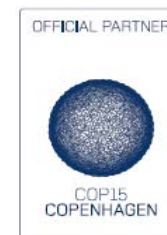


# The future energy mix in DONG Energy



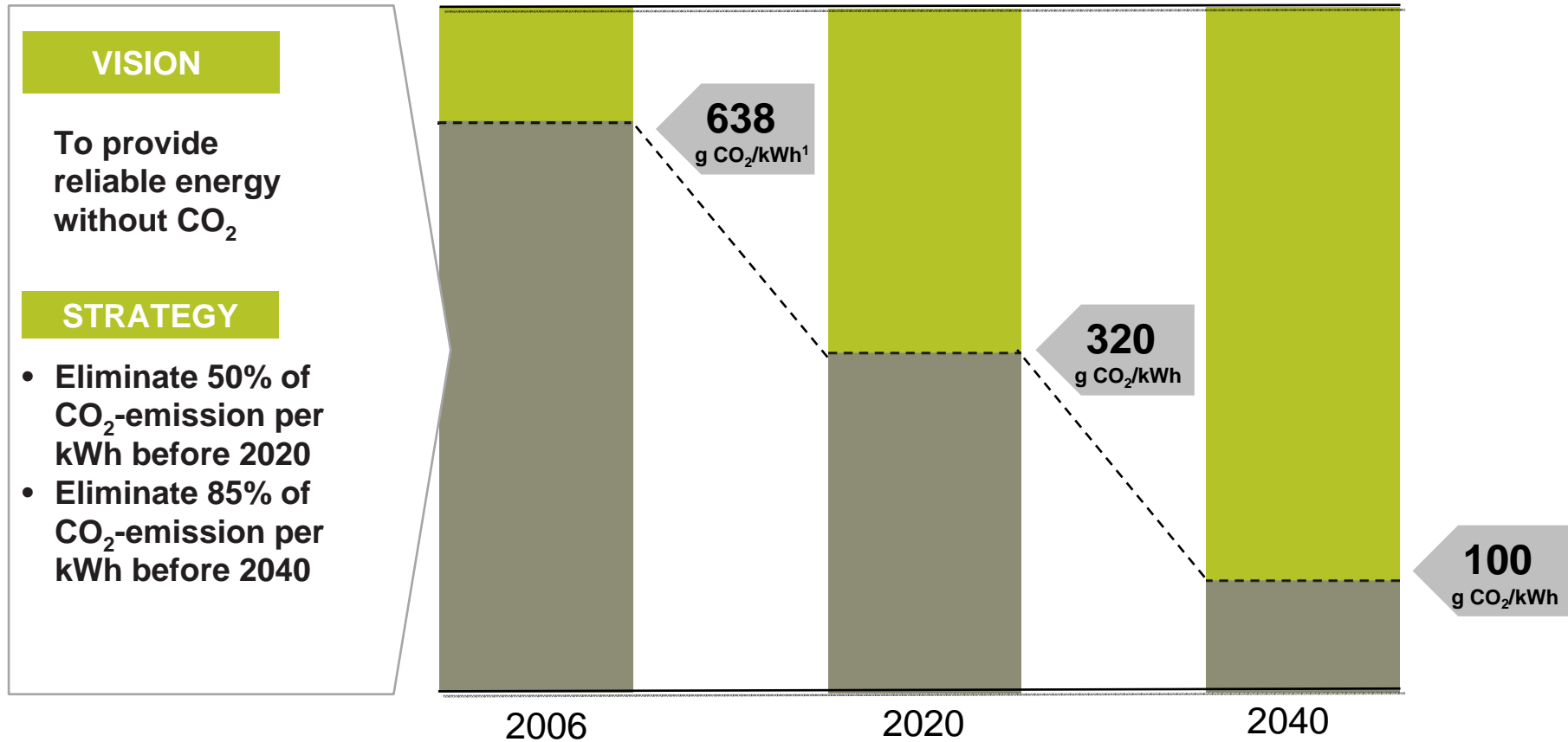
**RETHINK** our energy future  
Copenhagen University, 17 November 2009

Knud Pedersen, Vice President, DONG Energy



**DONG**  
energy

# Strategy for transforming the production of power and heat in DONG Energy



## VISION



To provide reliable energy without CO<sub>2</sub>

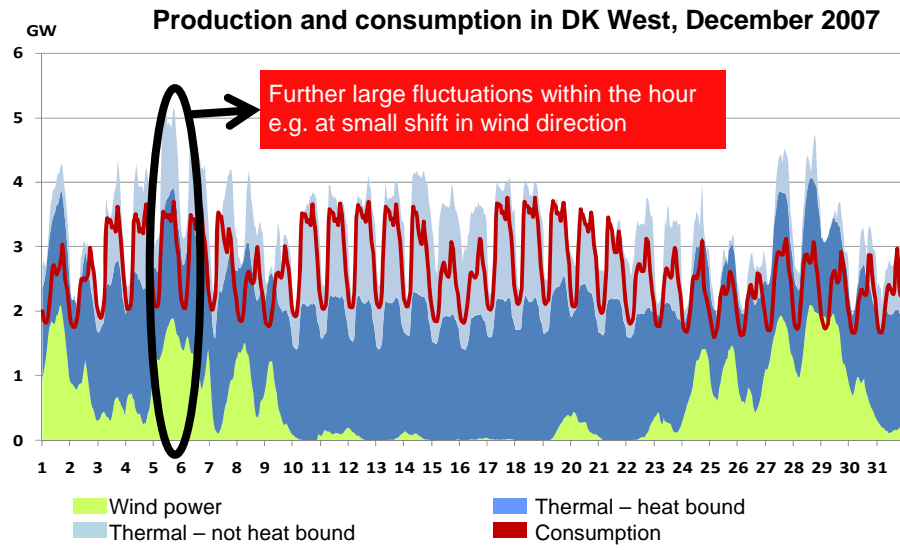
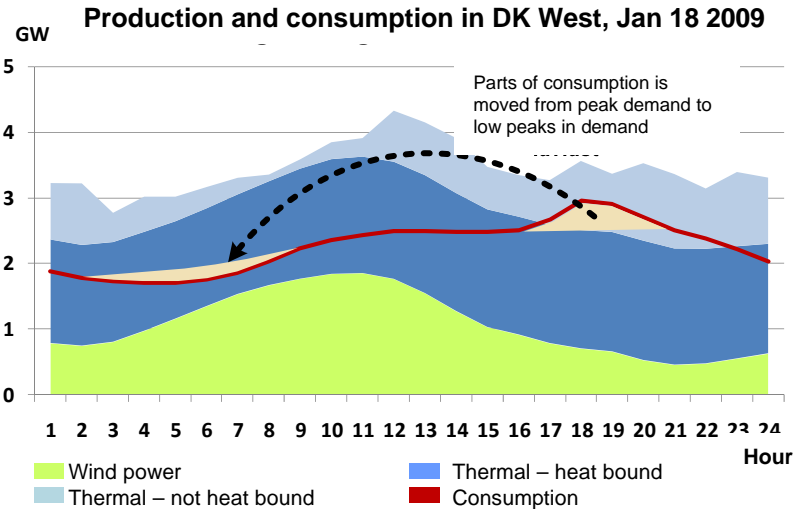
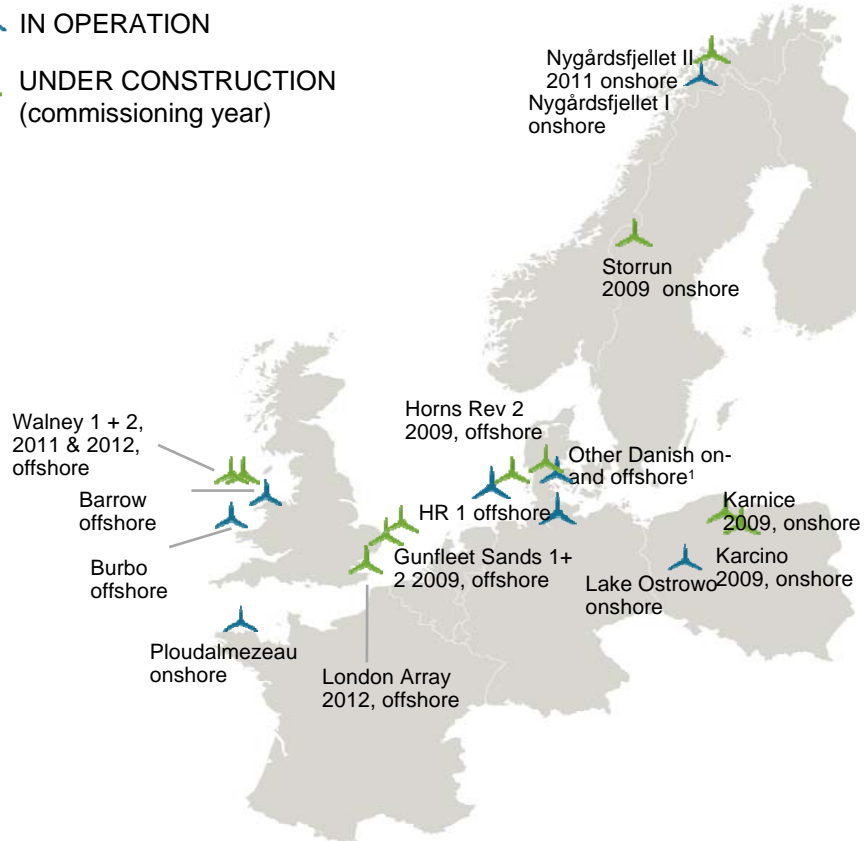
## STRATEGY

- Eliminate 50% of CO<sub>2</sub>-emission per kWh before 2020
- Eliminate 85% of CO<sub>2</sub>-emission per kWh before 2040

1) 2006 total heat and power production 28,5 TWh elec/ CO<sub>2</sub>- emissions 18,2 mt = 638 g CO<sub>2</sub>/kWh

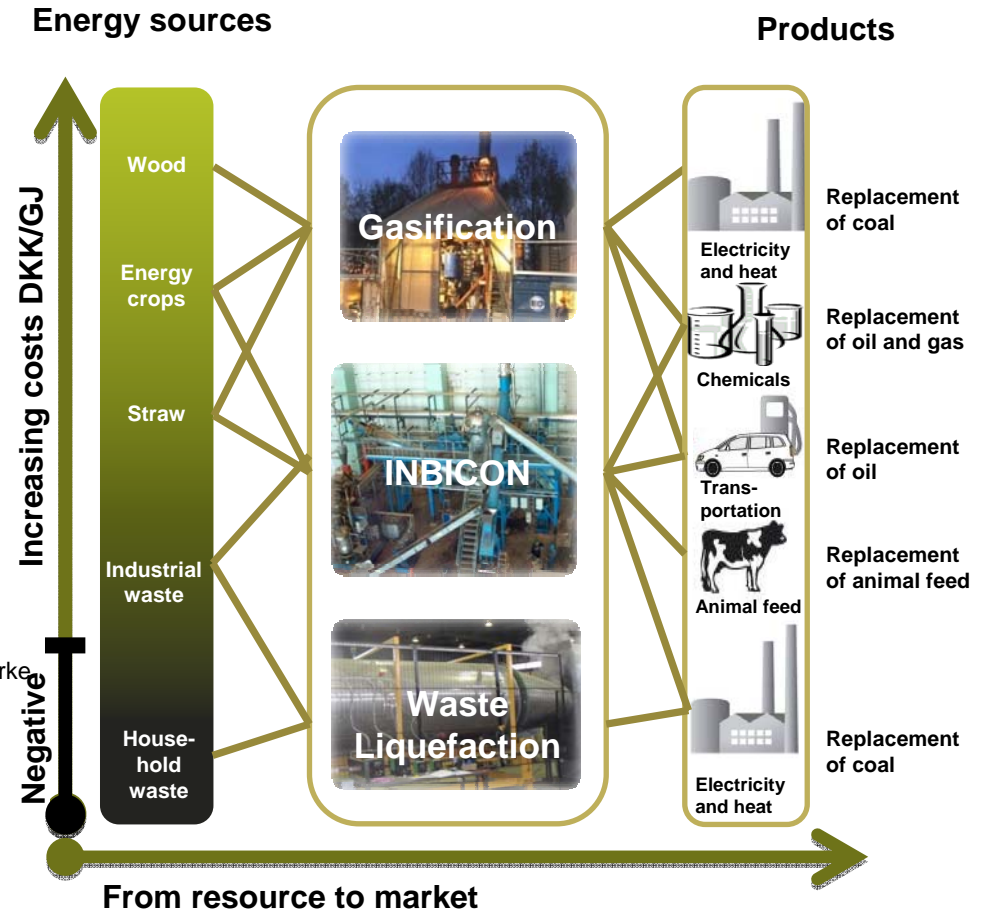
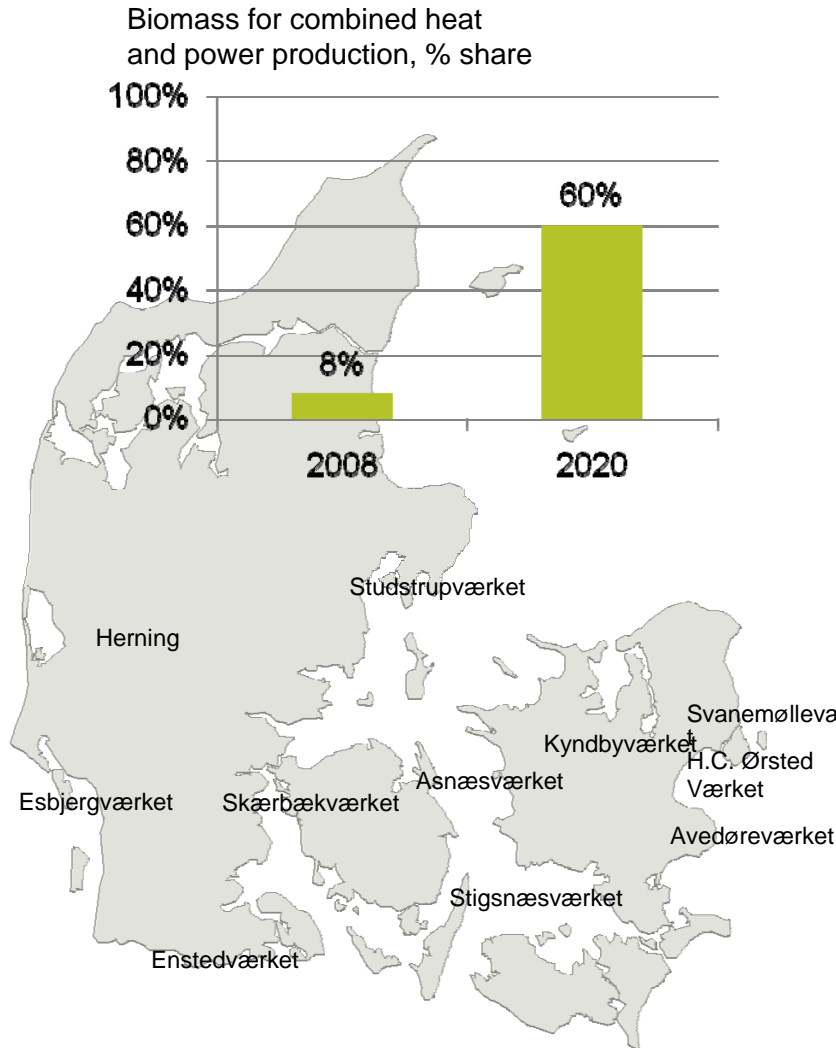
# Wind is key to the low carbon transition however - fluctuating wind is a challenge

-  IN OPERATION
-  UNDER CONSTRUCTION (commissioning year)



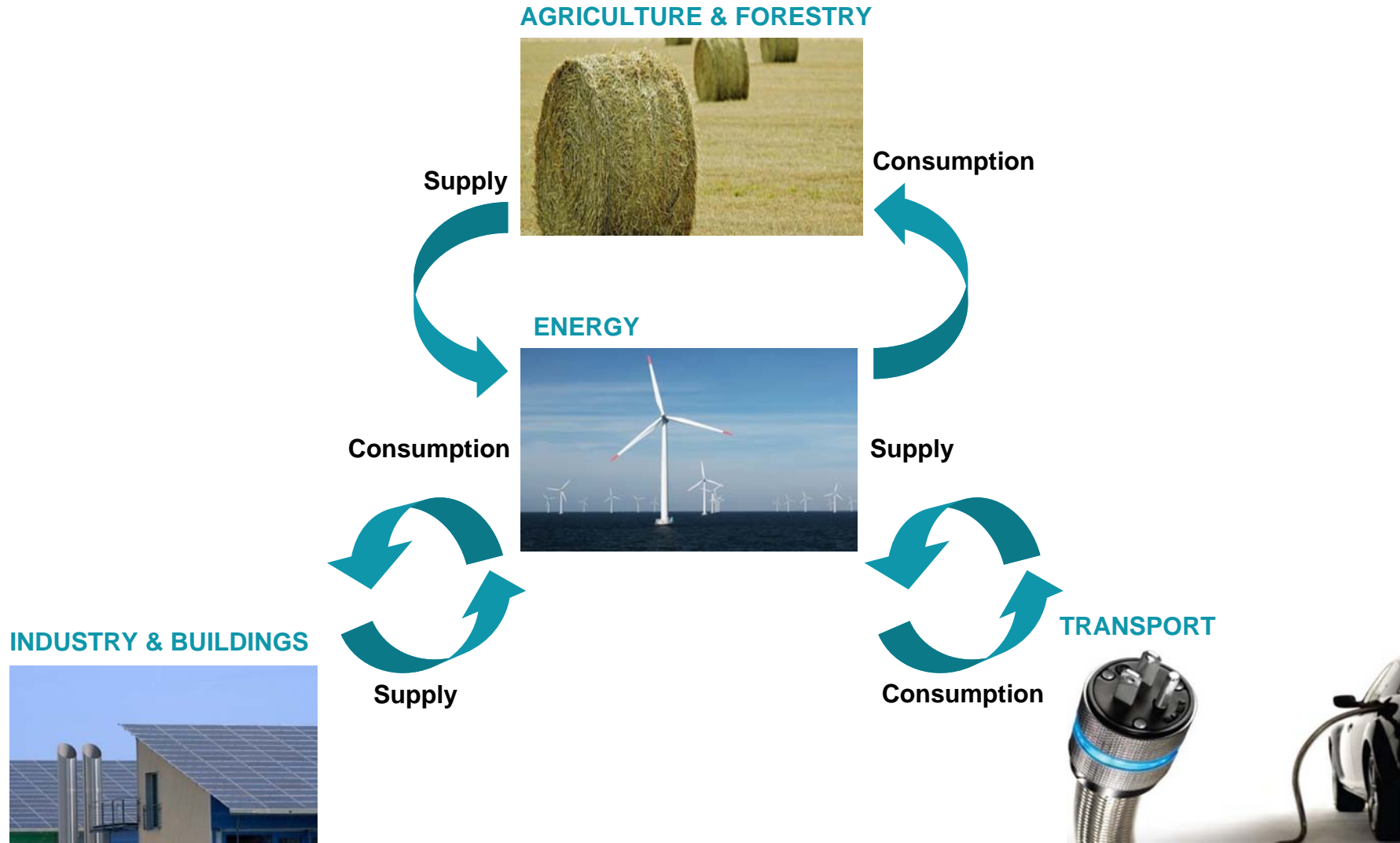
1) An onshore wind farm of 13 MW consisting of test turbines is being constructed in Avedøre Holme outside Copenhagen.

# Biomass has a substantial potential to reduce carbon in Denmark and abroad



Pre-treatment of biomass is an important activity in order to increase the use of alternative biomass fractions and increase the flexibility at the power plant 4

# The role of the energy company in the renewed energy society



Thank you for your attention

