

OWEC Jacket Quattropod - a new foundation and tower concept for offshore wind turbines

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OWEC Tower AS

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- **25 years offshore oil/gas experience**
 - **steel structures, fabrication, logistics and installation**
- **Dedicated to offshore wind farms since 2001 - OWEC Jacket Quattropod**
- **DOWNVIInD 2006**
- **Together with dedicated fabrication yards industrialised production from 2008**



OWEC Jacket Quattropod

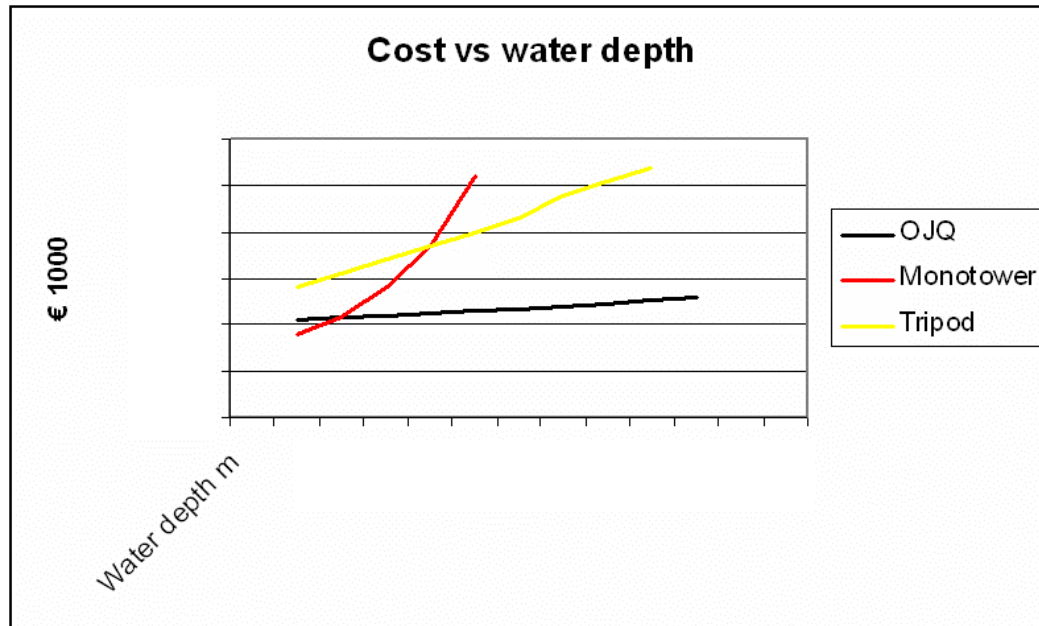
UNIQUE Features

- 40-50% weight saving compared to e.g. monopiles/tripods
- Considerable cost reduction anticipated

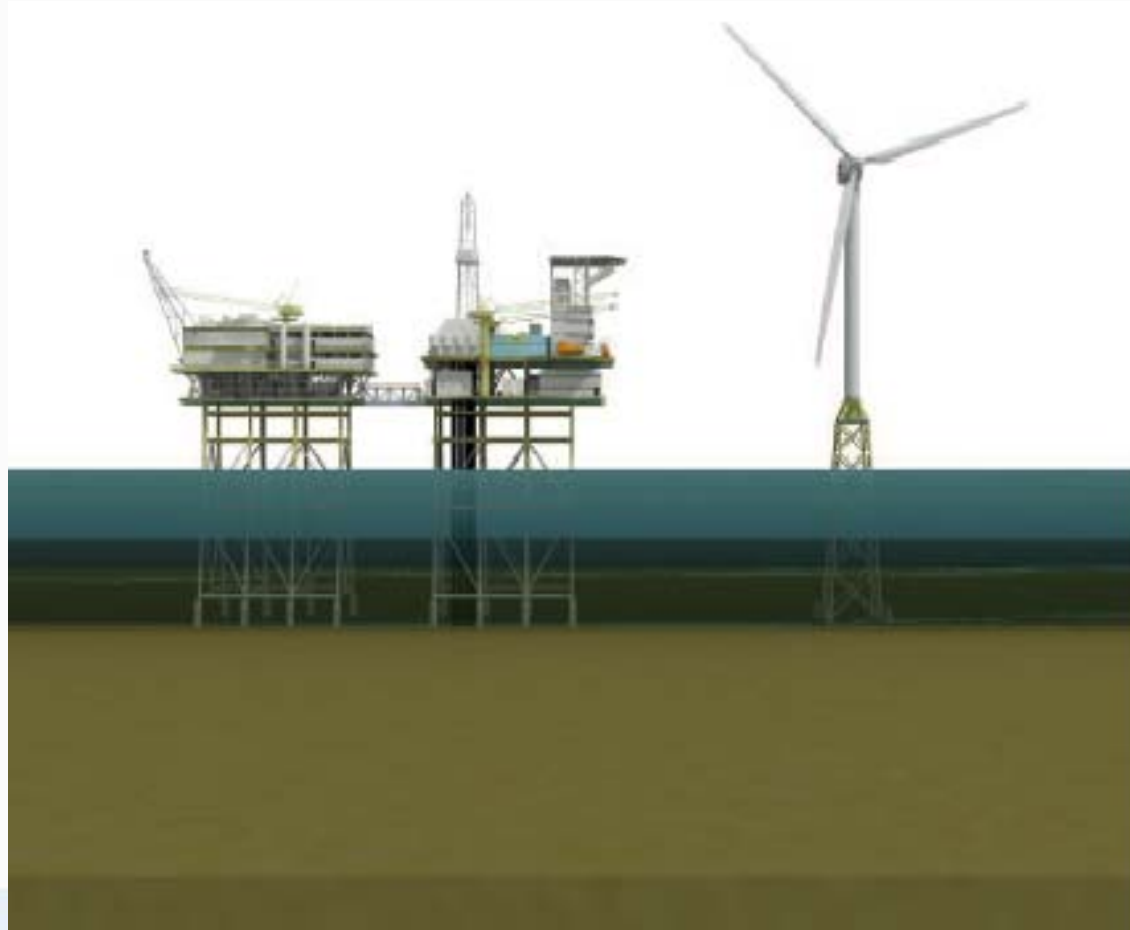


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Typical Weight versus Water Depth



DOWNVIInD (Beatrice) demonstrator



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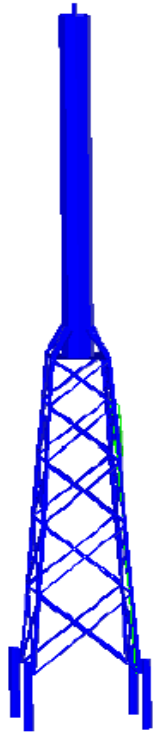
Selection of foundation/tower for the **DOWNVIInD (Beatrice) project** Summing up

- Studies over two years by major British engineering companies; two tripod concepts proposed in 2004
- OWEC Jacket Quattropod went through a comparison with preferred concepts - and was finally chosen (2005)

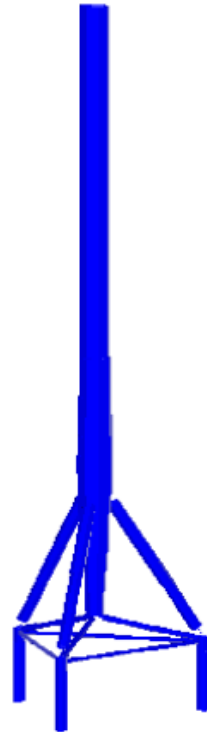


Structures compared

(DOWNVIInD)



**OWEC Jacket Quattropod
(OJQ)**



**Centre Column Tripod
(CCT)**



**Flat Face Tripod
(FFT)**



Fabrication of Middle Section at BiFab



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Fabrication of Jacket at BiFab



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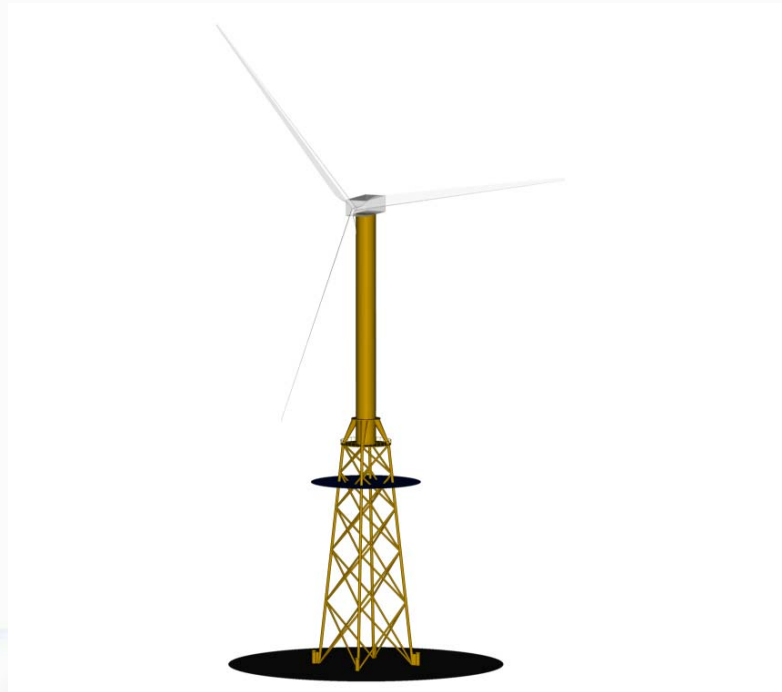
August 2006?



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OWEC Tower AS- What can we offer

- Feasibility studies
- With leading fabrication yards offer a tower/foundation structure
- With leading contactors offer complete installation



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OWEC Jacket Quattropod

- a new way to simplify offshore wind farm development and save cost !



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