



Nikolas Iwan | H2 MOBILITY | Hydrogen Council NY | 18 Sept 2017

H2 MOBILITY IS A JOINT VENTURE BY INDUSTRY LEADERS – THE MOST AMBITIOUS H2 REFUELLING INFRASTRUCTURE PROJECT EVER

JV to build country-wide H2 retail network

- Six leading companies founded a joint venture
- H2 MOBILITY selects, builds and operates stations



DAIMLER



H2 MOBILITY to invest up to \$M 400

- It took 15 years to build 30 stations – we plan to build up to 400 stations in just 10 years
- Shareholders invest equity, backed up by German and EU government funding

Commitment and customer focus

- Commitment of leading oil & gas and automotive companies, German government and EU bodies is key
- Strict standardization of components, unbiased focus on safety and customer needs

IN GERMANY WE ARE BUILDING THE FIRST COUNTRY-WIDE H2 RETAIL NETWORK FOR FCEVS



- **Country-wide network**
Foundation for the mass market
- **Demand-based tender**
Lighthouse projects with captive fleets

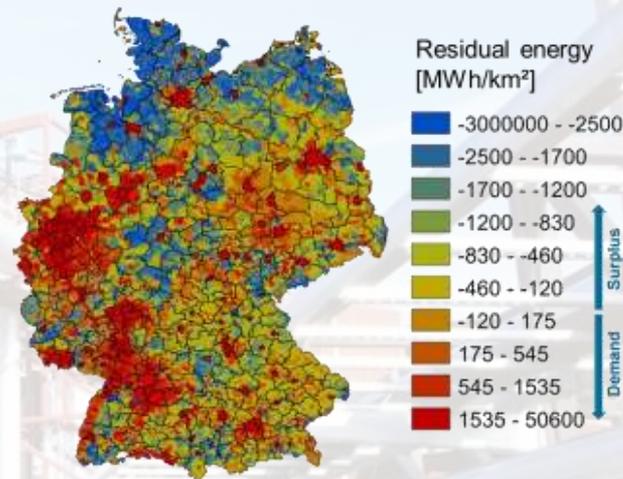
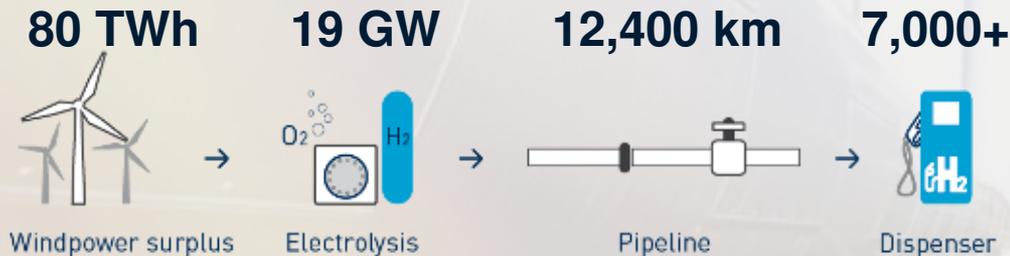
OEMS ARE FILLING THE PASSENGER AND UTILITY VEHICLE PIPELINE WITH FCEVs



ENERGY TRANSITION CALLS FOR MAJOR INVESTMENTS IN >7,000 STATIONS BUT ALSO IN PRODUCTION, TRANSPORT AND DISTRIBUTION INFRASTRUCTURE

Power surplus set to increase

- Scenario Germany 2050: 270 TWh of surplus electricity from renewable sources
- Only 80 TWh required to produce the 1.8 million tons of H₂ needed to fuel 50% of German passenger vehicles in the future



Source: Comparative Analysis of Infrastructures: Hydrogen Fueling and Electric Charging of Vehicles, Forschungszentrum Juelich GmbH, Institute of Energy and Climate Research Electrochemical Process Engineering (IEK-3), Germany (full study will be released end of October 2017)

WE ARE MAKING H2 HAPPEN IN EUROPE! TRACK OUR PROGRESS ON H2.LIVE

- 35 stations in operation in Germany
- 42 stations currently undergoing permitting or under construction
- Growing network in 8 other EU countries





Thank you.

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