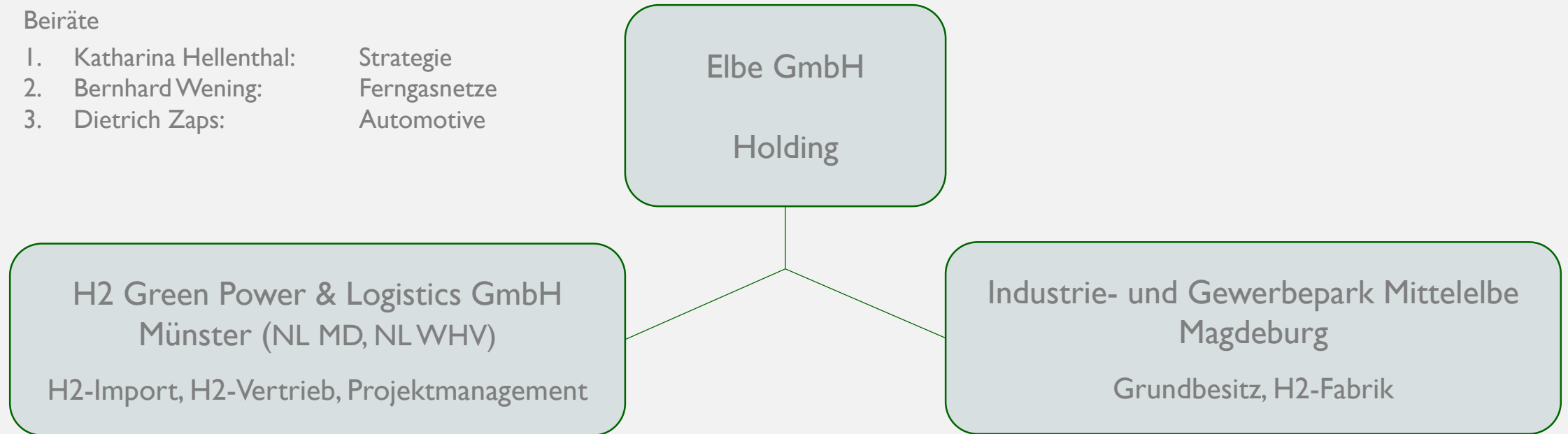
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**H2 GREEN POWER & LOGISTICS**

# H2-ORGANIGRAMM

## Beiräte

1. Katharina Hellenthal: Strategie
2. Bernhard Wening: Ferngasnetze
3. Dietrich Zaps: Automotive



# H<sub>2</sub> GREEN POWER & LOGISTICS

H<sub>2</sub> INDUSTRY

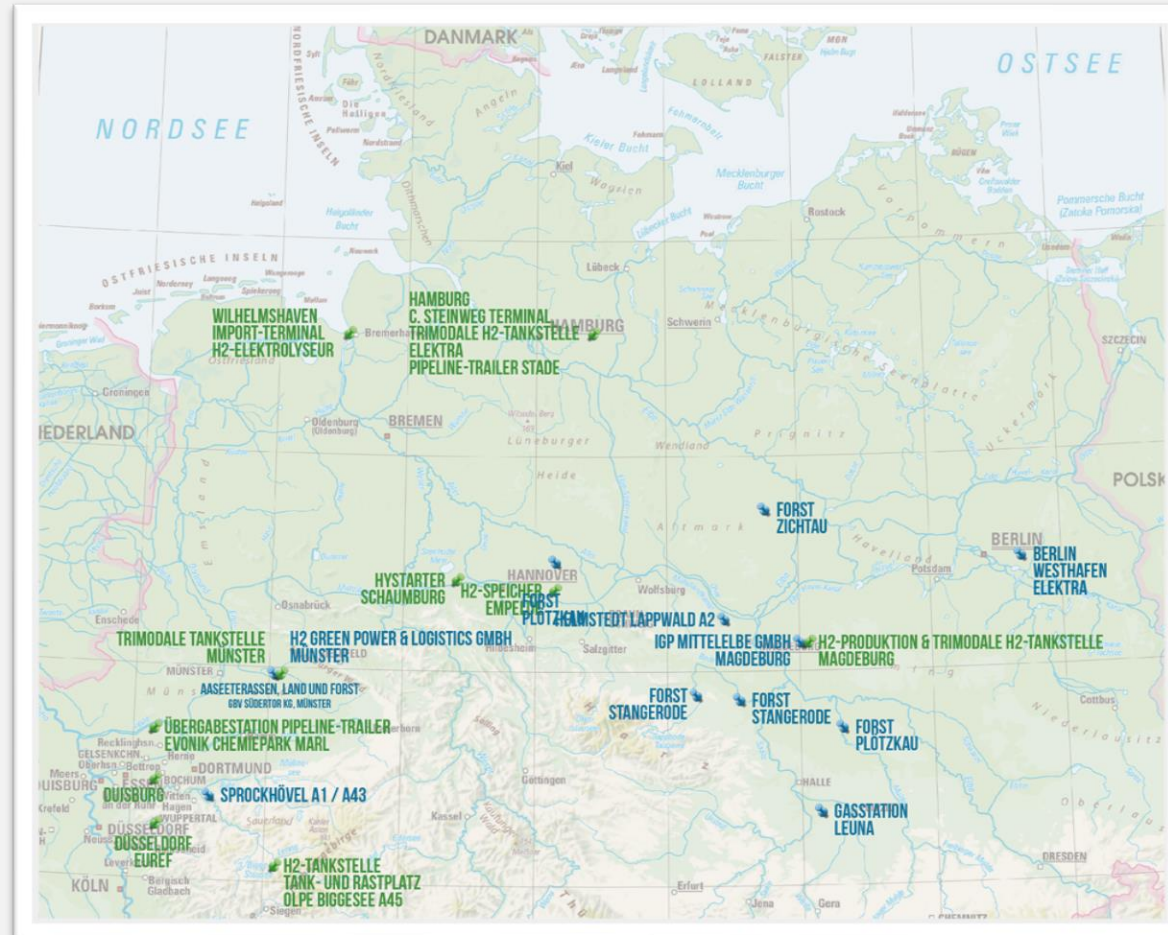
H<sub>2</sub> DISTRIBUTION

H<sub>2</sub> TRUCKER

H<sub>2</sub> IMPORT

H<sub>2</sub> SHOP

H<sub>2</sub> RESEARCH & DEVELOPMENT



Quelle: eigene Darstellung

# H<sub>2</sub> GREEN POWER & LOGISTICS

## H<sub>2</sub> INDUSTRY

- IGP Mittelbe
- H<sub>2</sub> Plant
- H<sub>2</sub> Quattro Modal
  - H2 Station
  - Power to Gas
  - Railway
  - ELEKTRA
  - Digital
- LNG
- E-Charger
- Renewables / PPA´s
  - Photovoltaic
  - Wind
  - CHP Unit / BMHKW
- EVONIK Chemiepark Marl

## H<sub>2</sub> DISTRIBUTION

- Grid Gas Companies
  - FNB 2020-2030
  - Nowega, Erdgas Münster
  - OGE, Ontras
- Backbone
- H<sub>2</sub> Storage
  - Etzel, Empelde
  - Bad Lauchstedt, Altmark
- H2 Trailer
  - Talke
  - Air Products
- H2 Train
  - Mega Hub Lehrte / VTG
- H2 Ship
- H2 / LNG / CNG Station

## H<sub>2</sub> TRUCKER

- H<sub>2</sub> Mobility
- OEM´s
- Customer
- Service

## H<sub>2</sub> IMPORT

- Wilhelmshaven
- Hamburg
  - C. Steinweg Terminal
  - Stade
- Rotterdam
- Skandinavien
- Chile
- Afrika
- Ammoniak/LOHC /Kryogen

## H<sub>2</sub> SHOP

- H<sub>2</sub> B2B
- Integrated Energy
- H2 Cooperations
  - Leuna, Bitterfeld
  - Rhein-Main-Region
  - EUREF

## H<sub>2</sub> RESEARCH & DEVELOPMENT

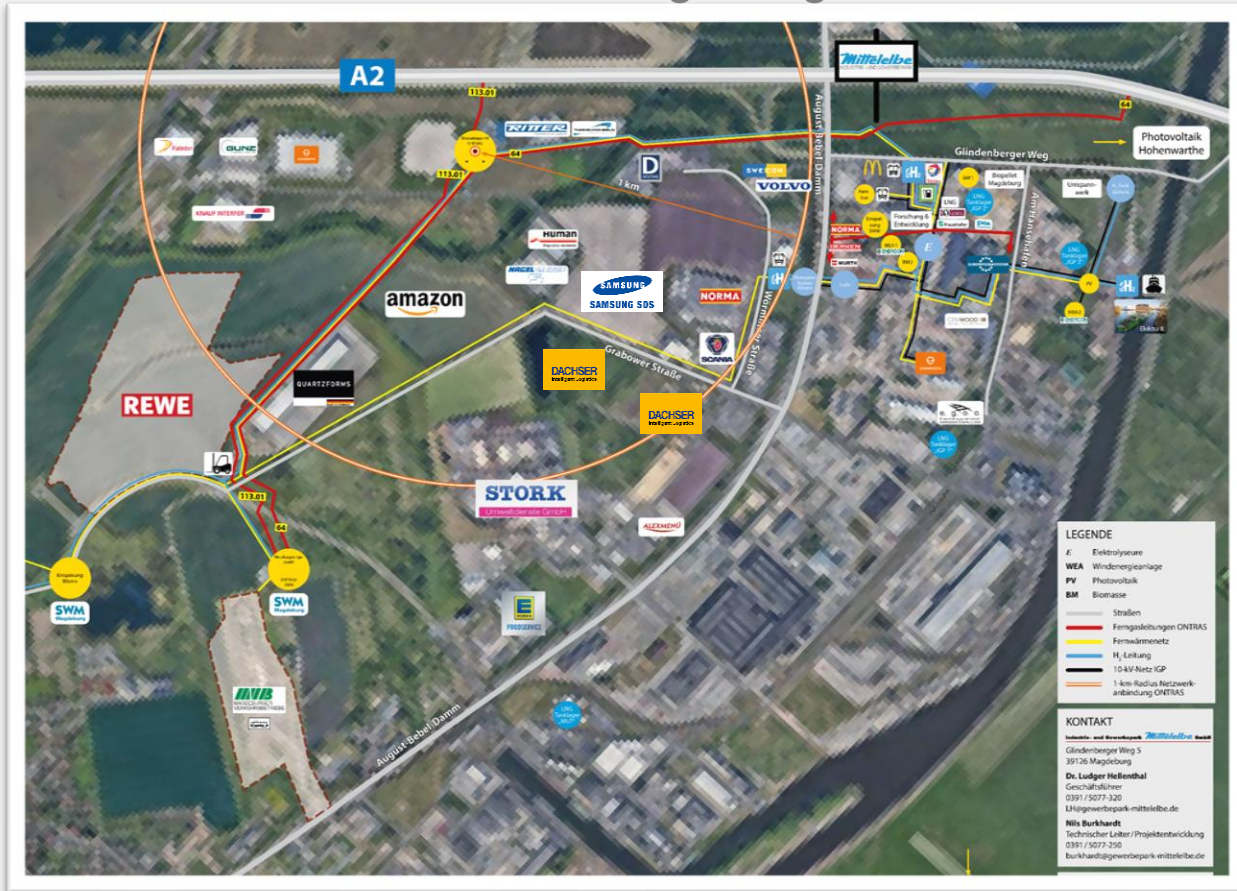
- HyStarter LK Schaumburg
- Fraunhofer IFF
- Otto-von-Guericke-Universität
- HYPOS e.V.
- DBI
- FH Steinfurt
- EnergieAgentur.NRW



# INDUSTRIE- UND GEWERBEPARK MITTELELBE

Industrie- und Gewerbepark **MittelElbe GmbH**

Standort Magdeburg



H2-Fabrik



Quelle: IGP MittelElbe, 2020

Quelle: IGP MittelElbe, 2020



## Floating Photovoltaik



Quelle: BayWa r.e., 2020

## Biomasse-Blockheizkraftwerk Magdeburg



Quelle: Art GmbH., 2020

H2 Green Power & Logistics GmbH

## H2 ENERGY

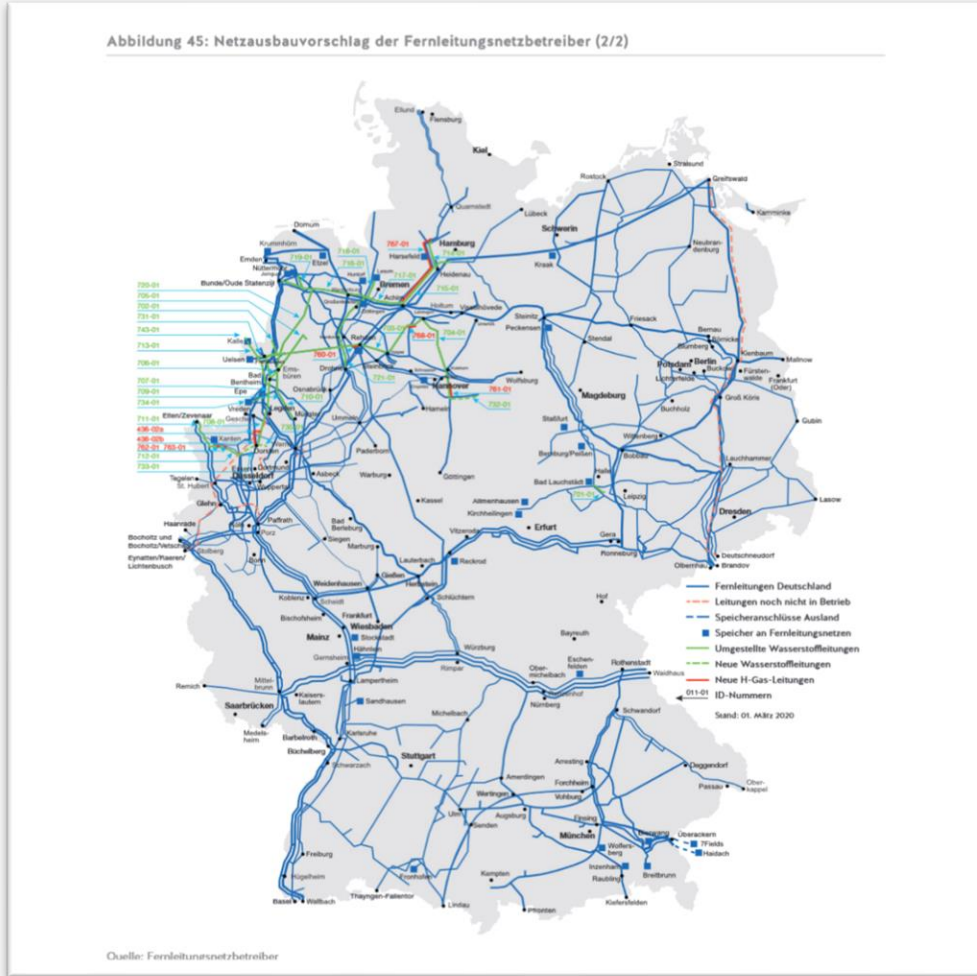
## Enercon E-53



Quelle: eigene, 2020

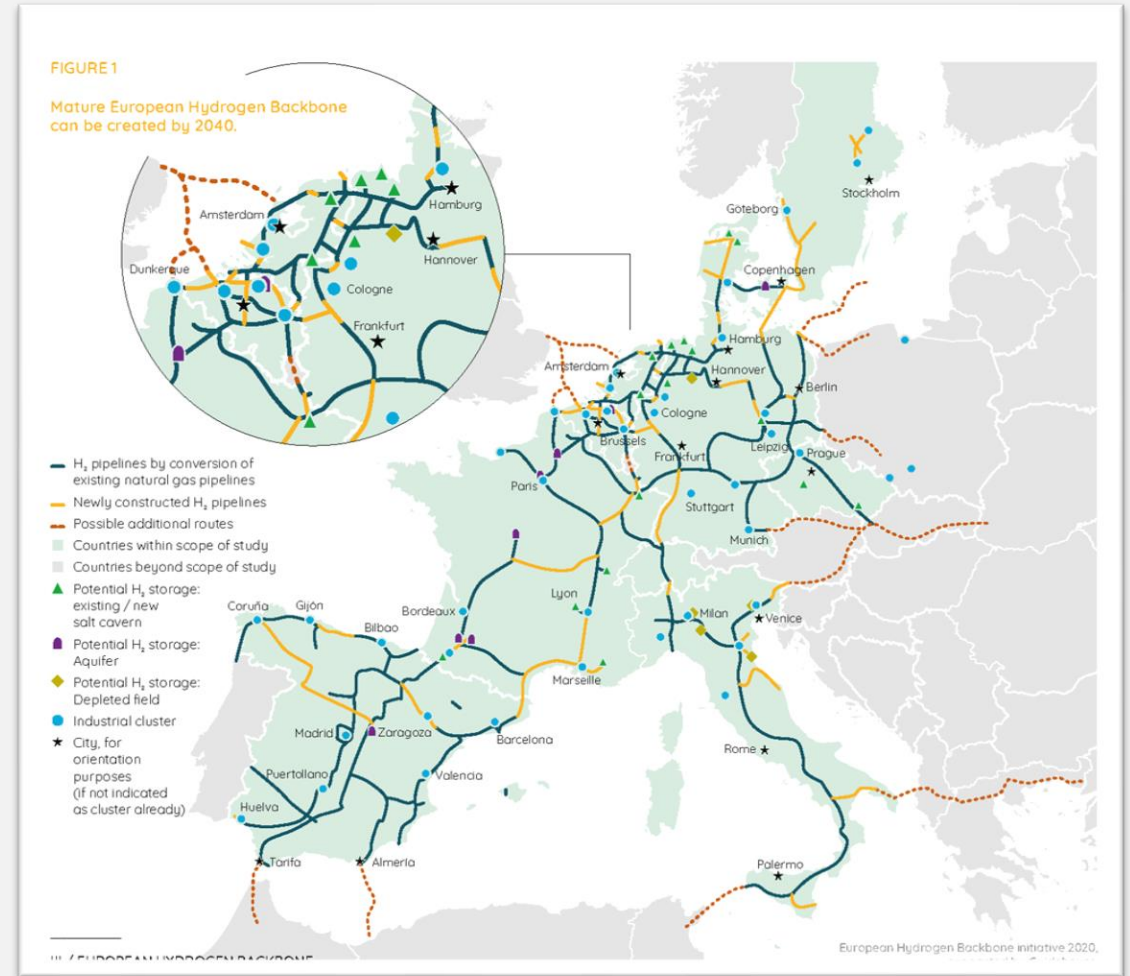
# FNB-GAS-NETZENTWICKLUNGSPLAN 2020 - 2030

## FNB Netzausbauvorschlag



Quelle: FNB Gas, 2020

## Backbone

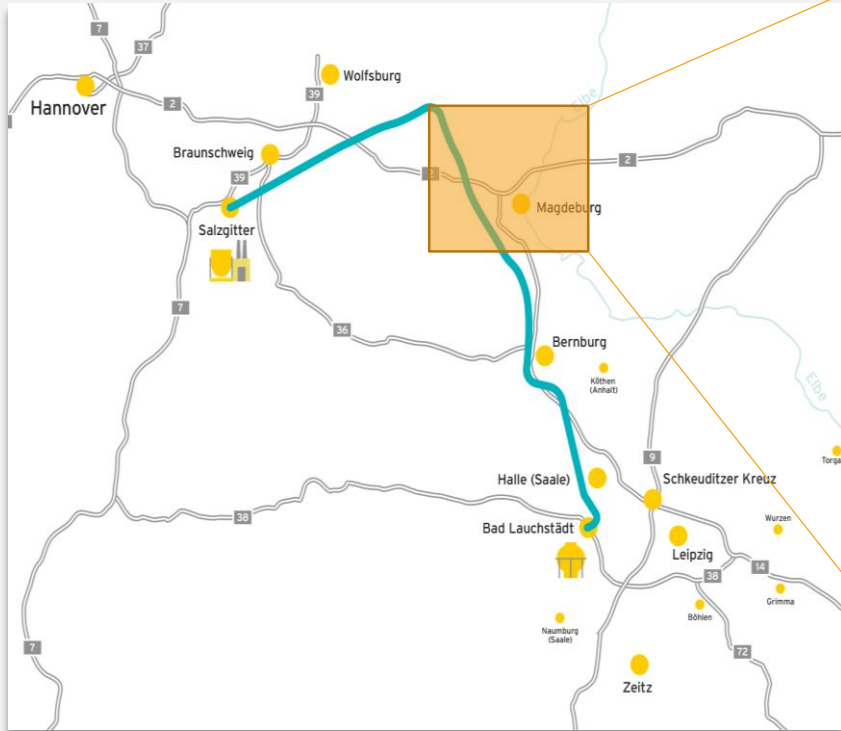


Quelle: OGE, 2020

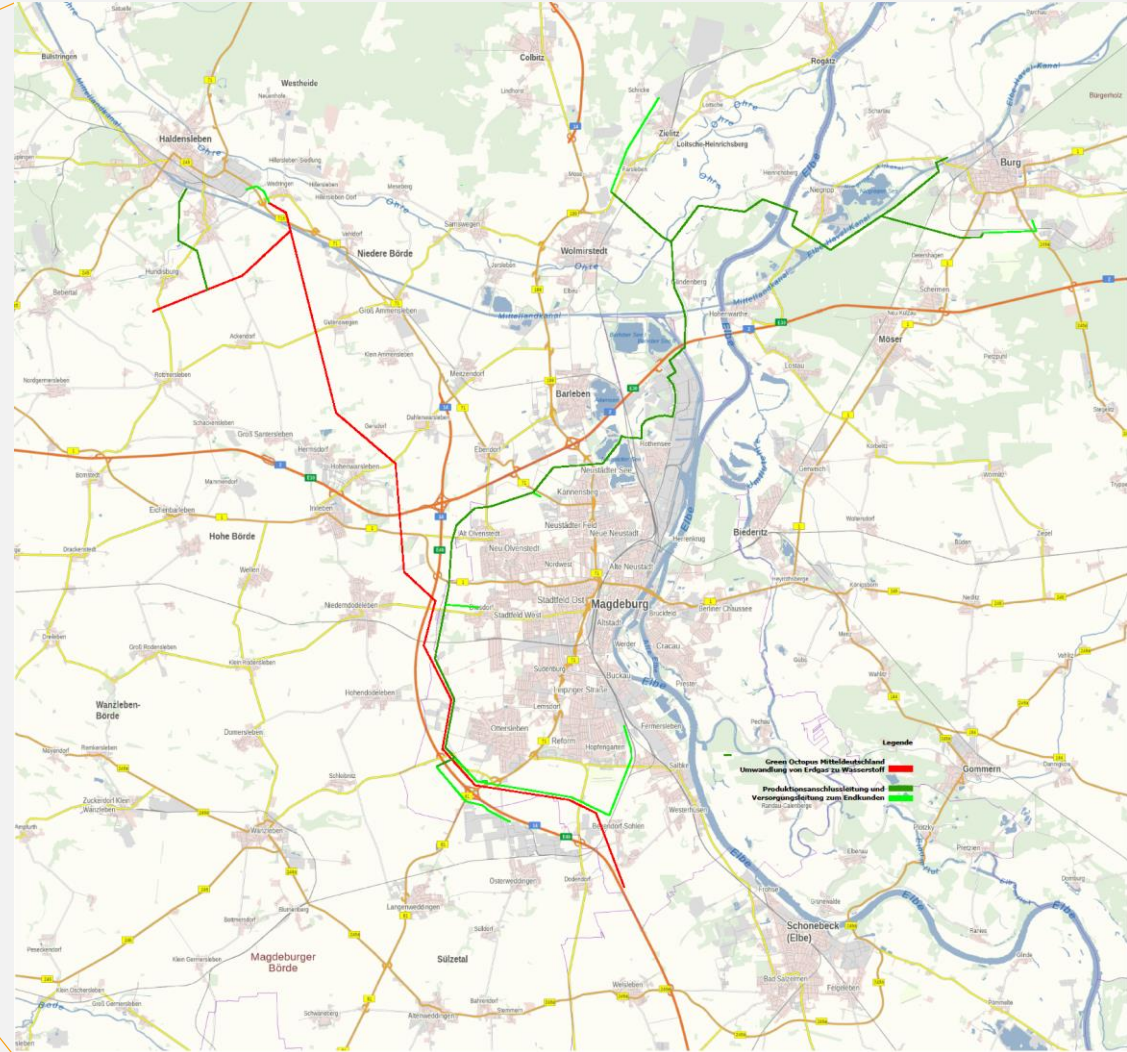


H2  
DISTRIBUTION

# WASSERSTOFF PIPELINE UM MAGDEBURG



GREEN OCTOPUS MITTELDEUTSCHLAND





Gasspeicher Energiepark Bad Lauchstädt



Quelle: vng.de 2022



Gasspeicher Hannover-Empelde



Quelle: gasspeicher-hannover.de, 2020

Eröffnung H2-Tankstelle Magdeburg



Quelle: TOTAL, 2018

Eröffnung E-Ladepark IGP Mittelelbe





H2 TRUCKER



Quelle: Mercedes 2020



Quelle: Hyundai, 2020



Quelle: MAN, 2020



Quelle: Faun, 2020



Quelle: Liebherr, 2020



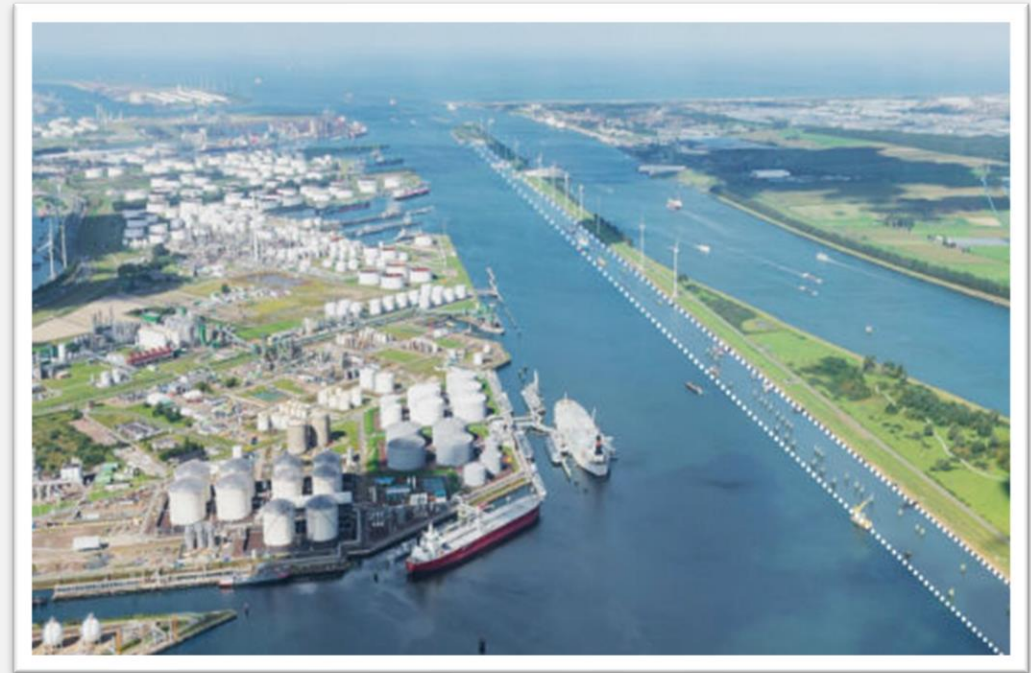
Quelle: Deutz AG, 2020



# WILHELMSHAVEN & ROTTERDAM

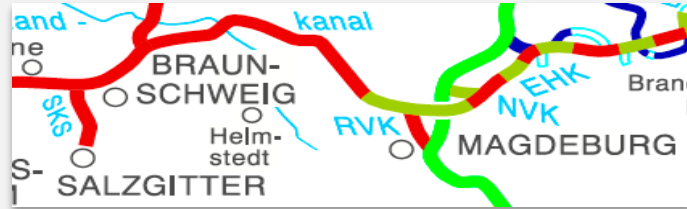


Quelle: welt.de 2012



Quelle: Port of Rotterdam 2020

# SCHIFFFAHRT IN MITTELDEUTSCHLAND



H2-Schiff ELEKTRA II



Quelle: TU Berlin, 2018

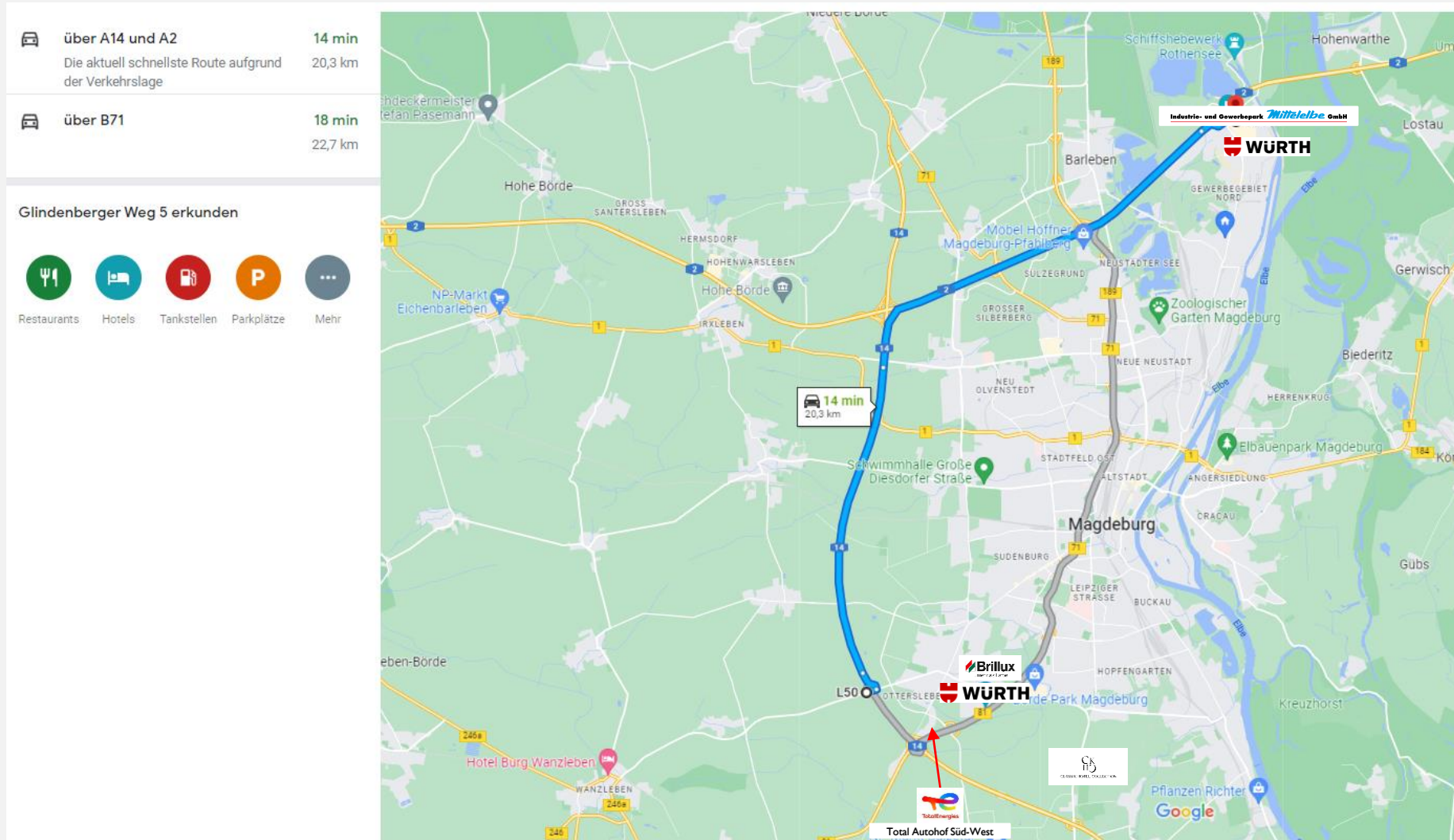
Ammoniak-Transportschiff ODIN



Quelle: Arnold Pohen, 2020



# LOW-CARBON AND CIRCULARITY INTEL PLANT, MAGDEBURG





H2 INITIATIVEN



Landkreis Schaumburg



H2 Green Power & Logistics GmbH



**H2 DELIVERY®**