

Enterprise Ireland

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Global Opportunity

- **Worldwide** - offshore wind to grow p.a. by 92% to 79GW by 2015
- **Europe** - Potential to supply all of Europe's Electricity needs 7 times over & Offshore to grow to 19GW by 2015
- **US** – Potential 1,000GW off Atlantic coast (Cape Wind farm approved- 420MW)
- **Asia** – offshore wind to grow from 100MW to 10GW by 2015

The immediate opportunity.....

- **UK** – offshore plans for Rounds 1,2& 3 is 47 GW, £96bn investment (Arklow Bank @ 25MW = 1,900 Arklow Bank Wind Farms)

...Ireland – we have the best wind resource in Europe...

Irish Opportunity

- **Harnessing Natural Resource**
 - Potential for 20GW from mapped sites – one of Europe's richest resources
 - Opportunity for 60,000 jobs
 - Leases in place for 2.1GW
- **Building on Existing Capability**
 - Software, Electronics, Construction, Services & Engineering
- **Developing New Capabilities**
 - O&M services
 - R&D products – Control systems, Composite Materials, Electrical/Electronic, Software.....



Offshore Wind - Typical Contract....



- **Site Selection** - Permitting/Consenting Services, EIA's, Bankable Wind Assessment, Site Surveys etc



- **Design** – Engineering, Materials, Integration, Electrical.....



- **Construction/Installation** – PM, Marine Support, Infrastructure



- **Commissioning** – Electrical/Grid, Safety....



- **O & M** – Remote Monitoring, Maintenance....

It is more than just turbines.....

Table 8. Investment costs by component

	Onshore (%)	Large offshore (%)
Foundations	5.5	16
Turbines	71	51
Internal electrical grid	6.5	5
Electrical system	0	2
Grid connection	7.5	18
O&M facilities	0	2
Engineering and administration	2.5	4
Miscellaneous	7	2
Total	100	100

Source – DEA/CADDET
www.offshorewindenergy.org



O R I E L
W I N D F A R M



Transforming Irish Industry 2008-2010

www.enterprise-ireland.com

Enterprise Ireland Support

- **Growing Companies**
 - Direct Financial & Investor Support
 - Internationalisation
 - Management/Skills Development
 - R&D / Technology Development

- **Partnering/Collaborating – technology / business development**
 - Example – Mainport / Lotus / Jennings / O'Brien
 - Trade Missions / Study Visits

- **Start-up Activity**

Funding Offer 2010

Exploring Opportunity	Start-Ups	Innovation / Competitiveness	Expansion
Going Global	HPSU/Equity	R&D Fund	Expansion
E-Business	HPSU Feasibility	Key Manager Grant	Enterprise Stabilisation Fund
Mentors online	CORD	Lean Initiative (new)	Market Research Programme (new)
Consultancy online	Business Accelerator	Greentech	Job Expansion Fund (new)
Feasibility online	Mentors		Graduate Market Placement (new)
FP7	Trade Fair		
Trade Fair online	Consultancy		
Business Accelerator online			

Enterprise Ireland Vision

“For Ireland to be a leading developer and supplier of services and technologies to the Offshore Wind Industry”

- **Supplier of Exporter of Services and Technologies**
 - Germany 38k jobs in Wind
 - Denmark 23.5k jobs in Wind
 - Vestas added 5k new jobs in one year
 - Finland €1bn of exports in Wind Components....

- **Strong Partnerships/ Collaboration**
 - National/ International

- **Exporter of Green Energy**

Export Led Job Growth

Here to help.....

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