



EUROPEAN TECHNOLOGY & INNOVATION  
PLATFORM ON WIND ENERGY

# Breakout 3

# Industrialisation

# Scope of the discussion

- Considered R&I areas must
  - benefit from a collaborative approach including industry and academia
  - fit for a funding period **starting in 2018**.
- Timeframes:
  - Short term = results expected by 2020-2025
  - Mid term = results expected between 2025-2030
  - Long term = results beyond 2030

**What is industrialisation? Our view... and we are open for suggestions:**

**Critical mass and common technical** solutions that are deployed by a wide range of end users, and other stakeholders in the value chain.

*“Developed the scientific basic for industrialisation”*

# Industrialisation - Defining the timelines

Priority	Delivery by 2020-2025	Delivery by 2025-2030	Delivery post 2030
<p><b>Standardisation (both “commercially” and technical):</b></p> <ul style="list-style-type: none"> <li>- Foundation concepts and secondary steel design</li> <li>- Offshore substations structures</li> <li>- Installation methods</li> <li>- Logistics including equipment</li> <li>- Quality requirements, surface treatment, welding, cable terminations</li> <li>- Testing and validation (Blade quality, and subsystems)</li> <li>- Digitalisation of the offshore wind sector</li> <li>- Sustainable end-of-life recycling and disposal</li> <li>- Optimized safety factors for serial production (No over engineering)</li> </ul>	Yes		
<p><b>Regulatory Market Requirement &amp; Harmonisation:</b></p> <ul style="list-style-type: none"> <li>- Heli hoist platform design, Aviation and maritime signal and marking, Fire protection.</li> <li>- Certification, design codes and standards.</li> <li>- Quality standards and manufacturing inspection requirements.</li> </ul>	Yes		
<p><b>Value chain development:</b></p> <p>Extended value chain cooperation between project developers and key vendors</p> <ul style="list-style-type: none"> <li>- Steel, concrete, composite structures manufacturing technology.</li> <li>- Measuring method development</li> <li>- Welding technology</li> <li>- Cross licencing of solutions / IPR's</li> </ul>	Yes		



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Thanks for your attention

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