Hydrogen SUITability

Tim Schnauber

OGE hydrogen Projects

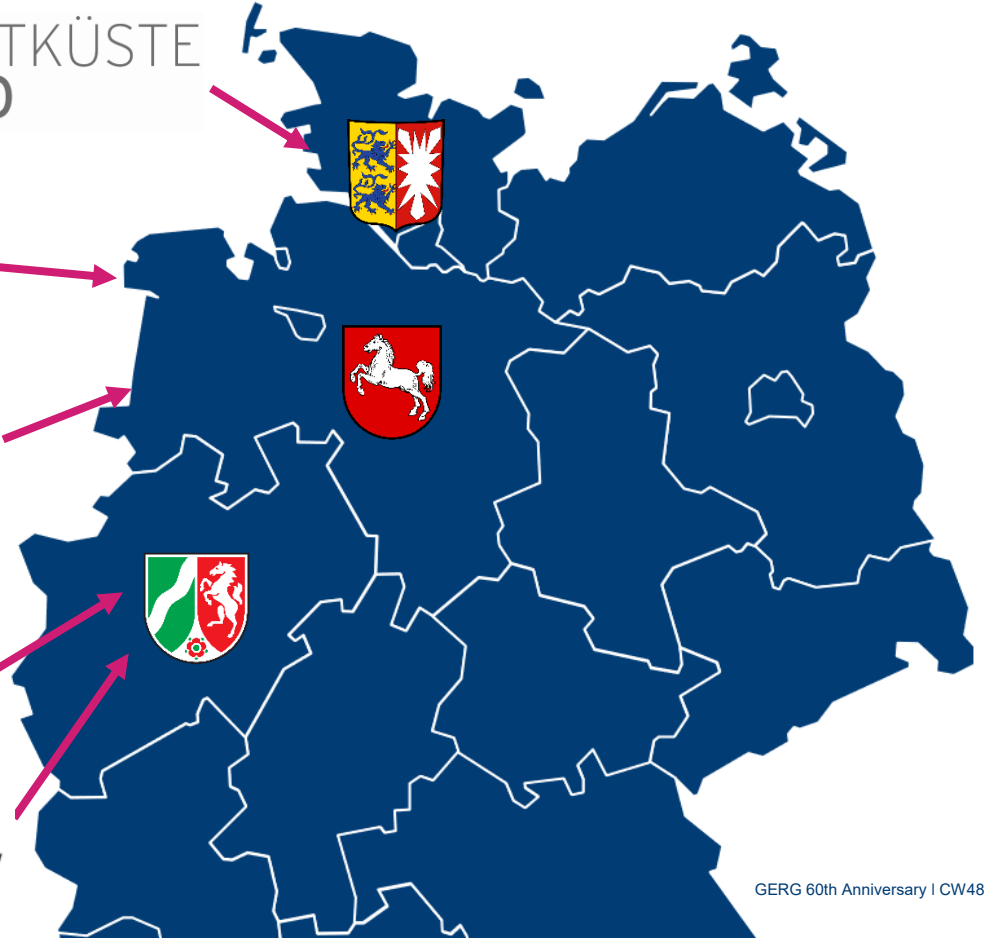
WESTKÜSTE 100

KRUH_2

H_2aren

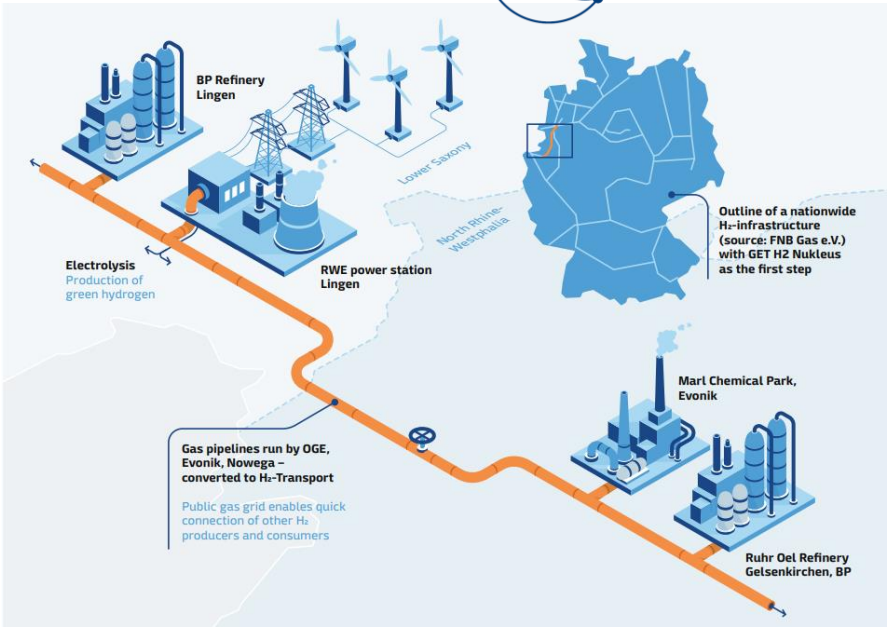
GETH_2 Nukleus

H2morrow



GET H_2 Nukleus

- Electricity from **renewables**
- Power-to-gas plants (**electrolysis**) to produce green H_2
- Existing electricity and gas **infrastructures** incl. gas **storage** facilities
- Supply of H_2 to **refineries** and **chemical parks** for use in production processes, including initial applications for the **transport sector** if necessary



bp EVONIK Leading Beyond Chemistry Wir transportieren Gas. nowega OGE RWE

Gas Chromatographs Upgraded for up to 20 Vol.-% H_2

Time Schedule:
2018-2022

Scope:
41 GCs at 25 sites

Challenge: Werne

- blending station
- 12 gas streams
- 8 GCs
- 2 fast GCs for blending
- communication system

pigsar: Closed Loop Commissioned and in Operation

PTB approval expected for calibration of flow meters with natural gas for operation with admixtures of **10% - 30% H_2**

We enable energy supply. Today and in the energy mix of the future.

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