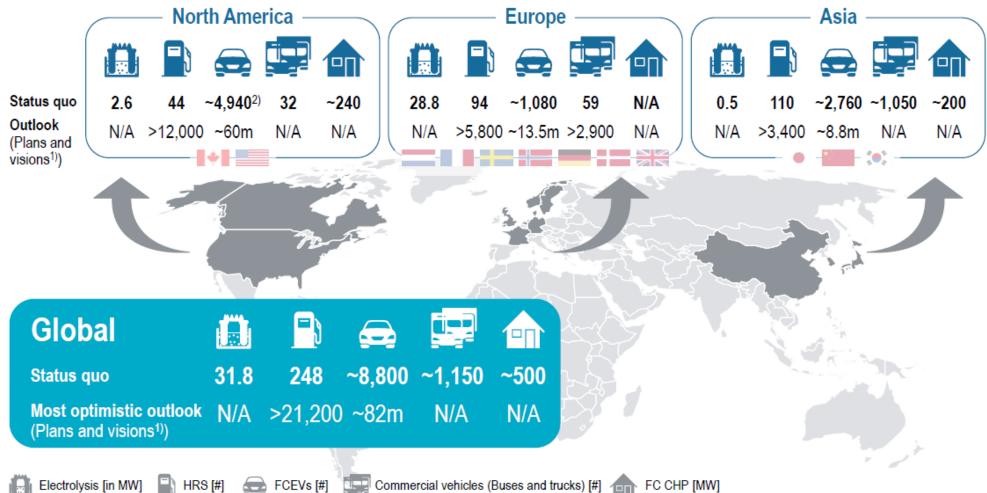


Fostering Deployments – Next steps

11 February 2019

STATUS OF HYDROGEN DEPLOYMENTS

Status and publically stated plans of deployment of FCH technology by continent



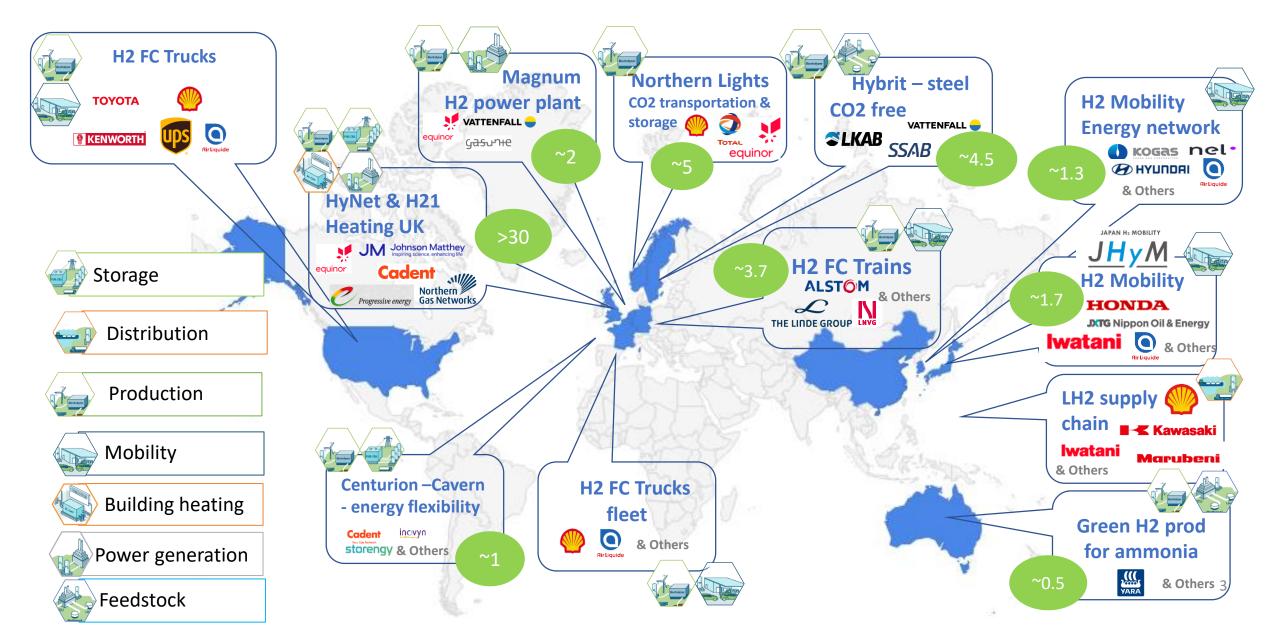
Commercial vehicles (Buses and trucks) [#] ECEVs [#]

1) Sum of government's publically stated ambition worldwide (Long-term 2030+) 2) 4,926 FCEVs in California Source: Public reports and databases; Desk Research; Roland Berger

ON GOING LARGE « FLAGSHIP » PROJECTS



Foreseen CO₂ abatement of project at scale (Mt)



HOW TO GET FROM IDEA TO REALITY

collaboration

Joint

Tokyo, Oct 2018 <u>Tokyo</u> <u>Statement:</u>

Energy

Ministerial,

Ministers recognise H2 potential in energy transition & agree to collaborate in specific areas

Workshop with ministers & CEOs -> Clear buy-in to launch common actions & mandate to develop substance to Tokyo Statement (incl. financing – additional to Tokyo)

WEF, Davos,

January 2019

Joint collaboration to develop an aligned frame for hydrogen deployment through a set of workshops on key bottlenecks; Several events with CEM, MI, WEF.

Agreement on principles -> joint announceme nt (ideally incl. project(s), policy and financing tools)

G20, Japan,

June 2019

Continued shaping of the Alliance-Annual H2 Energy ministerial Meeting (H2 Council, IEA)

> Roll out of agreed actions, tracking & refining

HYDROGEN DEPLOYMENT FRAMEWORK MATRIX

THEMES	CLEAN HYDROGEN	UPSTREAM SUPPLY CHAIN	TRANSPORT	TOPIC DEVELOPMENT APPROACH
RULES / REGULATIONS	Pathways / Rules (Europe lead - Certifhy)	Maritime rules (Japan/Australia lead)	Infrastructure & supply chain regulations (Lead ?)	Public / private workshops (IPHE support)
R&D	Private sector driven	Public / Private	Private sector driven	Public / Private effort (MI support)
MARKETS	All	Energy	Heavy duty, public transport & intensive usage	n/a
EDUCATION	Communication channels & events (public-private driven – CEM?)			n/a
SAFETY	Public / Private			n/a
FINANCING	Policies / Contract For Difference / CO2 Price	Large demonstration schemes	Policies & guarantee mechanisms	Public / private workshops - <i>Hydrogen</i> <i>Council lead</i>

STAKEHOLDER ROLES ?

METI / Governments

Gathers interested governments to share views on the developed topics with an aim to develop common standards and regulations on those which have been identified and discussed – Support from IPHE organisation

IEA

 Build scenarios and roadmaps on technologies and markets deployment, analytical & economical support

Hydrogen Council

- Brings best practices from operational experience
- Provides data to substantiate the competitiveness analysis and decarbonisation pathways roadmap
- Sathers financial players to develop right policy / financial tools

WEF

Helps bring together public and private stakeholders and contributes to the shaping of the long term multilateral public-private cooperation on hydrogen

Hydrogen Council

Thank you for your time!

secretariat@hydrogencouncil.com