

DANISH DECARBONISATION

Status summer 2020

Torben Brabo, CEO Energinet Gas TSO

GIE CEE WS, 9.7.2020

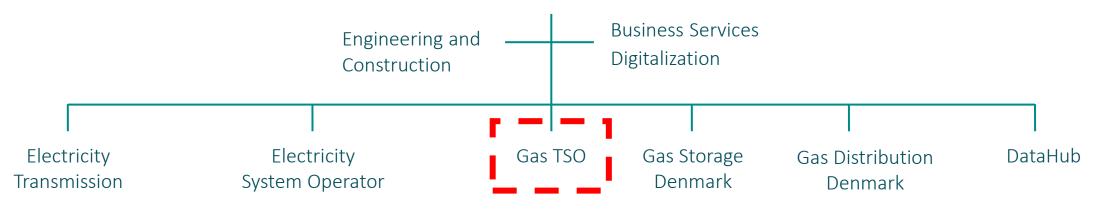
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STATE-OWNED ENERGY INFRASTRUCTURE

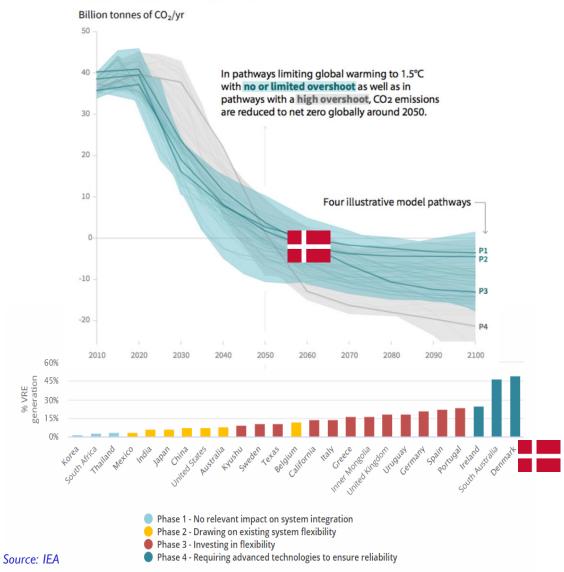
The Gas-TSO is a subsidiary of the independent public enterprise Energinet

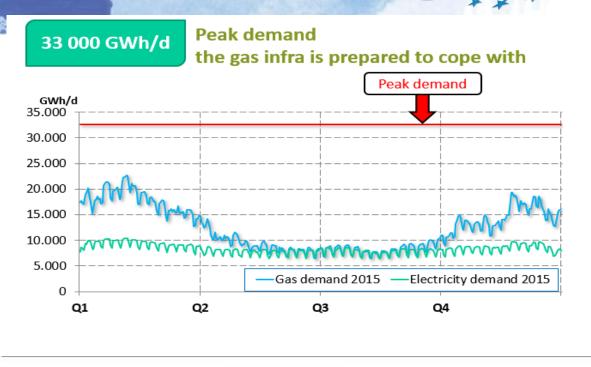


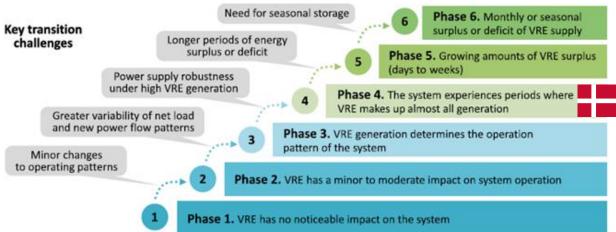


"Saving the planet" changes the need and use of energy infrastructure

Global total net CO₂ emissions









Climate law H Defines goal for 2030+2050:

- REN power From 50% in 2020 to 100% in 2030
- PEC CO2 reduction From 40 % in 2020 to 70 % in 2030 and 100% in 2050

ENERGINET

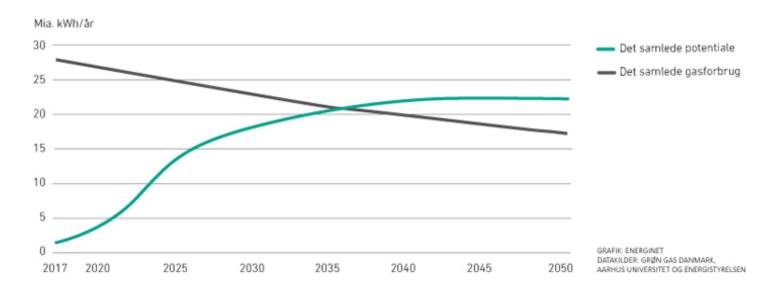
BIOMETHANE AT 20%

- Subsidy scheme phase 2
- Costs are coming down
- Next phase in via tender
- GO's in ERGAR with GER+AUS

Larger biomethane plants



Biomethane could cover 100% in 2035



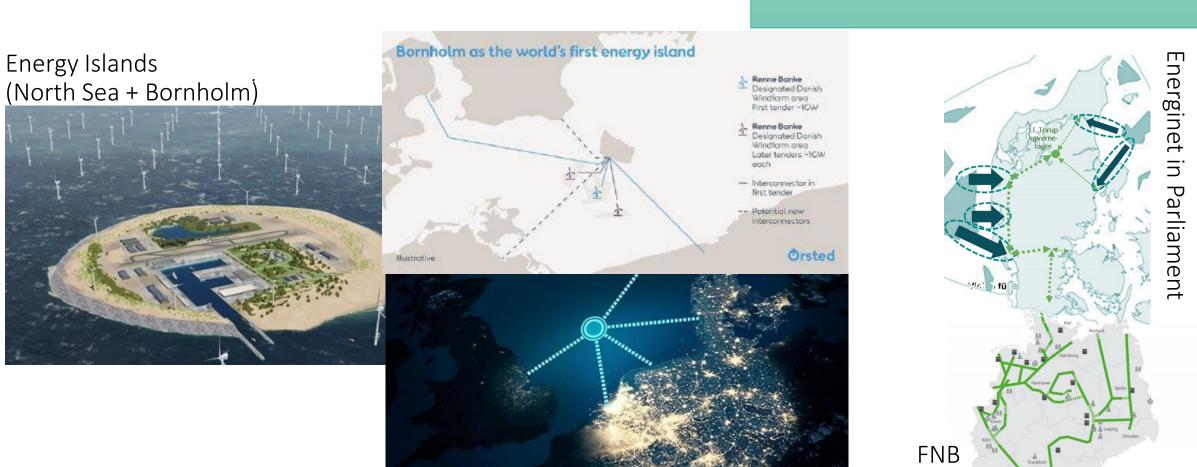
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NEW FOCUS: CCUS, PTX AND H2

Climate Action Plan on energy (step1)

- 6 GW Wind + 2 Energy islands
- PtX for aviation / maratime / HDV
- Biomethane for industry

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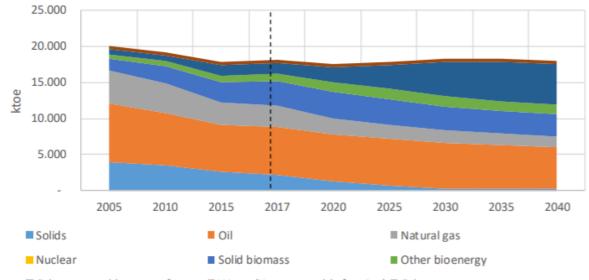
HFO AND COAL TO ELECTRICITY AND GAS

• Hard to reduce sectors

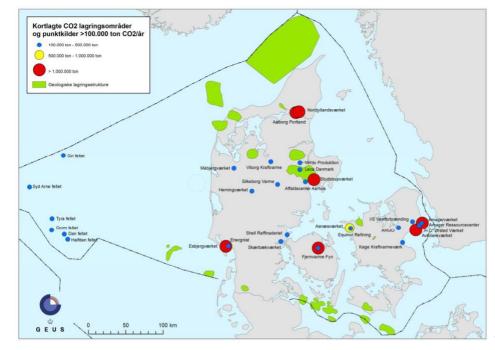
- Might need new NG infrastructure
- Must be future-proof

Coal and oil still at play

Figure 36. Gross inland energy consumption by energy source 2005-2040 [ktoe].



Largest CO2 emitters

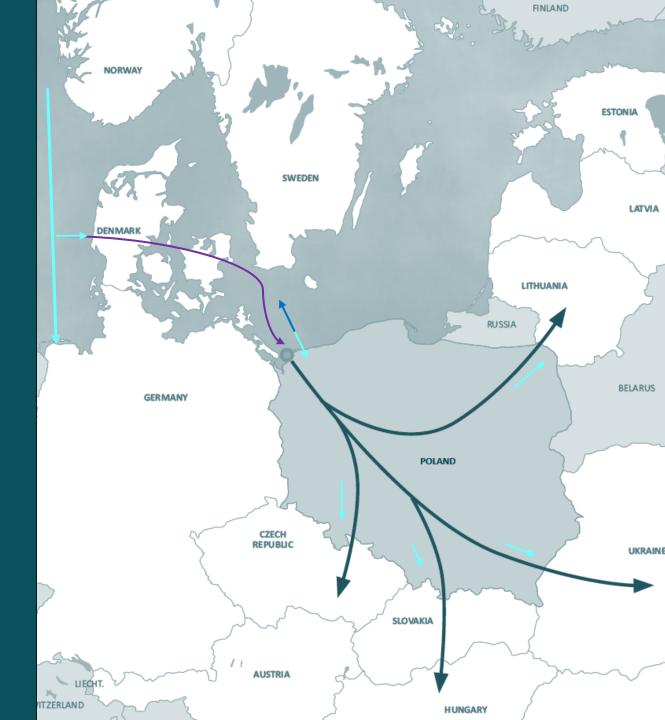


10 BCM PIPELINE CONNECTS EU GAS MARKETS

2 BEUR Baltic Pipe aims at linking Norwegian gas supply and Polish / CEE gas demand while helping to control Danish gas transmission costs.

- **BENEFITS TO POLISH PLAYERS**: Increased security of supply and gas market competition. 20-70 mton CO2 reduction.
- **BENEFITS TO NORWEGIAN PLAYERS:** Direct access to new Central and Eastern European markets
- **BENEFITS TO DANISH PLAYERS**: Maintain low gas transmission tariffs as national Danish gas production and consumptions drops
- EU BENEFITS: Supporting the goal of an EU Energy Union

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THANK YOU

For future contacts.

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