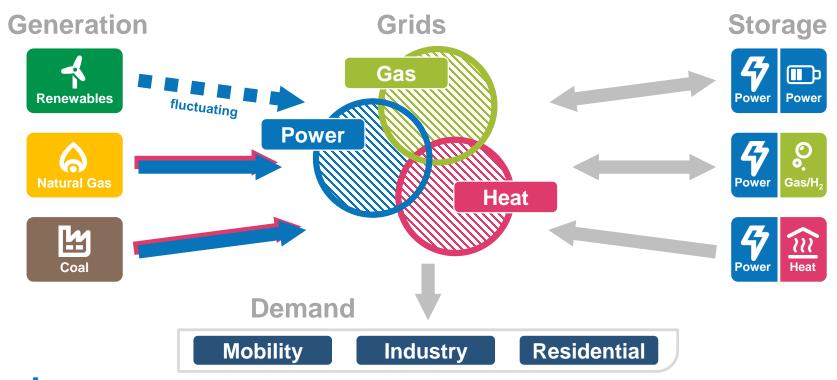


Sector Coupling with Hydrogen & Power to Gas

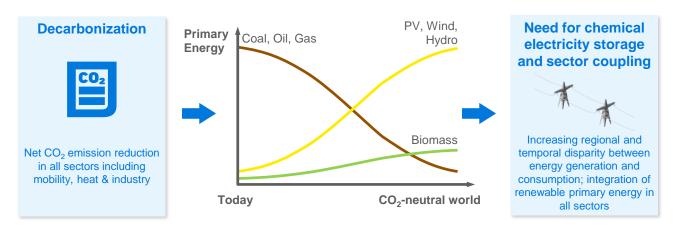
Strasbourg, 26.11.2019

Sectorial integration – using today's infrastructure





Main driver for H2 growth is climate protection

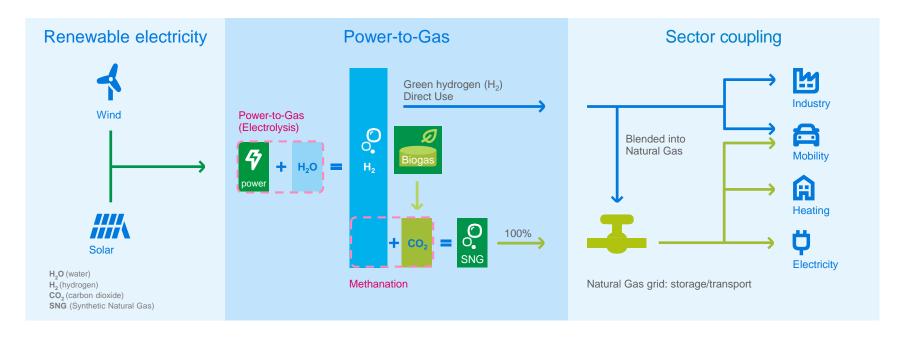


Further key enablers for hydrogen





Power-to-Gas: Green electricity gets a "second life"





With its energy storage projects, Uniper is actively contributing to the energy transition

WindGas Hamburg



- 1.5 MW_{el} (stack) / 290 m³/h H₂
 PEM electrolysis
- Start of operation: 2015
- H₂ injection into gas distribution pipeline

WindGas Falkenhagen



- 2 MW_{el} / 360 m³/h H₂ Alkaline electrolysis
- Start of operation: 2013
- 3 years of very successful operation, >8GWh H₂ produced, >10,000 operating hours, >800 starts/ stops
- H₂ injection into gas transportation pipeline

STORE&GO



- Expand WindGas Falkenhagen by 1 MW catalytic methanation plant
- Start of operation: 2018
- Input: Renewable H₂: 210 m³/h, Biogenic CO₂: 52.5 m³/h
- Green SNG (54 Nm³/h) injected into the grid



Thank you

Interested in the topic and want to know more about it?

Please get in touch with us:

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