The North Sea Hub – A huge potential for renewable energy
Becoming a region of green fuel production
Power-to-X

Wind park 1400 MW el
Currently planned:
Phase I: pilot 50-200 MW

1. CO2 from wood combustion + Carbon Capture
2. CO2 Ship carrier
   Or
3. CO2 Direct Air Capture
   ((longer term)

Or
1. CO2 from wood combustion + Carbon Capture
   + Oxygen

Water electrolysis Siemens PEM technology

Water ~1.5 Mio t/a

H2 ~1.3 Mio t/a

Methanol synthesis ~1 Mio t/a
~700 tsd t/a

CH3OH

Green Methanol

Antwerpen/Rotterdam/Hamburg

Distribution, further processing
Methanol To...

Siemens part

Market price ?
750 – 1000 $/t

*) First price notation for green methanol at exchange Rotterdam 660 €/t (=760 US$/t), potential for price increase up to 1000 US$/t based on biofuel pricing for comparable CO2 reduction
Carbon Capture from waste combustion
Greatly supported by the Danish research environment

Spørgsmål?

Claus Møller
CEO, Siemens A/S
claus.moeller@siemens.com