

# Norway seen with European eyes

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Nordics

## We are one of the leading renewable energy developers globally



Investing more than €50 billion gross in green growth



**19 offshore wind farms in operation. Global offshore wind capacity to grow further** from 3.3 GW to 8 GW by 2030 (RWE's share only).



Large onshore portfolio comprising more than 12GW in operation



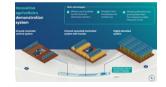
Currently approx. 30 green hydrogen projects in Europe and a target of 2GW in 2030.



Innovation is part of our DNA and thus embedded in everything RWE do. Vibratory pile driving We are investigating new installation techniques to reduce noise emissions



Agrivoltaics Construction of PV plant which simultaneously allows for agricultural use



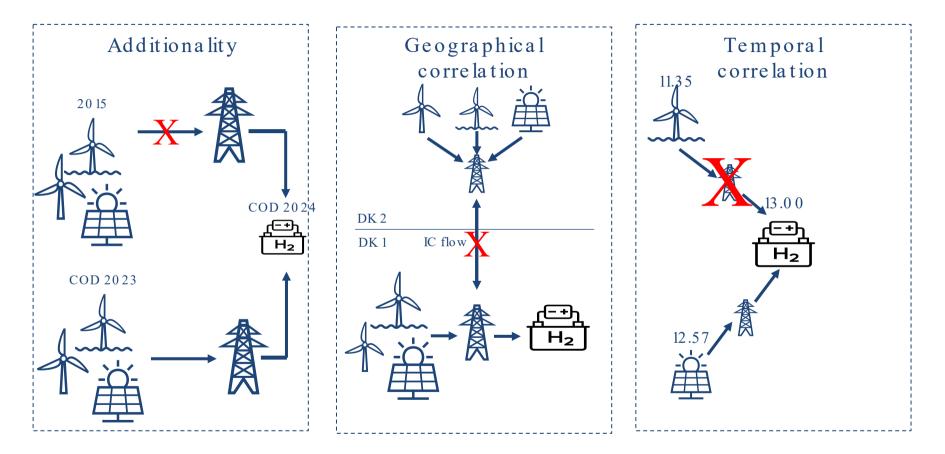
Offshore hydrogen We are part of the Aquaventus initiative driving the production of hydrogen at sea



# As part of an existing 40 - year energy partnership between Norway and Germany, RWE and Equinor has part nered up



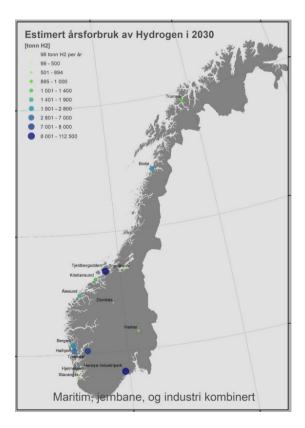
#### EU-rules important in terms of the final LCOH and competitiveness



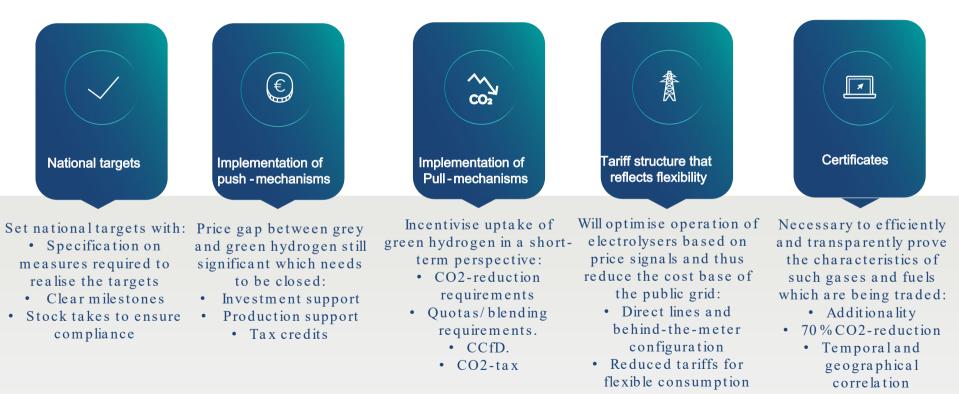
#### Leveraging domestic H2 potential in a short

- Domestic H2 consumption in 2030 estimated to approx. 280.000 tonnes/year.
- Approx. 1.500 3.000 MWe electrolysis capacity.
- Approx. 13.5TWh renewable electricity to be consumed annually.
- Eq. of 3.1GW offshore wind.

#### - to midterm period



## How to leverage the domestic H2 potential



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## Hydrogen pipeline important to leverage the large Norwegian H2 potential.

- The 42% green hydrogen requirement in industry by 2030, will result in a huge demand:
  - 148 TWh/annually
  - 24-47GWe electrolysis
- Germany alone foresees the need for up to 90 TWh of imported green H2 by 20 30



### Now lets build that pipe...





#### Thank you very much for your attention!

For any questions feel free to contact me:

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