MARLIN
Modular Floating Platform for Offshore Wind

‘Global Energy Access for Coastal Communities’

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Existing Technical Concepts

Source: NREL
‘Fixed’ Foundations

‘Floating’ Foundations

Source: Principle Power
## Problem

<table>
<thead>
<tr>
<th>Pro</th>
<th>Con</th>
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<tbody>
<tr>
<td>Coastal Location</td>
<td>- Fossil Fuel dependency</td>
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<tr>
<td>Good Offshore Wind Conditions</td>
<td>- Nearshore Water too Deep</td>
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<tr>
<td>Energy Mix ‘MW’ Power Requirements</td>
<td>- Distance from Marine Construction Yards</td>
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<tr>
<td>Basic Quayside</td>
<td>- Economically Viable Options</td>
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*Source: Mitsui*
Solution

- Floating Offshore Wind
- Configurable Modular System
- Standardised Freight Transport
- Subsea Construction
- Patent Pending
Infrastructure
Not Required
Innovation Overview

- Floating offshore wind in Range of water depths
- Shipping Containers
- Mobile cranes
- Conventional vessels
- Underwater final assembly - Remotely
- Sub-assembly from multiple rivers, ports quays
Configurable Designs
Markets

Assumptions
- Competitor Product Size
- Regional Mobile Crane Services
- Regional Vessel Operators
- Demonstration
- Certification and Compliance

Commercialisation
- 5 Year plan to full production
- Ex Works Sales of Basic Product
- Sell Modules
- Remote Subsea Assembly
- Training and licences
- SIDS Initial Markets

Funding & Support
- UK IP Office Award
- Innovate2Succeed
- ERDF Software Spec.
- Innovation Grants
- Innovate UK
Next Steps: Market Knowledge & Funding

• **Specific Country requirements**

• Public Grant Funding

• Private Investment

• Sector Specific Business Expertise
Thank You

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