



Milford Haven Port Authority

Infrastructure Support for the MRE Industry in Pembrokeshire

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Where we are

- Milford Haven





What we have

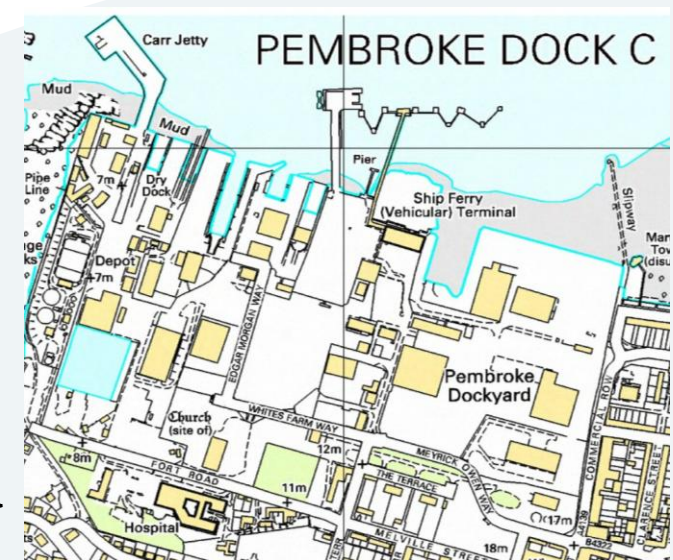
- Pembroke Port
- Milford Docks





What we have available

- Pembroke Port Gate 1 - Quays 1 and 2
 - Quay 1 150 m length 7.0 metre depth
 - Quay 2 100 m length 4.0 metre depth
 - Available laydown area (in 5 plots) 2.4 Ha
- Pembroke Port Gate 4 - Carr Jetty
 - Carr Jetty 120 m length 8.3 metre depth
 - Available laydown area (in 10 plots) 2.6 Ha
- Total available 5.0 Hectares





What we need

•Biomass Power Generation – <ul style="list-style-type: none">• Imported wood chip• UK sourced biomass	5-12	Hectares
• Bio-oil Power Generation – <ul style="list-style-type: none">•Jatropha oil – palm oil	4-5	Hectares
•Offshore Wind Farm		
Construction and Support – <ul style="list-style-type: none">•In discussion with RWE npower•Others•Cruise support•General Cargoes	20-25	Hectares
	2-3	Hectares
•Total required	31-45	Hectares
•Total available	5	Hectares
•Shortfall	26-40	Hectares

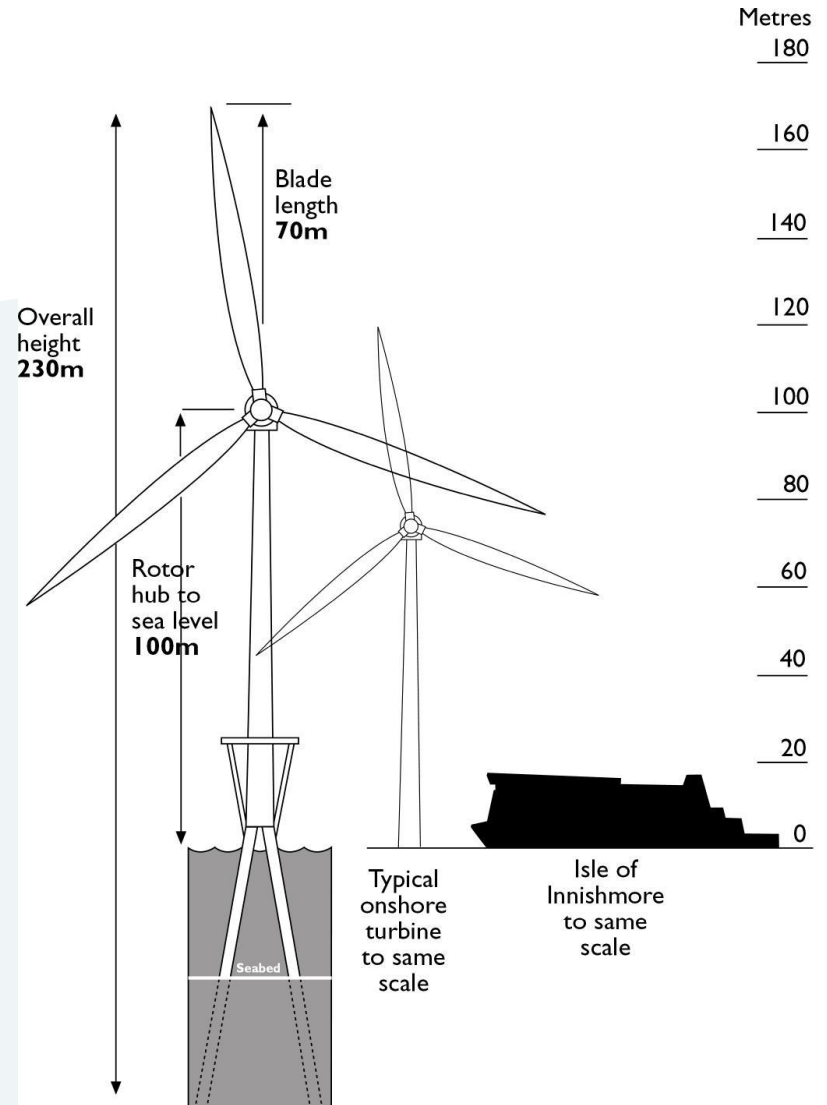


Areas required

Estimated Requirements

Zone 8 Bristol Channel

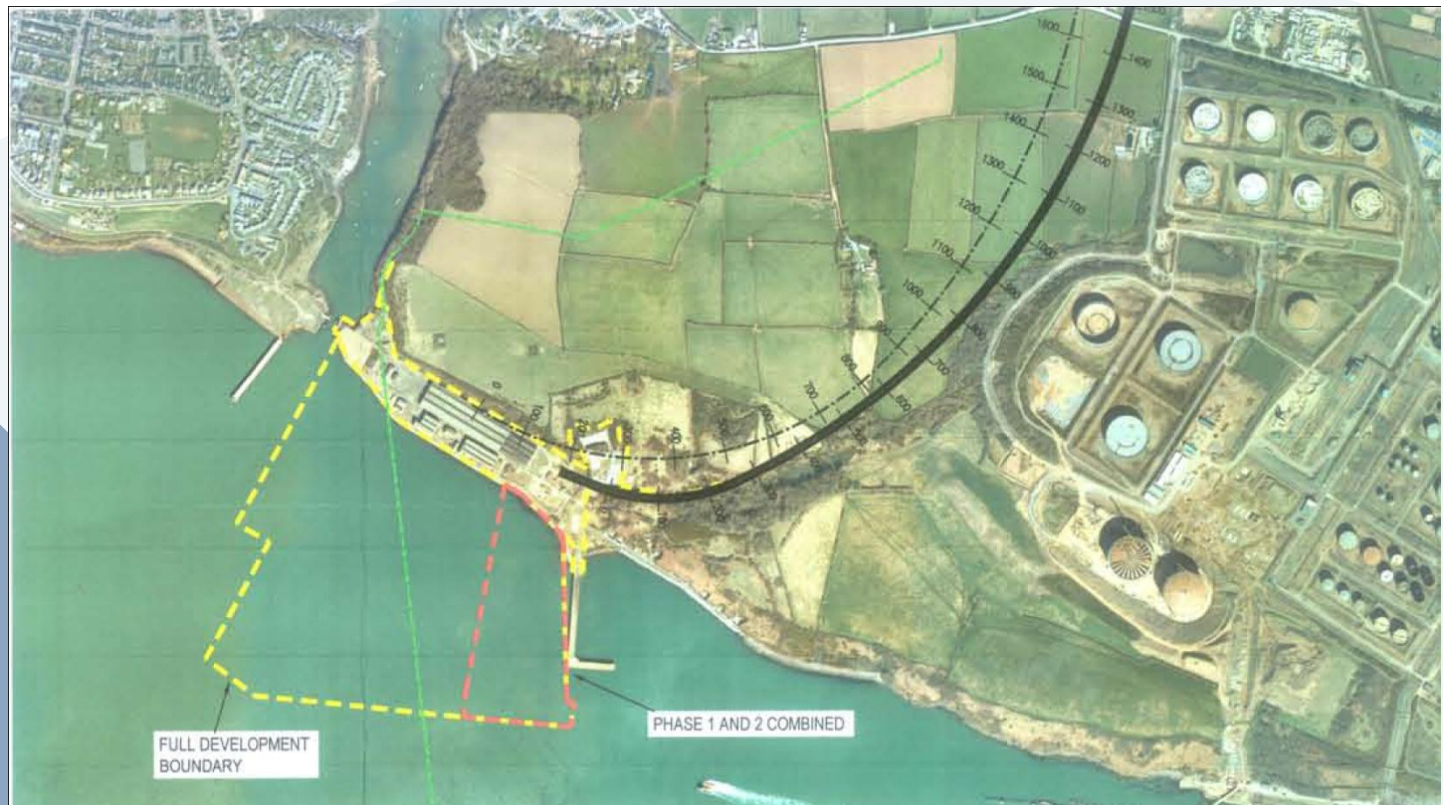
- 492 sq Km
- 1,500 Megawatt planned for this zone
- Around 250+ turbines required
- Deployment rate up to 100 p.a
- *1 single turbine assembled at Pembroke Port would take up all available quayside space*





The Blackbridge site

- How to fulfil the need





The Challenges and Conclusions

•Consents Required

- Coastal Protection Act 1949
- Food and Environment Protection Act 1985 Part II (FEPA)
- Planning Consent (under TCP Acts) Intertidal Area
- Marine Works (Environment Impact Assessment) regs 2007
- Environmental Protection Act 1990/Waste Management Licensing Regs 1994
- Drainage or Drainage Consents – Water Resources Act 1981/Land Drainage Act 1991
- Wildlife and Countryside Act 1981 / Schedule 9 Countryside and Rights of Way Act 2000, Section 28 Consent
- MHPA; Marine Works Licence
- MHPA: Marine Works Dredging Licence



The delivery of Blackbridge is the key to the future!

