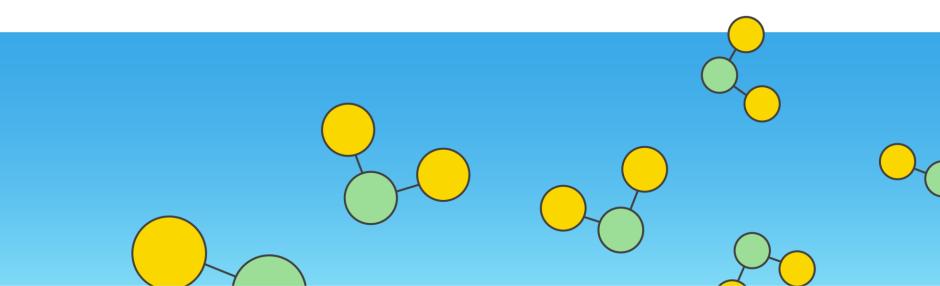


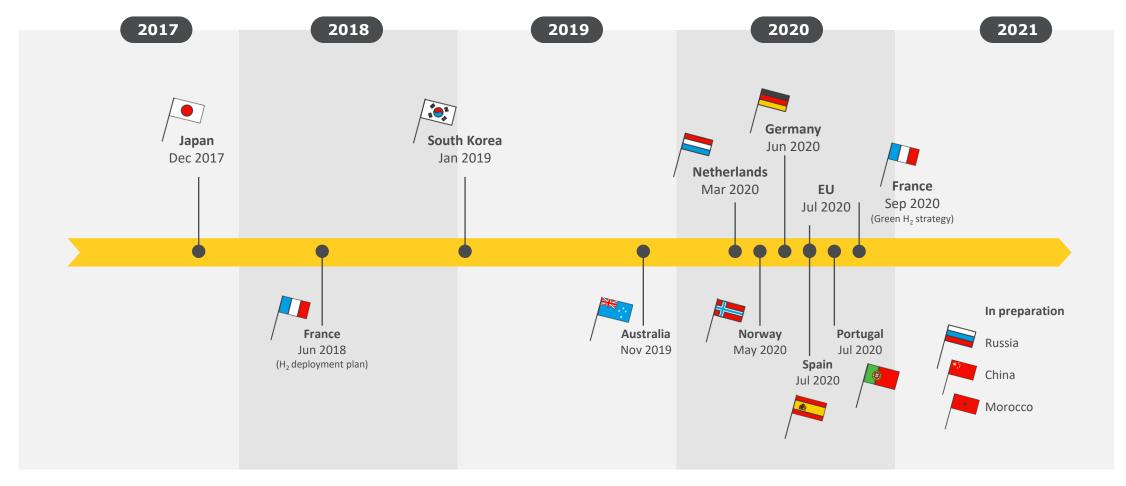
Setting the scene: TSO 2020

René Schutte 25 June 2021





The hot strategic hydrogen summer of 2020



Sources: Ludwig Bölkow Systemtechnik, World Energy Council



The hydrogen market will become a global market

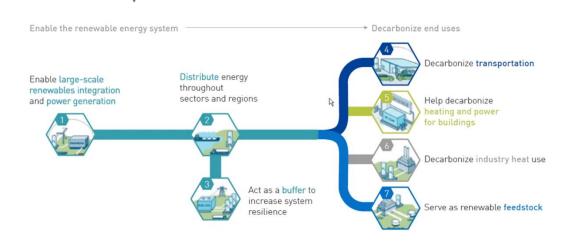
Snapshot of the variety and diversity of potential producing and consuming regions



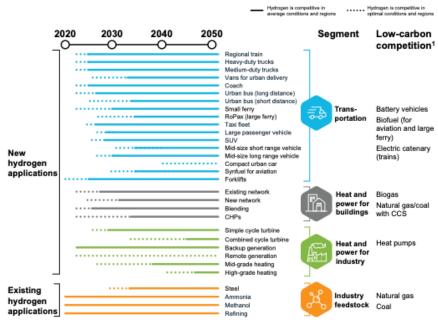


Industry is the initial hydrogen demand sector

Hydrogen as enabler of the energy transition in Europe



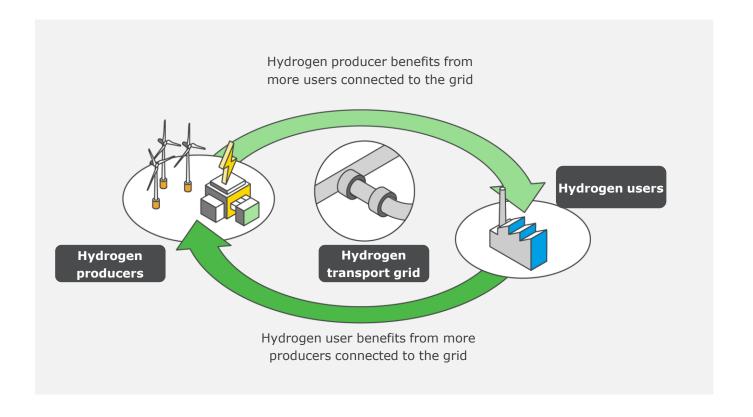
Cost competitiveness trajectories of hydrogen applications



^{1.} In some cases hydrogen may be the only realistic alternative, e.g. for long-range heavy-duty transport and industrial zones without access to CCS

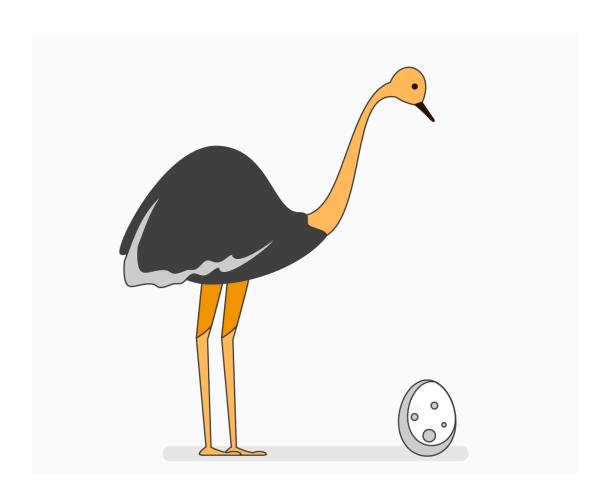


Hydrogen transport network can create positive network effects





Energy transition - what is required for hydrogen?

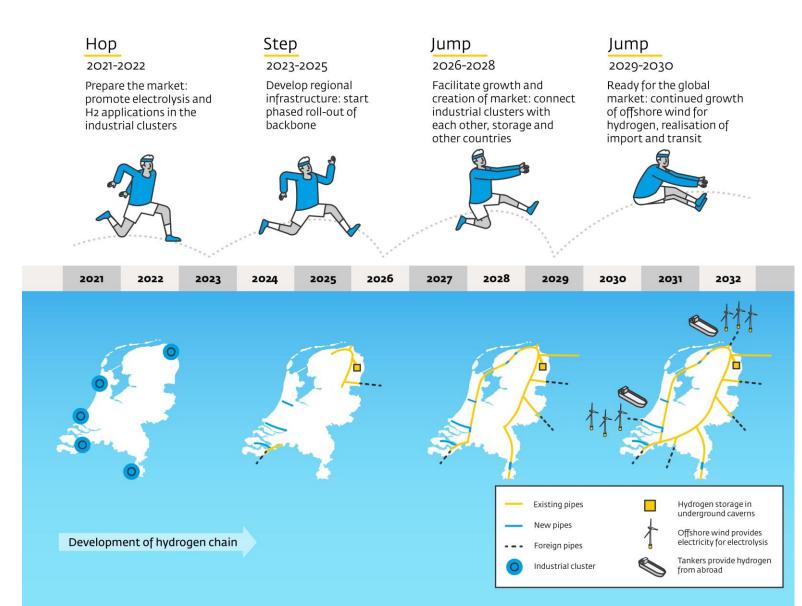


- Scaling up
- Renewable energy
- Phased roll-out
- Policy, norms, standards, law & regulation
- Funding & risk balancing





We see Gasunie's H₂ strategy as a Hop Step Jump Jump





Northern Netherlands Hydrogen Investment Plan 2.0



unique access to critical assets

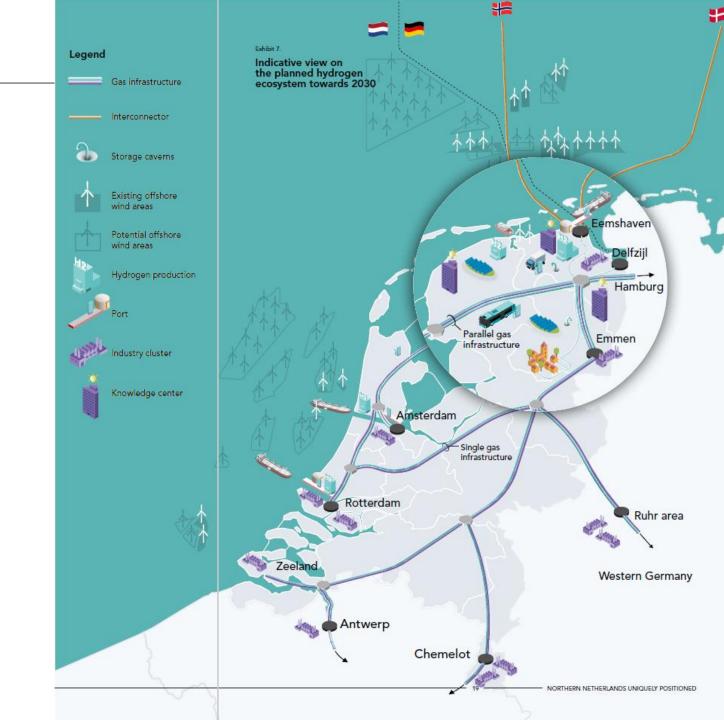


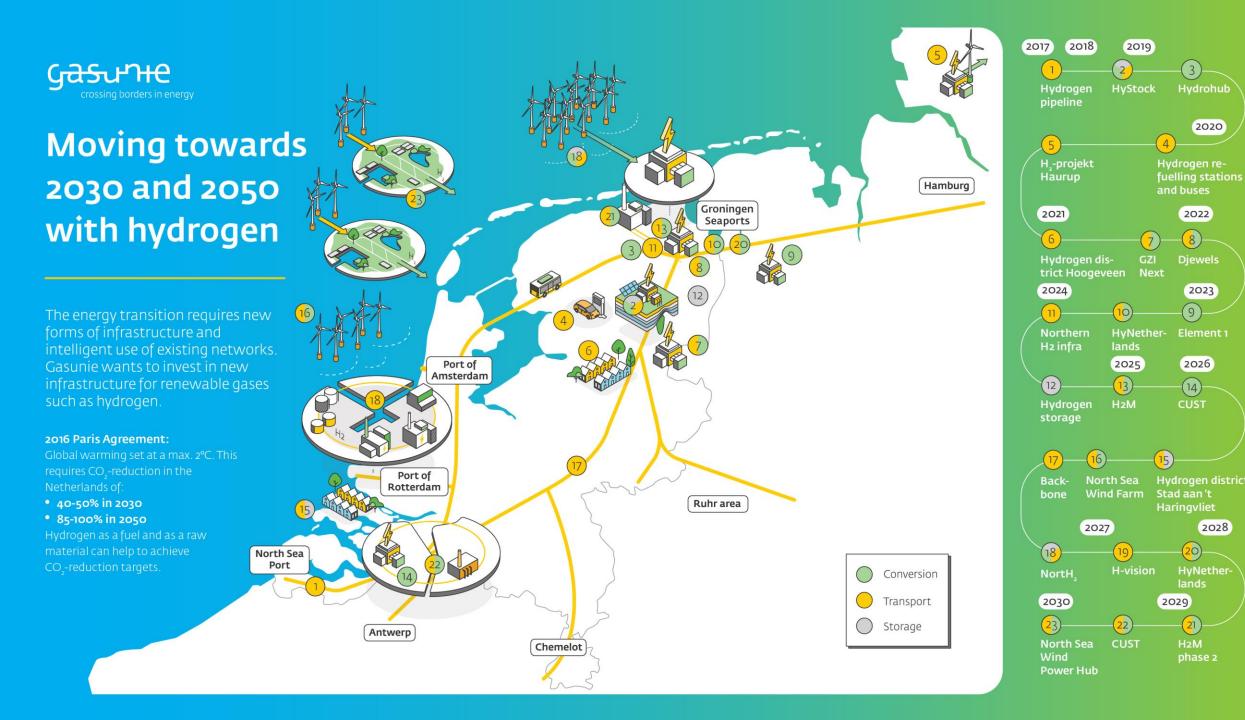
systematic approach



existing project pipeline with >50 committed projects







Gasunte crossing borders in energy