


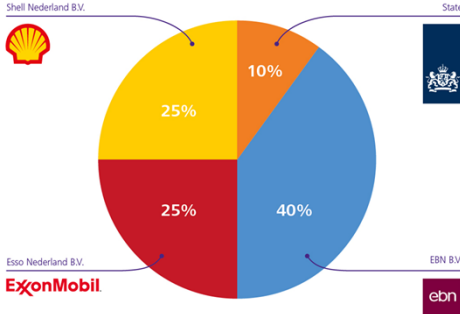
Natural Gas and Energy Transition







Wadden Sea Forum, June 3rd 2013
Warner ten Kate

Energizing the future

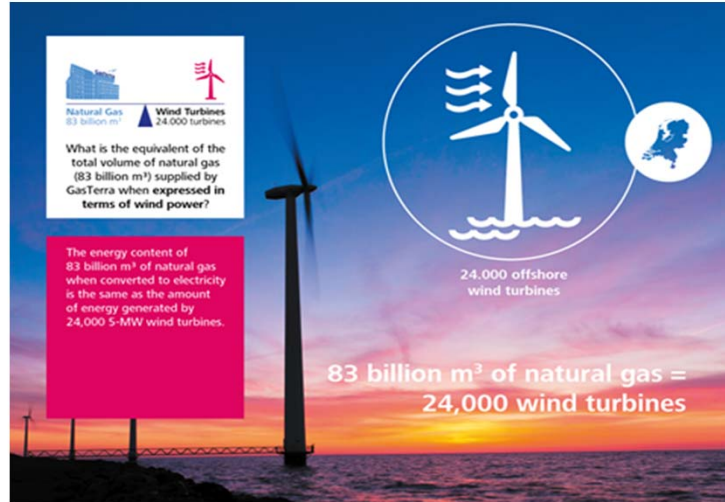
GasTerra



- Gas Trading Organisation
- Based in Groningen, Netherlands
- 83 BCM 
- 23 billion € 
- 200 



Think BIG!



GasTerra

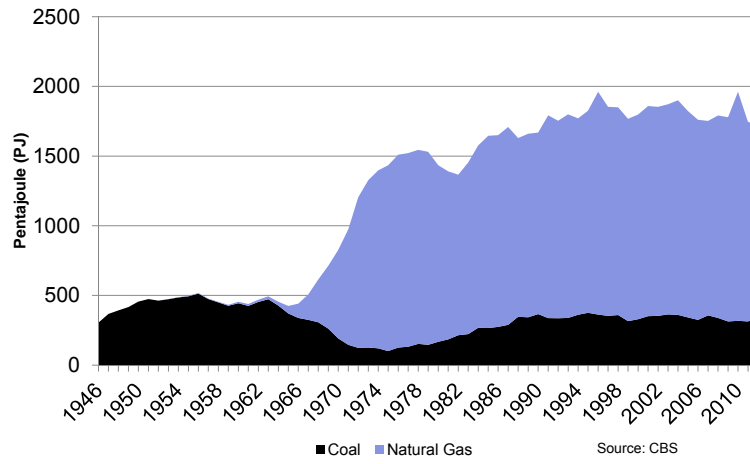
Energy Transition?

- 'Energy transition' offers an approach that will lead to a more sustainable society based on renewable energy and energy systems that are increasingly dependent on renewable sources coupled with cleaner fossil sources and a more efficient use of energy



GasTerra

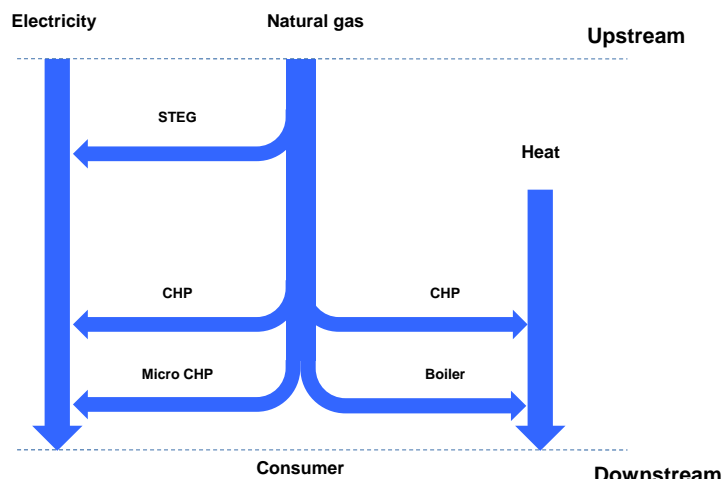
Part of transition since 1963



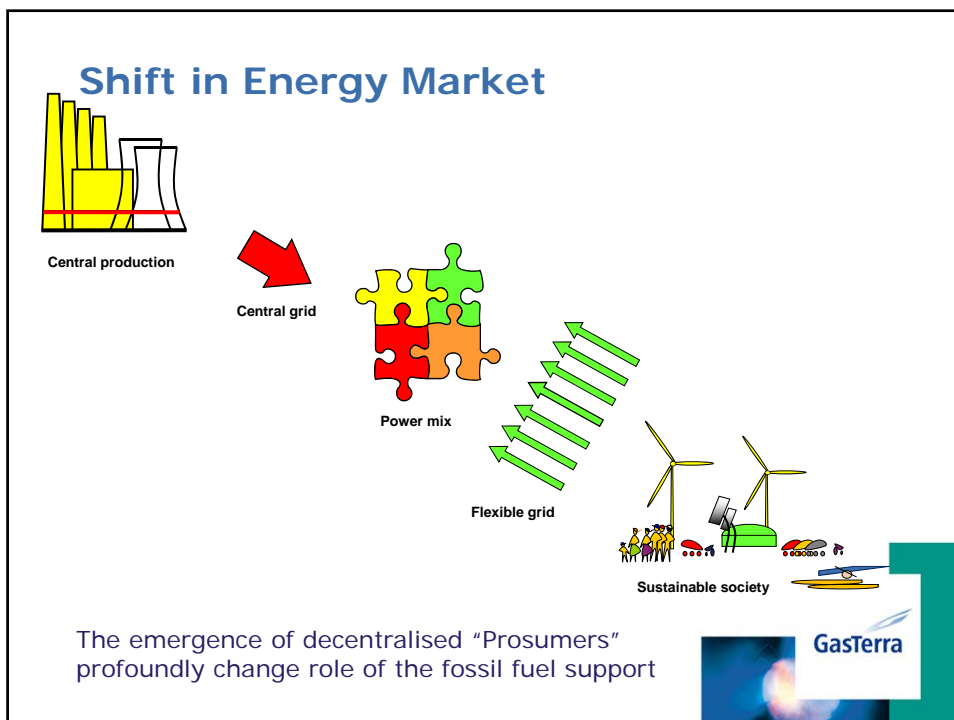
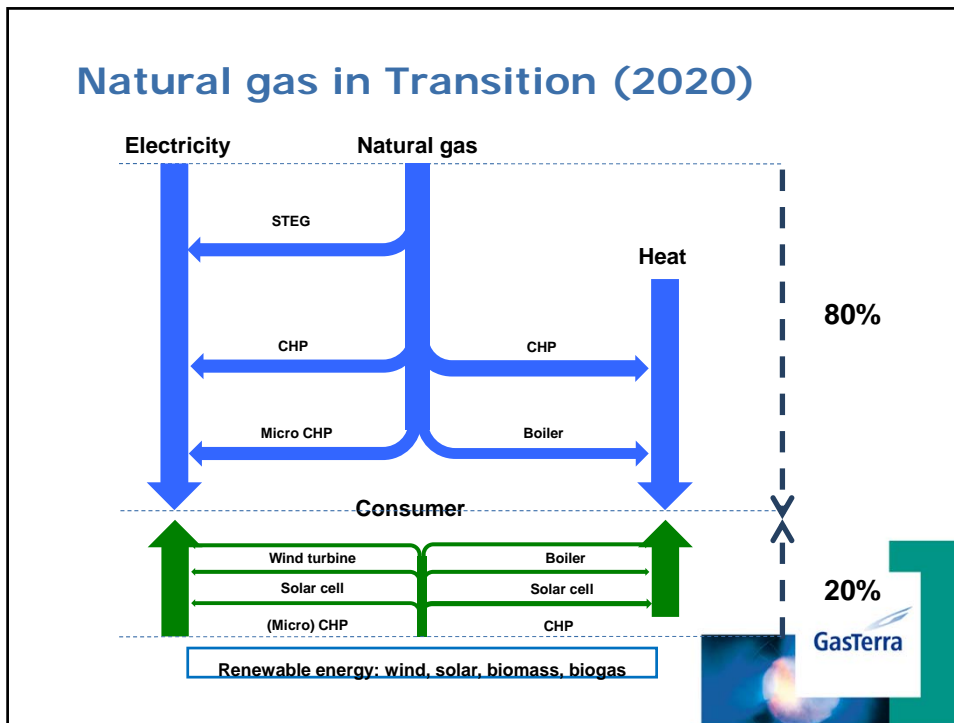
Natural gas has provided Dutch households with a cheap, secure and clean source of energy

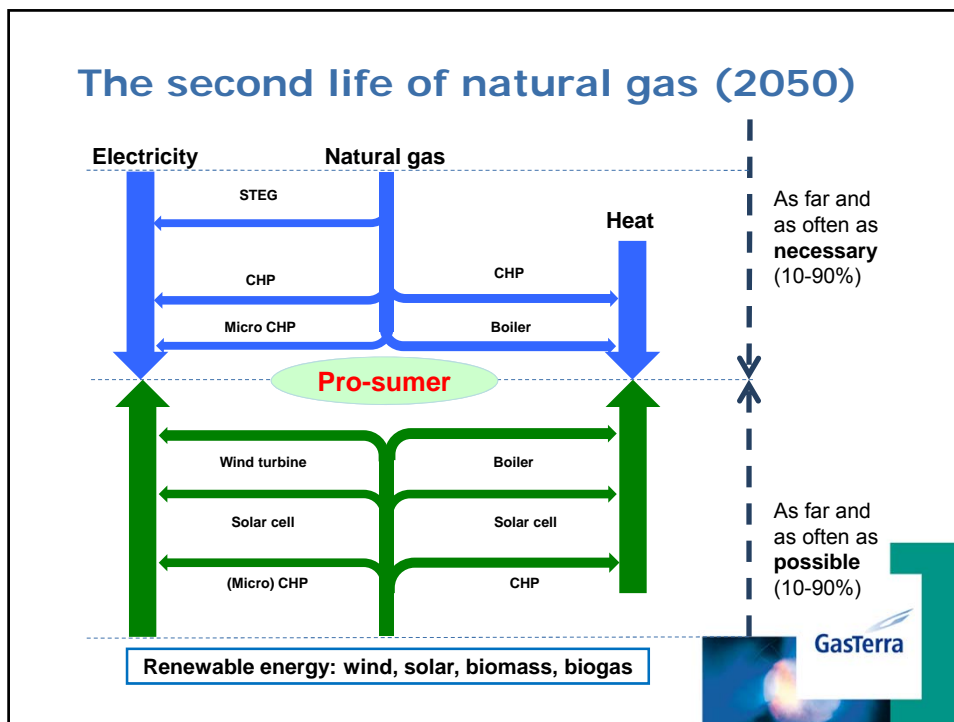
GasTerra

First life of natural gas (1990)



GasTerra



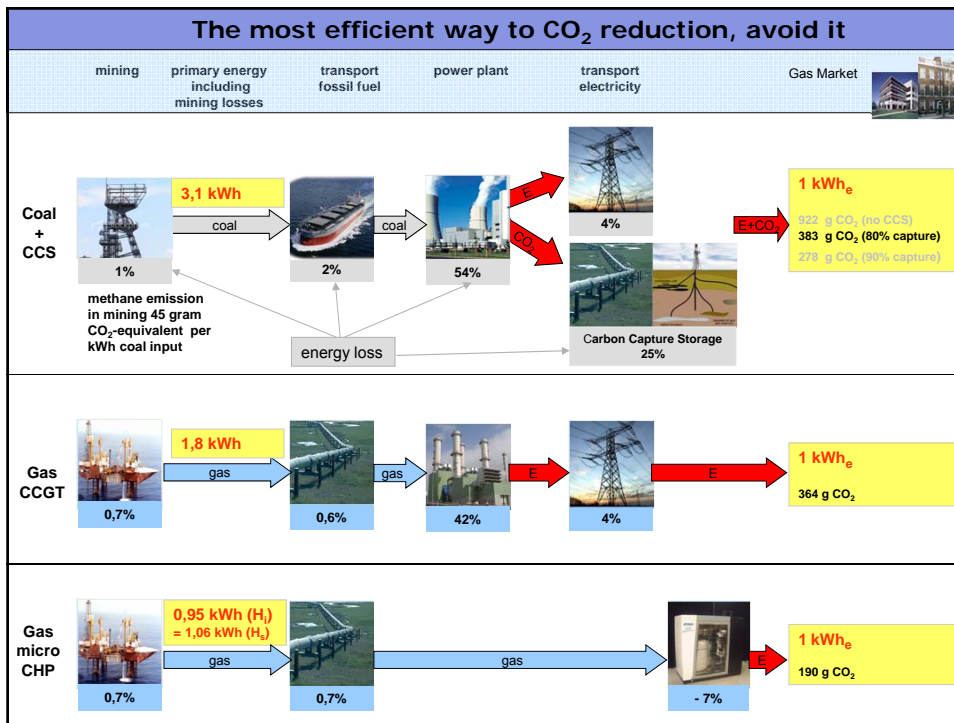


Future of/for Gas in the Netherlands?

- The natural gas industry is looking at ways to increase the efficiency of the supply chain
- Power-to-gas:
 - Using the network as a source of flexibility
- Green Gas:
 - using methane from landfills and producing gas locally
- Gas in transport:
 - Considerable challenge to make road transport (more) sustainable
- Efficient usage:
 - Micro-CHP and Fuel cells that deliver power and heat at maximum efficiency

An efficient energy transition is key!





To summarize...

- Natural gas provided nearly half of primary energy consumption in the Netherlands in 2012
- Replacing this source of energy is a formidable challenge
- A decentralised energy supply will require infrastructure to adapt
 - New technologies to increase efficiency and reduce carbon footprint
- Natural gas can increase efficiency of the energy transition

Thank you for your attention!





www.gasterra.nl