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Austrian Hydrogen Strategy 20.03.2019



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VAN OOL VATTENFALL







Fuel Cell & Hydrogen 2 Joint Undertaking













A portfolio of clean, efficient

and competitive solutions

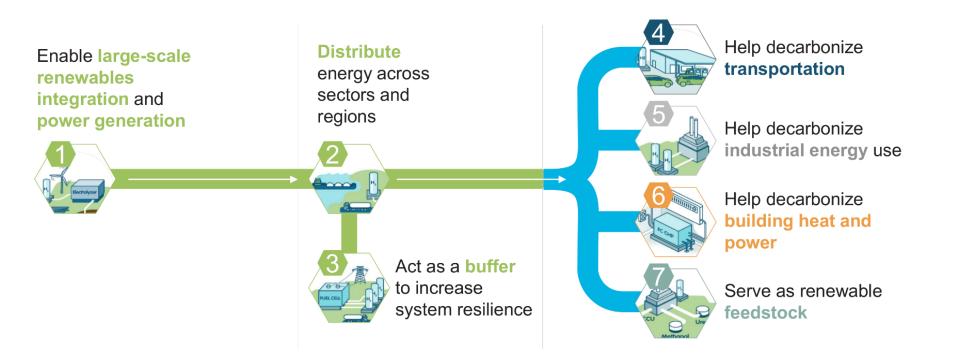
based on fuel cells and

hydrogen technologies in

energy and transport

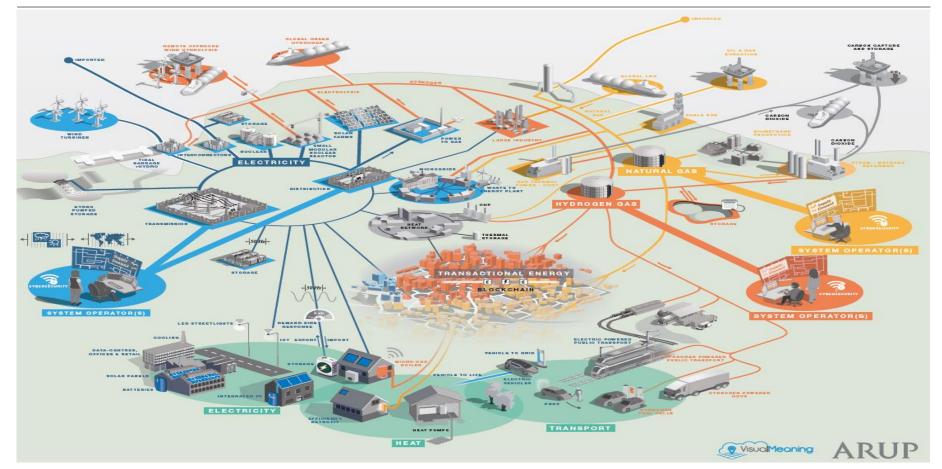
The Solution for decarbonisation





Long Term Strategy 2050: Sectoral Integration





Hydrogen Roadmap for Europe



BESIDES CO₂ ABATEMENT, DEPLOYMENT OF THE HYDROGEN ROADMAP ALSO CUTS LOCAL EMISSIONS, CREATES NEW MARKETS AND SECURES SUSTAINABLE EMPLOYMENT IN EUROPE

2050 hydrogen vision



~24%

of final energy demand¹



~560 Mt

annual CO₂ abatement²



~EUR 820bn

annual revenue (hydrogen and equipment)



~15%

reduction of local emissions (NO_x) relative to road transport



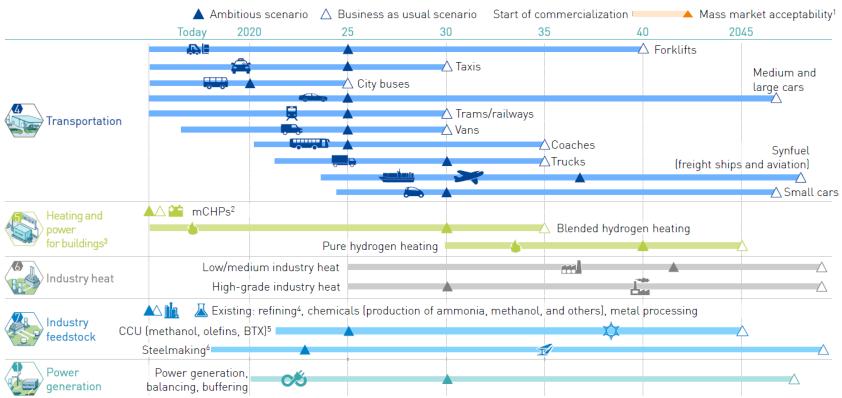
~5.4m

jobs (hydrogen, equipment, supplier industries)³

Hydrogen Roadmap for Europe



HYDROGEN TECHNOLOGY EXISTS AND IS READY TO BE DEPLOYED



Hydrogen Valleys: H2 in The Netherlands









Geographically, 3 IPCEI's can be identified







IPCEI 1: Netherlands, Belgium & Germany:

- Off-shore wind
- L-gas pipelines
- Electrolyser capacitity
- Trucks
- Light Duty Vehicles





IPCEI 3: Spain, Portugal, France, Germany & Poland:

- Stacks
- Ruses & trains
- Tanks
- Electrolyser capacity?

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IPCEL 2: Italy, Slovenia & Austria:

- Port strategy
- Pipeline hub in Austria
- Liquid hydrogen





Contacts

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