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Introduction

Offshore wind farm lifecycle and supply chain
Assessing local effects

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Project supported within the Ocean of
Tomorrow call of the
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Framework Programme



Offshore wind is a proven contributor to the;

- Achievement of national of renewable policies
- Reduction of carbon footprint
- ‘Clean’ electricity supply
- Job Creation

**Industry ahead of schedule regarding cost reduction targets
so likelihood that industry will continue rapid growth**

**Future - Bigger windfarms, larger turbines, deeper water,
bigger vessels etc.**

The pace and scale of development is critical for the industry sustainability

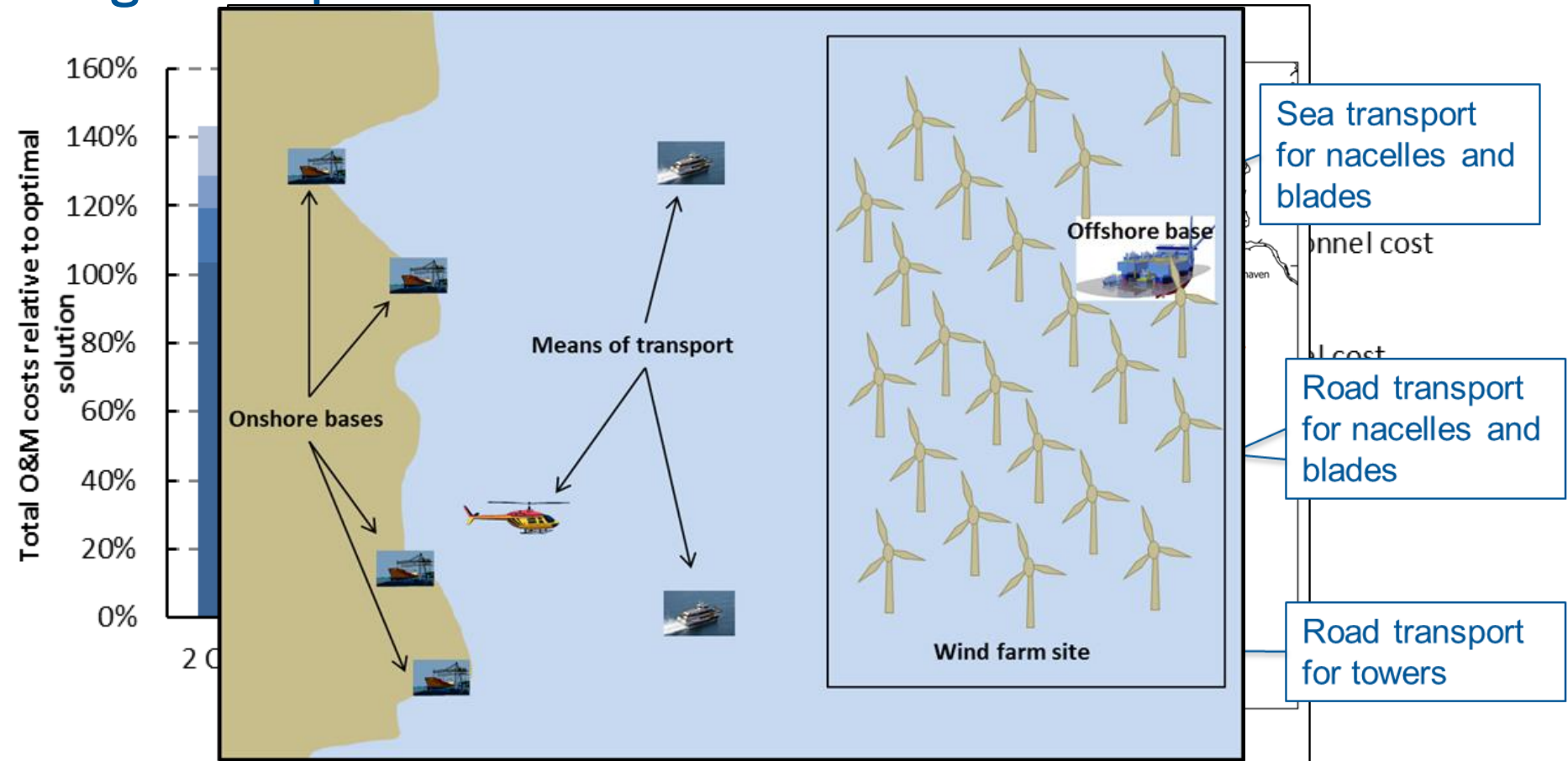
However it cannot be a case of progress development at any cost

Would we introduce innovations/new procedures solely to reduce cost and neglect assessing broader non technical impact

National Regulatory Agencies apply stringent controls but industry must also be proactive

Must be conscious that the status of an industry can be fragile in relation to public opinion and national policy

FP7 Leanwind project committed to delivering innovations in foundation design, vessel development, O&M and logistical optimisations and more



Innovations tested and validated from financial, technical and non technical perspectives.

This session focuses on Life Cycle Analysis (cradle to grave) and local impacts

- Potential Environmental and socio economic impacts
- LCA to assess environmental effects of different foundation types
- Port of Oostende study
- Financial models

LEANWIND Consortium



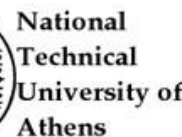
Coordinator



52% Industry Partners

Aims to be industry relevant and not simply an academic project

Project Partners





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**Thank you very much
for your attention**