Tokyo | September 25th, 2019

## The Renewable and Clean Hydrogen Challenge of Mission Innovation

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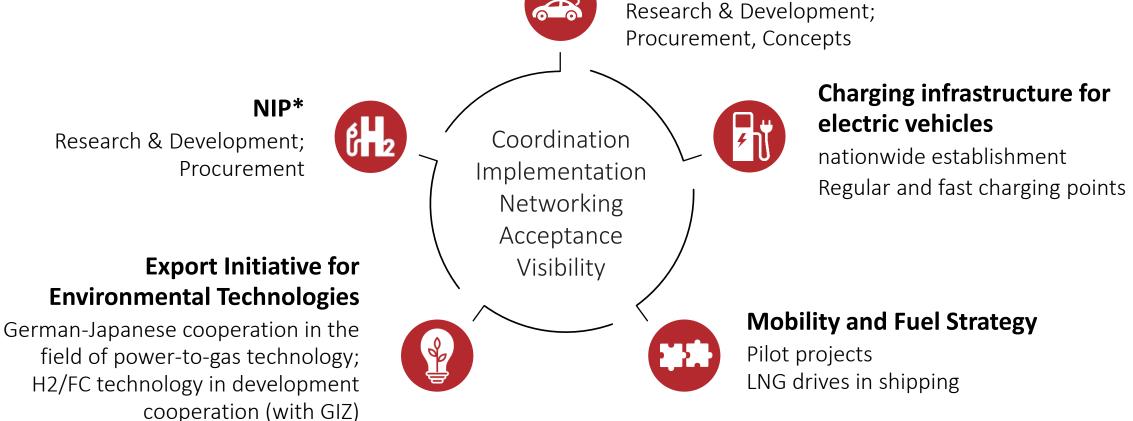
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Dr. Geert Tjarks | NOW GmbH, Head of Division International Cooperation

## TOWARDS ZERO EMISSION MOBILITY

Integrated implementation of national funding programs by NOW GmbH



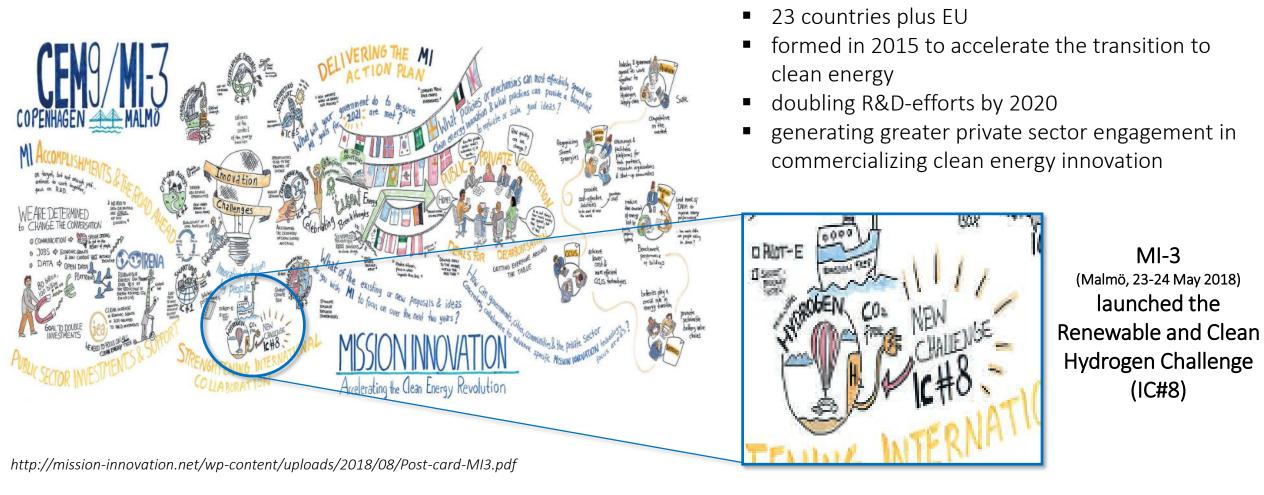


\* National Innovation program for hydrogen and fuel cell technology

Source: own illustration

## MISSION INNOVATION – INNOVATION CHALLENGE #8

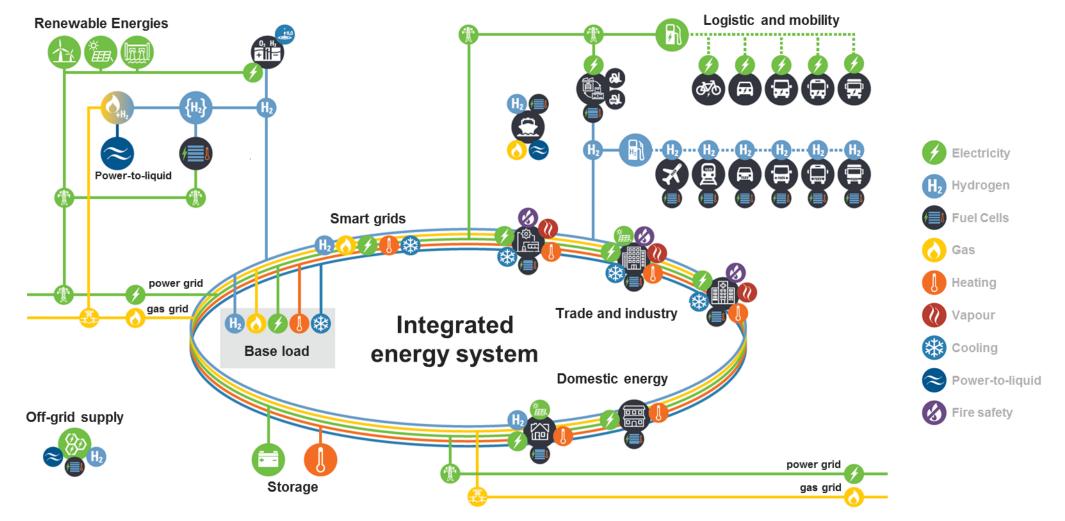


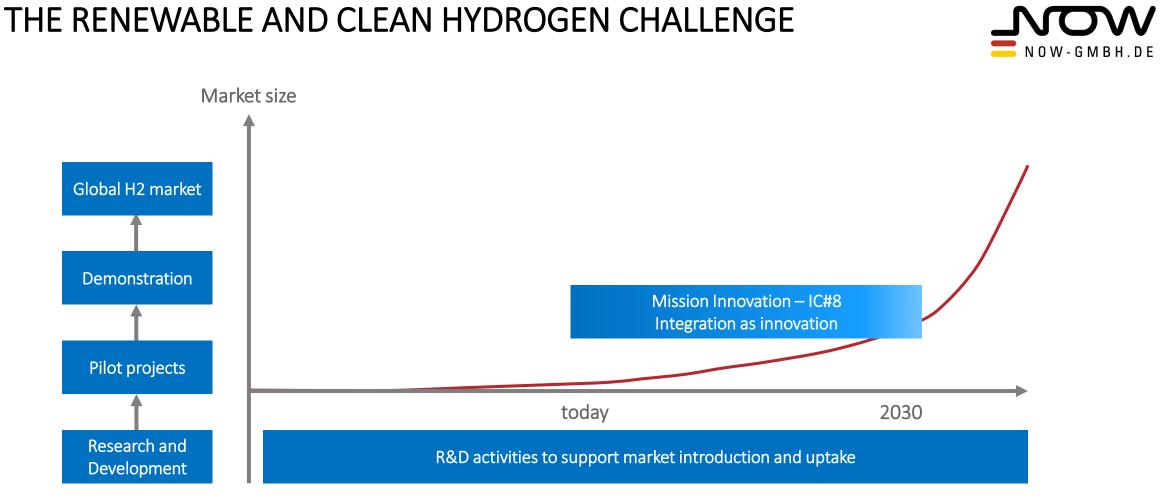


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## HYDROGEN IN THE INTEGRATED ENERGY SYSTEM







Phase of green hydrogen deployment

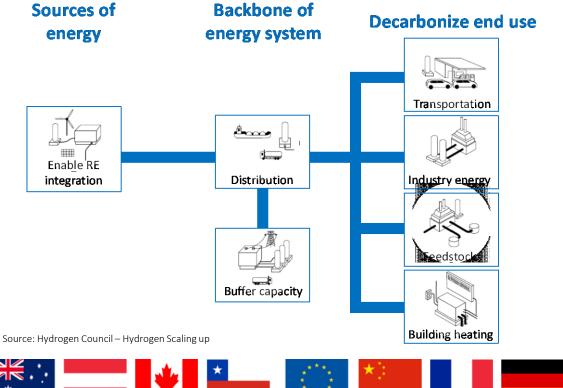
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## THE RENEWABLE AND CLEAN HYDROGEN CHALLENGE



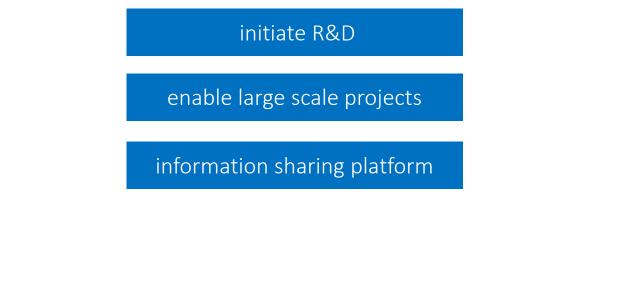
#### The approach

Recognizes hydrogen as a key technology for the energy transition



#### The objective

to accelerate the development of a global hydrogen market by identifying and overcoming key technology barriers to the production, distribution, storage and use of hydrogen at gigawatt scale:





## INNOVATION CHALLENGE #8 – WORKING PLAN





**8**1 March 2019

## POWER AND GAS COMPANIES NEED HYDROGEN TECHNOLOGIES

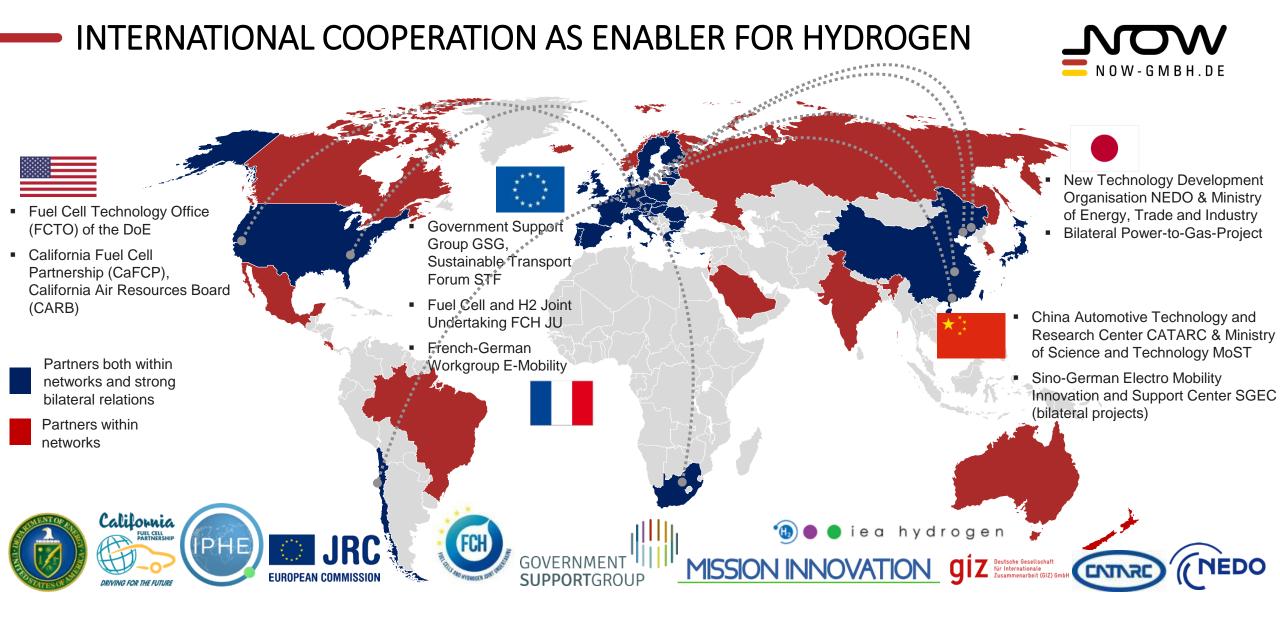
Source: www.tennet.eu

e.g. 100 MW projects proposed to manage increase of renewable energies

🚽 hybridge







## Thank you for your attention!



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