

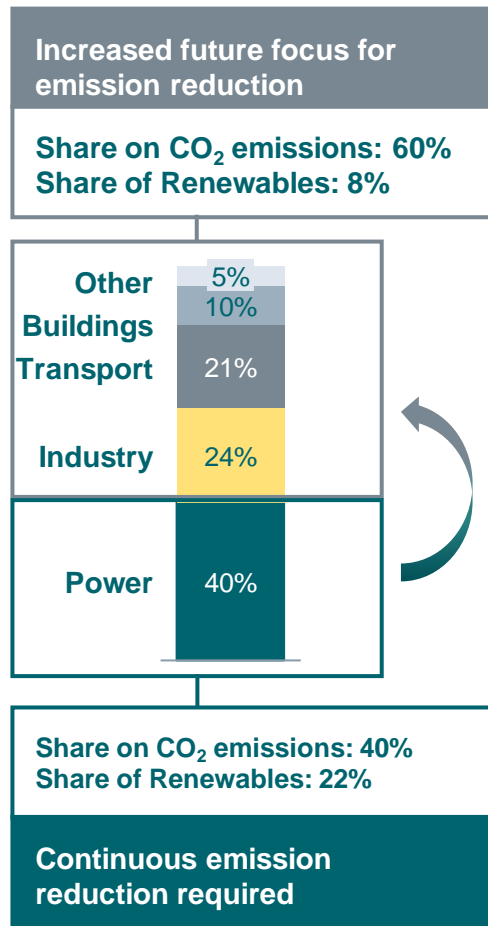
Green Hydrogen @ India

Gerd Deusser
Siemens Energy - India
October 9, 2020

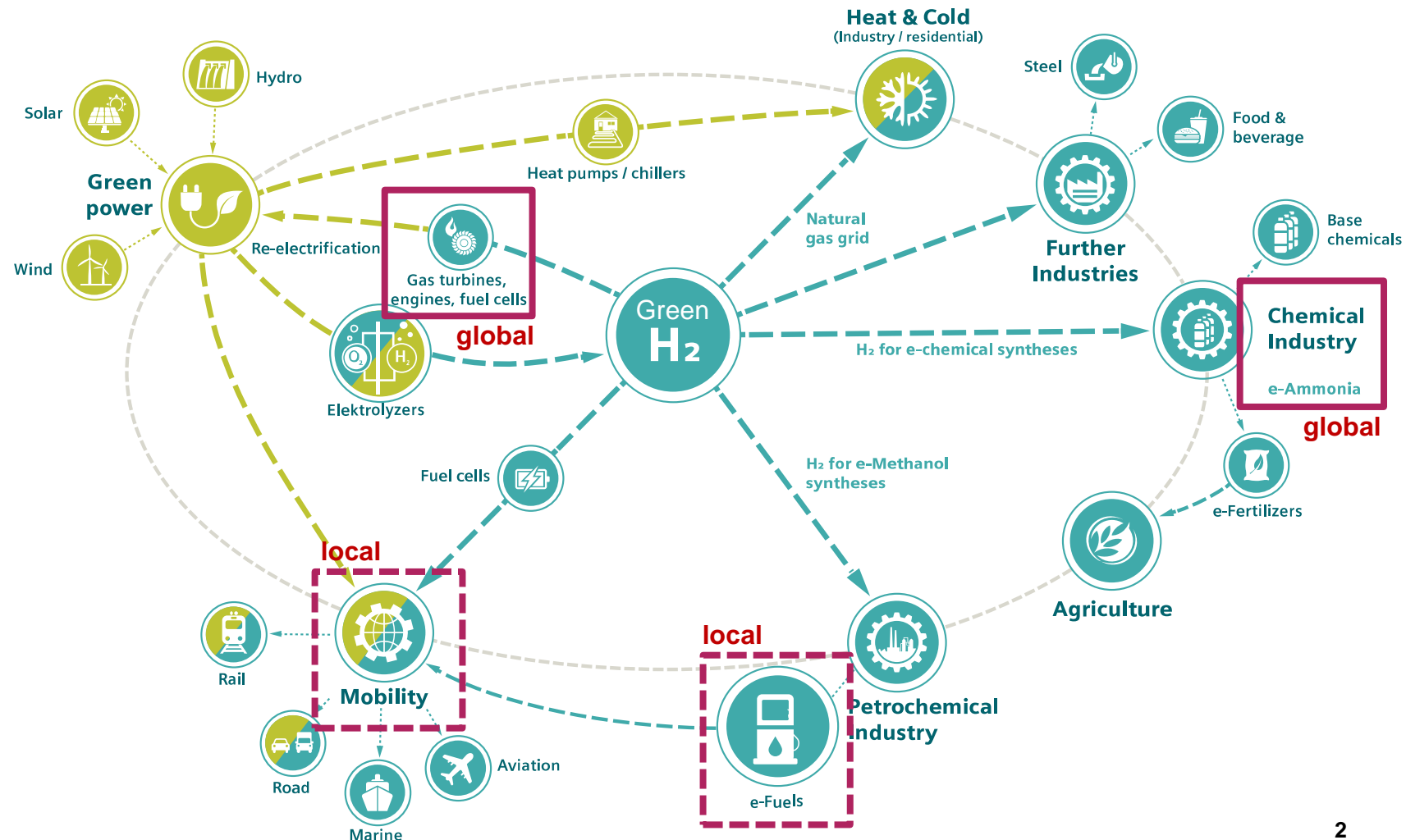


“Sector Coupling” is the key lever for decarbonization of all end-user sectors

Shares in global CO₂ emissions by sectors



Sector Coupling – Links and Interactions



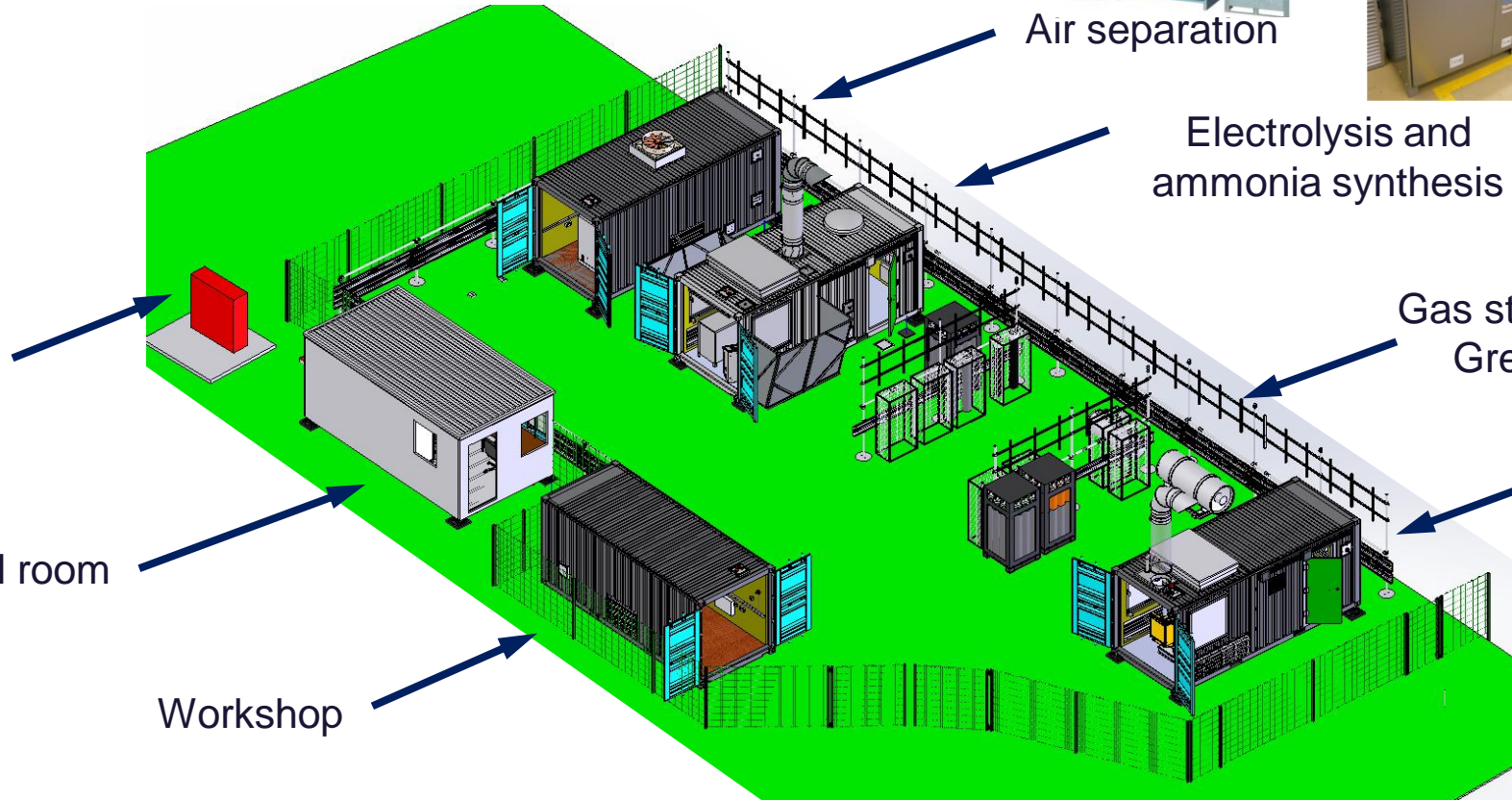
Source: World Energy Balances 2018

Green Ammonia Demonstration Plant @ Oxfordshire, UK

World's first roundtrip green ammonia demonstrator



Wind turbine generator and grid connection



Air separation



Electrolysis and ammonia synthesis



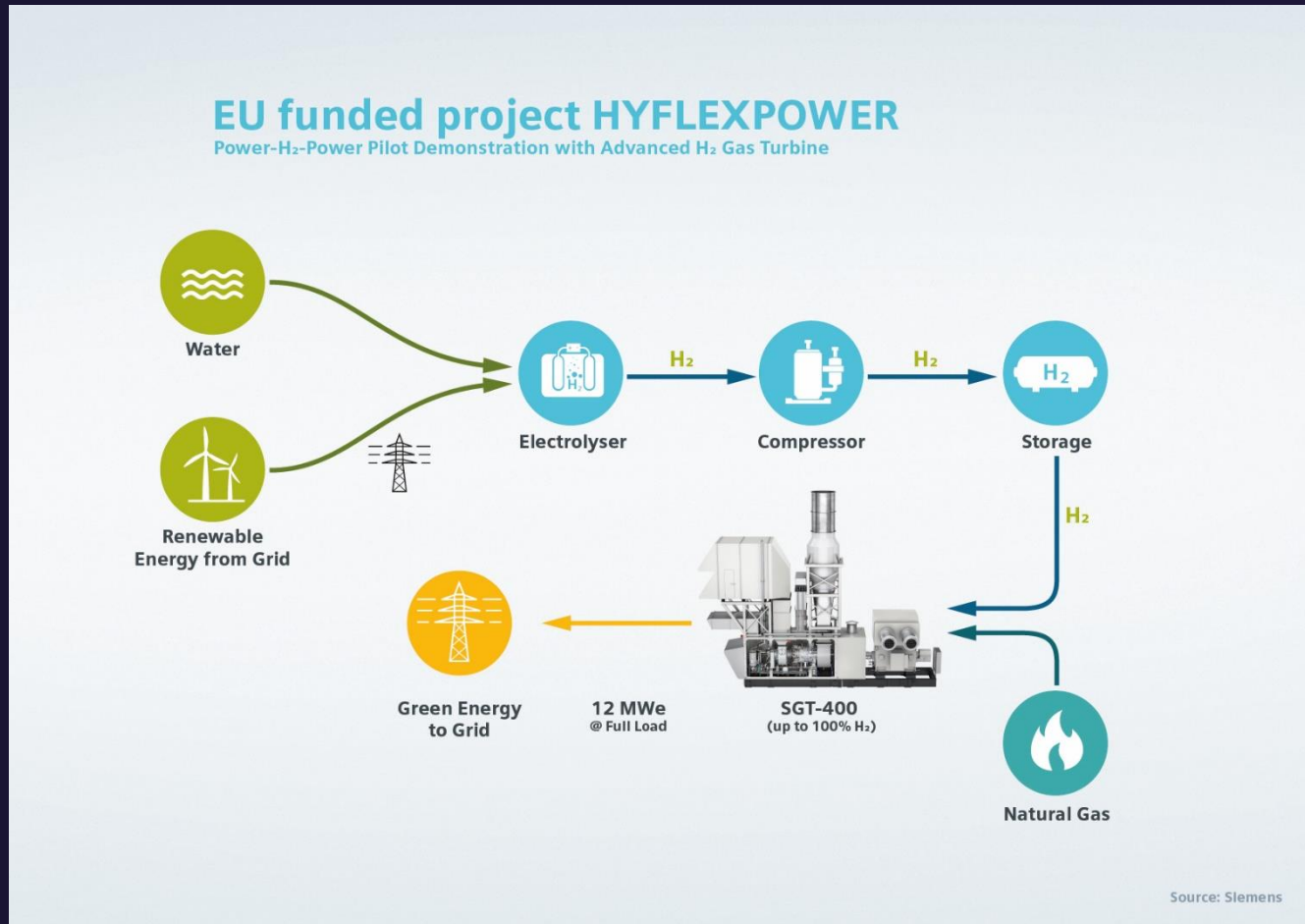
Gas storage, including Green Ammonia

Combustion (Re-Electrification)



Green Hydrogen Demonstration Plant @ France

World's first integrated power-to-X-power hydrogen gas turbine demonstrator

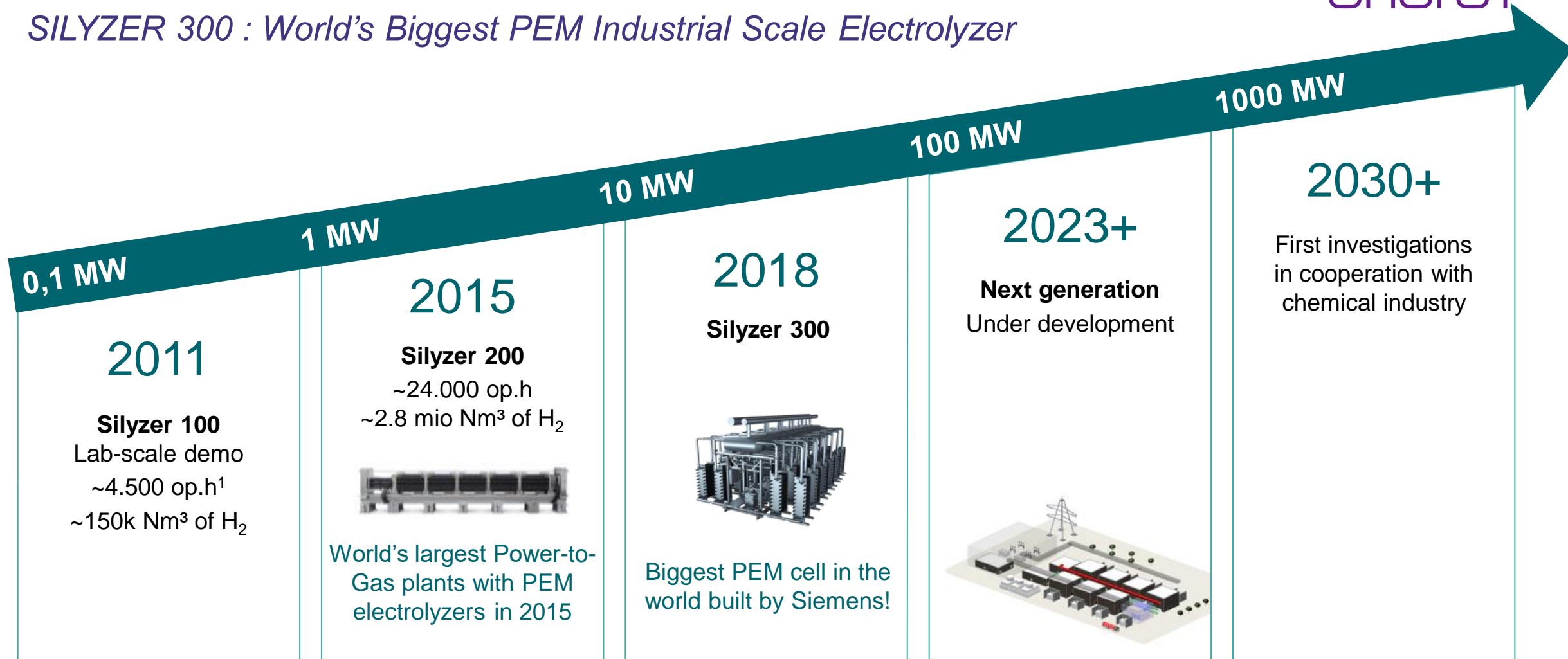


Project partners*



Roadmap : Siemens Electrolyzer (SILYZER)

SILYZER 300 : World's Biggest PEM Industrial Scale Electrolyzer



1) op.h.: operating hours