### Welcome at:

# We@Sea's Results

(Jos Beurskens)



### The birth of the We@Sea programme

- Initiated by ECN and TUDelft and designed in cooperation with all relevant stakeholders (2002 – 2004)
- Bridging gap between WE sector's optimism and the offshore sector's skepticism (2002/2004!)
- Awareness needed for policy measures
- Create opportunities for the industry
- R&D topics inspired by demand



## We@Sea consortium; present status (32)

#### **R&D** Establishments

- ECN windenergie,
- TNO
- TU-Delft
- WMC BV

# **Environment, nature** & safety

- IMARES
- Bureau Waardenburg
- TNO
- Greenpeace
- Stichting.Noordzee
- University Twente

#### Wind turbine manufacturers

- GE wind energy
- Vestas
- XEMC Darwind

#### Offshore technology

- Ballast Nedam
- Fabricom
- Fugro Engineers BV
- GustoMSC
- Lloyd's Register NL

#### **Project developers**

- E-connection,
- Evelop
- Shell Wind Energy BV

#### Wind energy technology

- Smulders Group
- Siemens

#### **Energy consultants:**

- Kema Power
- Ecofys

#### **Energy sector**

- Delta
- ENECO
- Nuon/vattenfall
- Statkraft
- TenneT

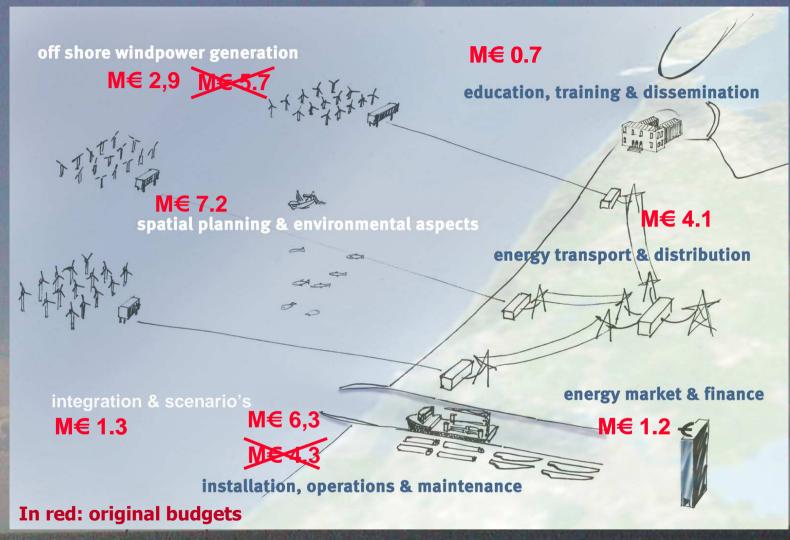
# Logistics and harbour development

STC BV

#### **Financiers**

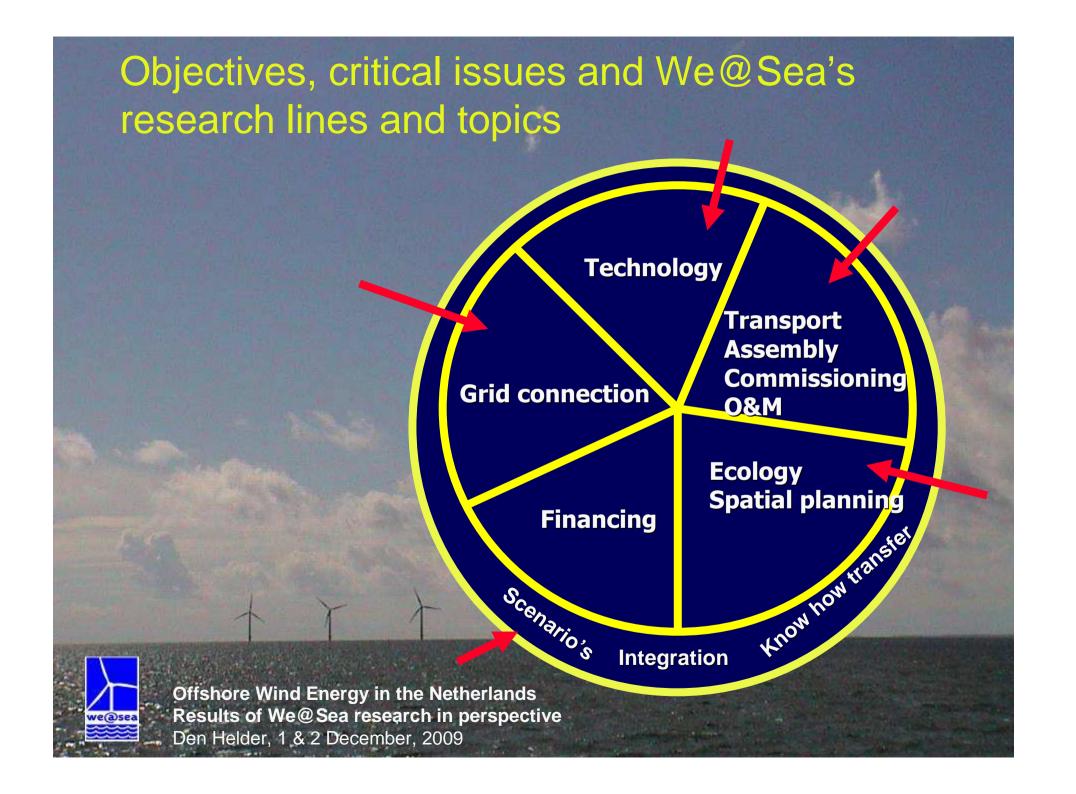
NIBC

## The We@Sea programme structure

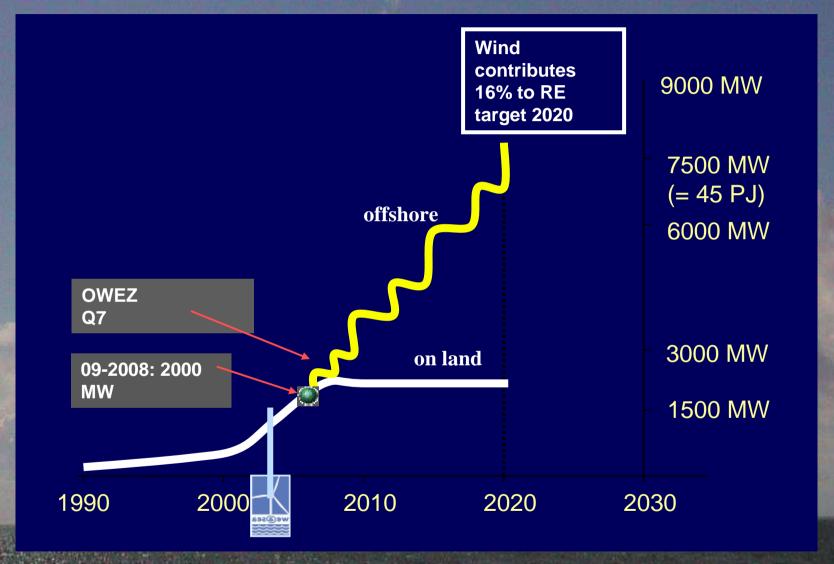




Offshore Wind Energy in the Netherlands Results of We@Sea research in perspective Den Helder, 1 & 2 December, 2009



### We@Sea and the deployment of WE





Offshore Wind Energy in the Netherlands Results of We@Sea research in perspective

Den Helder, 1 & 2 December, 2009 Note: The energy-unit [PJ] refers to fossil fuels being replaced.

### 1.1 We@Sea and the deployment of WE





Source: TUDelft Offshore Engineering

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## Today's Programme

- Dutch Offshore Services (ATO, Bertrand van Leersum)
- Offshore Policy of the Netherlands; the Dutch industry's view (NWEA, Ton Hirdes)
- Results: Electrical power from the sea, Ecology, Technology, Policy

# Tomorrow's Programme

 Three parallel sessions/workshops: Ecology, Technology, Infrastructure



### Structure of the sessions

- Results
- Relevance & applicability
- The broader (international) perspective



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