

OFFSHORE PORTS AND SME'S:

A challenge for innovation

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Offshore ports and SME's: a challenge for innovation

Core objective : how to involve SME in logistics in offshore wind industry

- 1. Offshore wind industry : identification**
- 2. SME**
- 3. Is there a business case**
- 4. Obstacles**
- 5. Future actions**

Ontdek Haven Oostende



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1. Offshore wind industry : stages of wind farm development

- **Pre-installation and subsea activities**
- **Component production**
- **O&M**
- **Repowering**
- **Decommissioning**
- **Project management and development**



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- 1. Offshore wind industry : identification**
- 2. SME**
 - Ports as SME , bridging land and sea
 - Port services for offshore wind development



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3. Is there a business case

- **Actual situation: approx. 5500 turbines**
- **Prognosis 2030 : 10 000 offshore wind turbines (70 GW)**
- **Annual rhythm of installation: 6 to 7 GW, representing 600 turbines**
- **Annual rhythm of O&M: 10 000 offshore wind turbines x 2FTE**
- **Annual rhythm of decommissioning : 600 wind turbines**
- **Annual rhythm of repowering and life expansion: 600 turbines**

All operations need to be supported by port operations (landside/seaside) and related port services

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4. Obstacles :

- **Ports**
- **Port services and suppliers**



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5. Future actions :

- **Short term : Ports and supply chain event 2019**
- **Mid term: innovation in maritime industry and offshore port logistics**





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