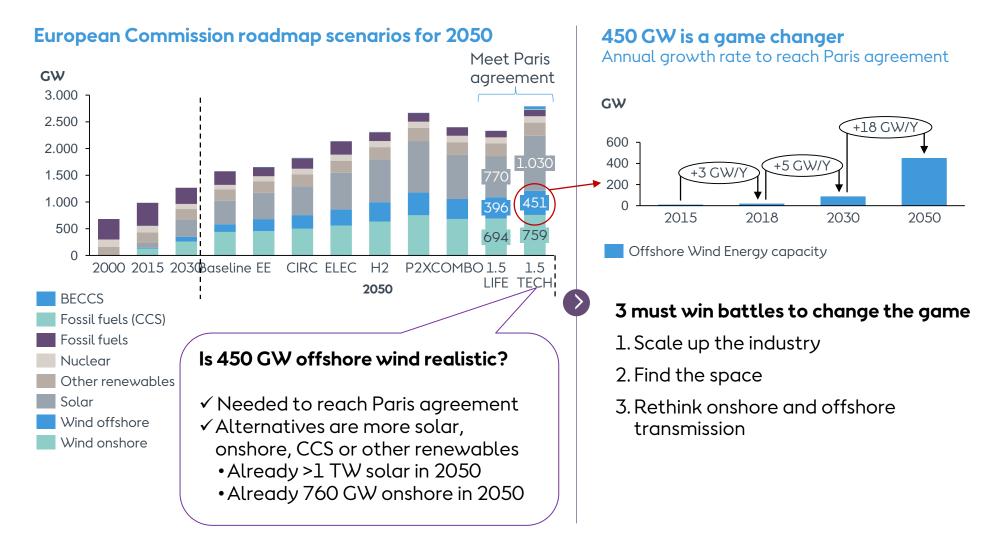
# Wind across borders and sectors

Wind Energy Denmark 2019



Ulrik Stridbæk 1<sup>st</sup> October 2019

### 450 GW offshore wind to reach the Paris Agreement



#### Source: EC Long term strategy

#### Orsted

## Broad support for sophisticated meshed offshore grids, but progress is too slow

National and EU frameworks are not ready for complex assets...



No **regulatory models** in place for 'meshed' hybrid solutions; and even simple hybrids require new models

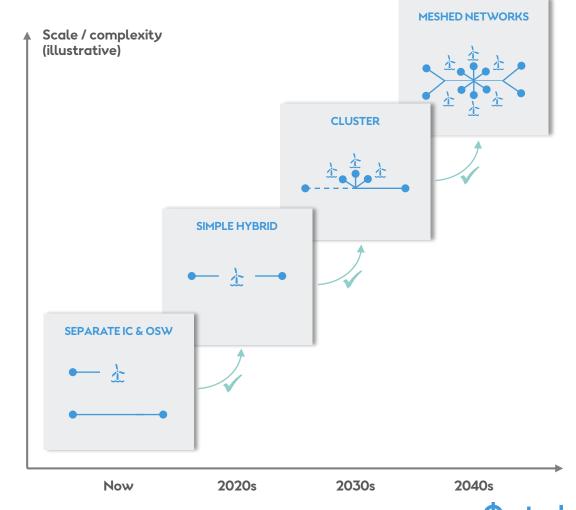


Cross-border **political coordination** required in the context of strong national interests; potentially requiring EU's steer

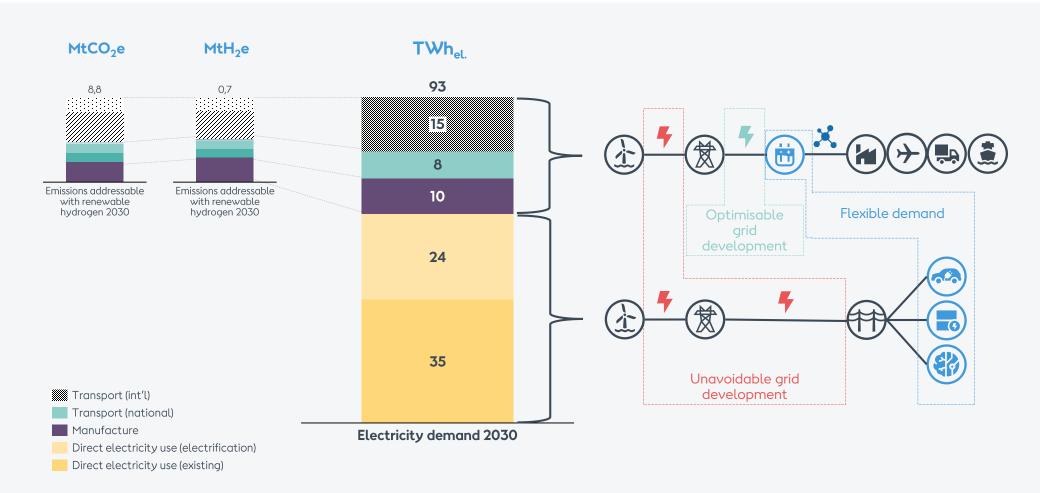


#### **Technology not industrialised** – supply chain development and maturation needed (comparable to OSW in the past)

## ... why individual demonstration projects are needed to pave the way

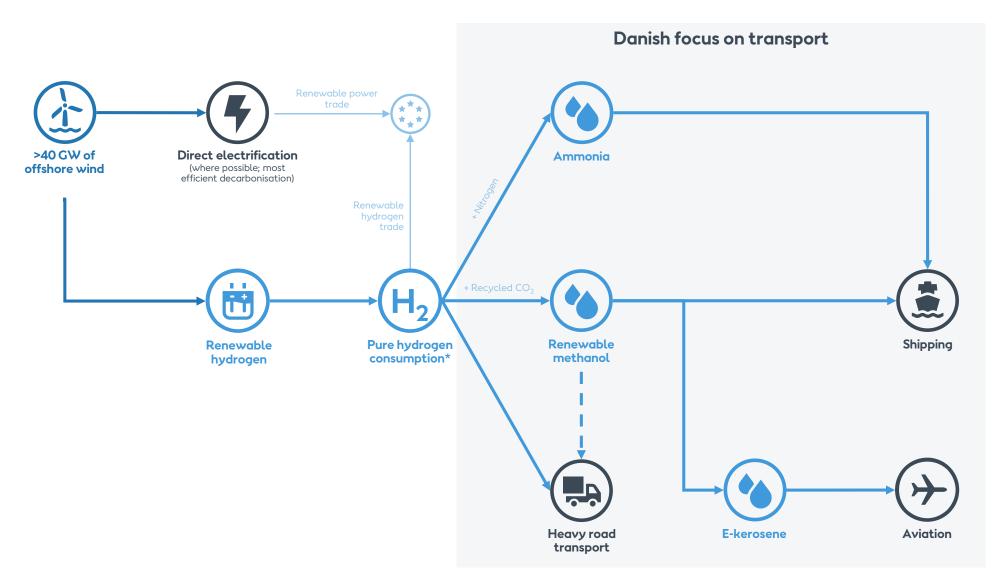


#### Denmark to 70%



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#### A Danish vision for decarbonisation



\*Expected minor role in DK:

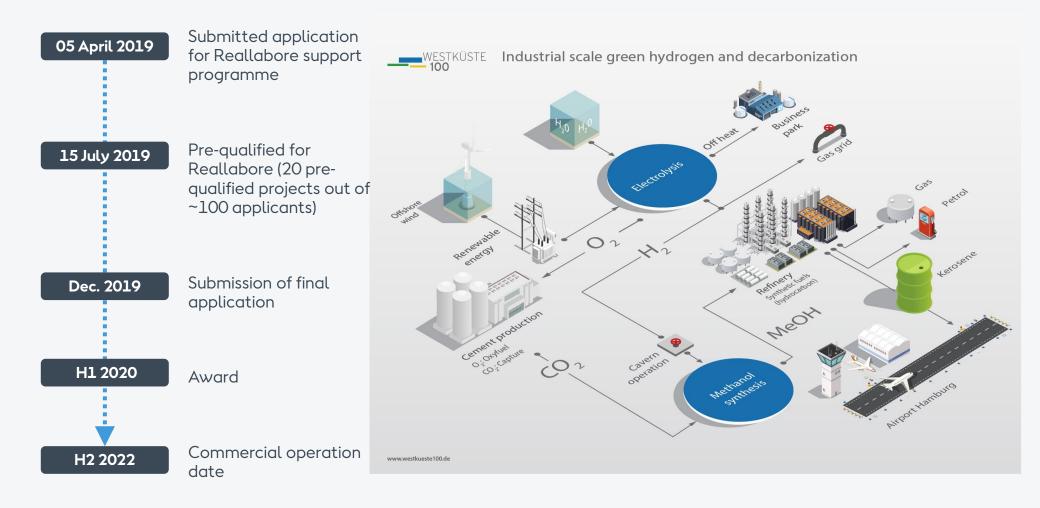
1. Feedstock (incl. refineries and steel);

2. some heavy transport; potentially minor role in light transport

3. Industrial heat

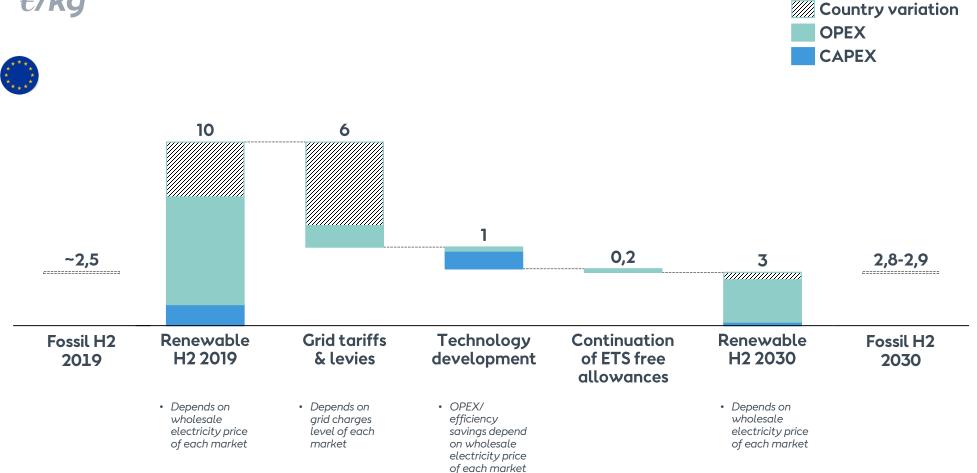


#### Example of concrete project: Westküste 100



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#### LCOH: renewable hydrogen cost-out – Generic/EU €/kg



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