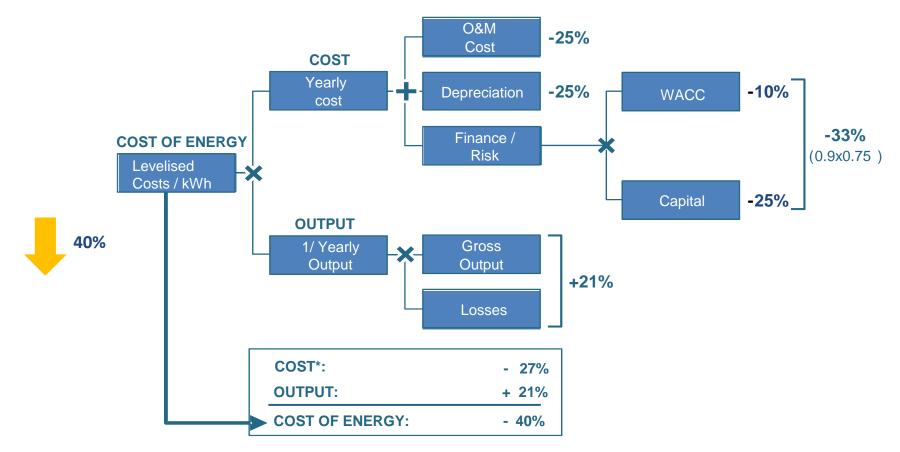


20 augustus 2014





## LCoE reduction target of 40% by 2020



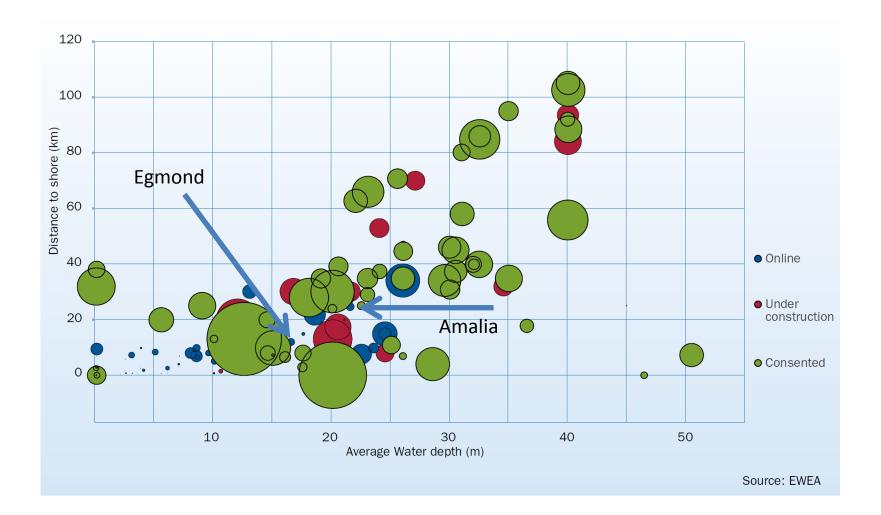
\* Based on the following allocation of cost: 25 - 35% O&M, 40 - 50% CAPEX, 20 - 30% financing

20 August 2014

**Racing Aeolus** 

# Bigger, deeper, further











#### **Overview cost reduction**



### Wind farm

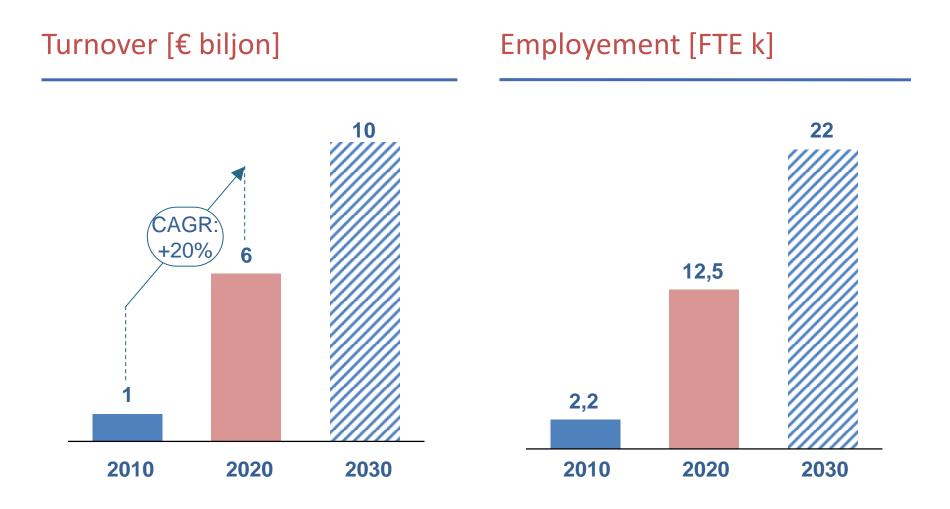
#### Sector

#### System

- R&D / technical development from TR1 to TRL 7
- 5 theme's
- Value engineering
- Learning by doing
- Economy of scale
- Chain integration (vertical cooperation)
- Competition
- Policy (support, permits, space, R&D)
- Industry politics
- Energy system (incl. grid), transition

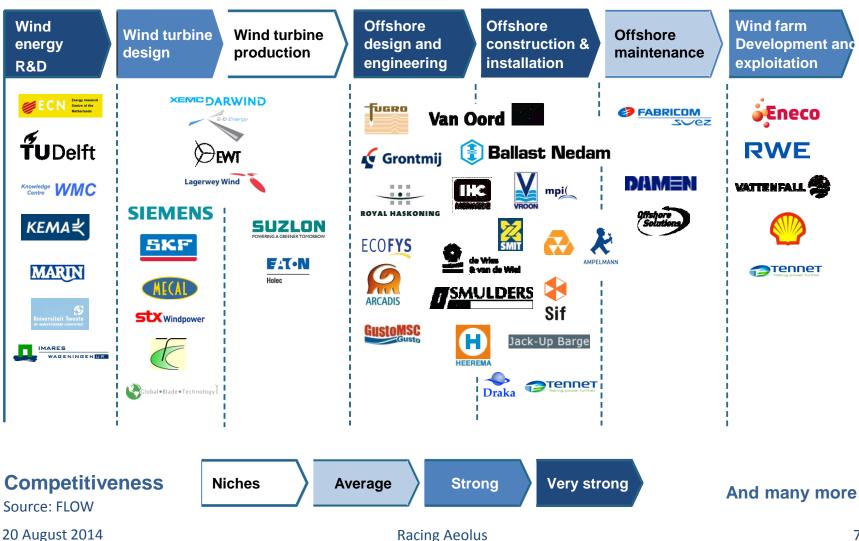






## Dutch Offshore Wind A strong sector with high potential





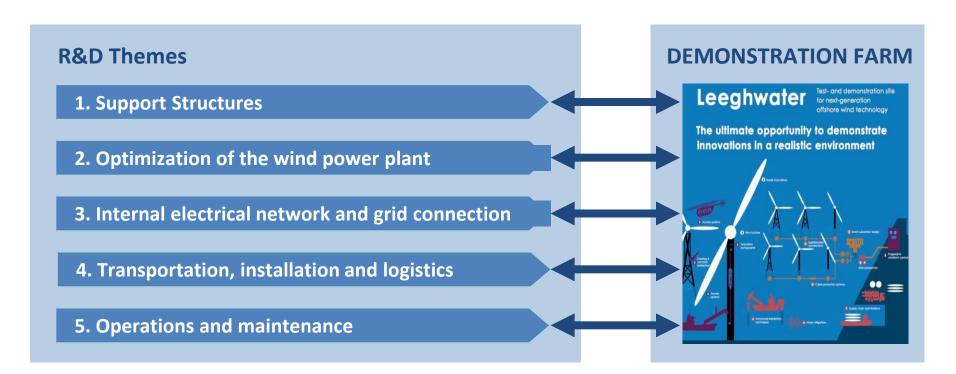
🔋 Ballast Nedam

Walney 2 Offshore Windfarm

Irish Sea near Barrow in Furness 

# **R&D** and demonstration









WF

# Gains insight in the effect of extreme waves on offshore wind turbines











## Revolution in offshore pile driving













- Find support for your R&D challenges
- Demonstration
- Find your career in a growth market
- Make your innovation available to the market
  - The "innovationbroker"
  - innovatiemakelaar@tki-windopzee.nl