

The Irish government
is committed to
developing the
potential of the Ocean
Energy industry for
Ireland



Investor Support

Government support

The Irish government has recognised the potential of this sector and has put in place an ambitious programme for the development of Ocean Energy in Ireland. The programme is funded by the Irish Government and consists of the following elements:

- Establishment of a unique state of the art wave test facility in Mayo, Ireland
- Support grants for the Ocean energy industry
- Power purchase scheme for ocean energy, including wave, tidal and offshore wind.
- Development of a substantial marine energy research cluster (MERC), including high quality wave test tank facilities and research capabilities



IDA Ireland
Ireland's inward investment promotion agency, IDA Ireland, assists overseas investors establish various elements of their European business from a sustainable, successful and profitable base in Ireland.

www.idaireland.com



Sustainable Energy Authority of Ireland

The Ocean energy development unit of the Sustainable Energy Authority of Ireland (SEAI) aims to develop the ocean energy sector in Ireland. It currently is funding Industry-led projects to develop and test wave and tidal energy capture devices and systems.

www.seai.ie



Shannon Development

Shannon Development is a government owned regional development company dedicated to promoting and developing the Shannon Region of Ireland.

www.shannon-dev.ie

Prepared with the assistance of
Arup Consulting Engineers
www.arup.ie



The Shannon Estuary Advantage



- Ideally located on the west coast of Ireland
- Access to the largest wave energy resource in Europe
- One of Europe's best wind regimes on its doorstep
- Deep water port for large vessels
- Close proximity to Shannon International Airport
- Regional gateway city with advanced third level education institutions
- Access to electricity grid and gas supplies
- Designated industrial sites
- Supports and incentives for new enterprise

www.sfpc.ie



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**SHANNON FOYNES
PORT COMPANY**



Europe's Ocean Energy Hub

Mean Annual
Theoretical Wave
Energy Resource

**SHANNON FOYNES
PORT COMPANY**



Onshore wind turbines in Ireland operate at 50% above the European capacity average.

The west coast of Ireland is Europe's closest point to some of the world's best wind, wave and tidal resources. As global attention focuses on harnessing these natural forces to provide sustainable and clean energy for future generations, having a base to access and service the generating platforms is a key consideration for the industry. The Shannon Estuary on Ireland's west coast is ideally placed to cater for all the needs of this vital sector. Proximity to the optimal sites in Western Europe is a key consideration, but combined with the renowned business environment and supportive policy framework, Ireland's Shannon Estuary is the location of choice from which to develop ocean energy initiatives.

The Shannon Estuary

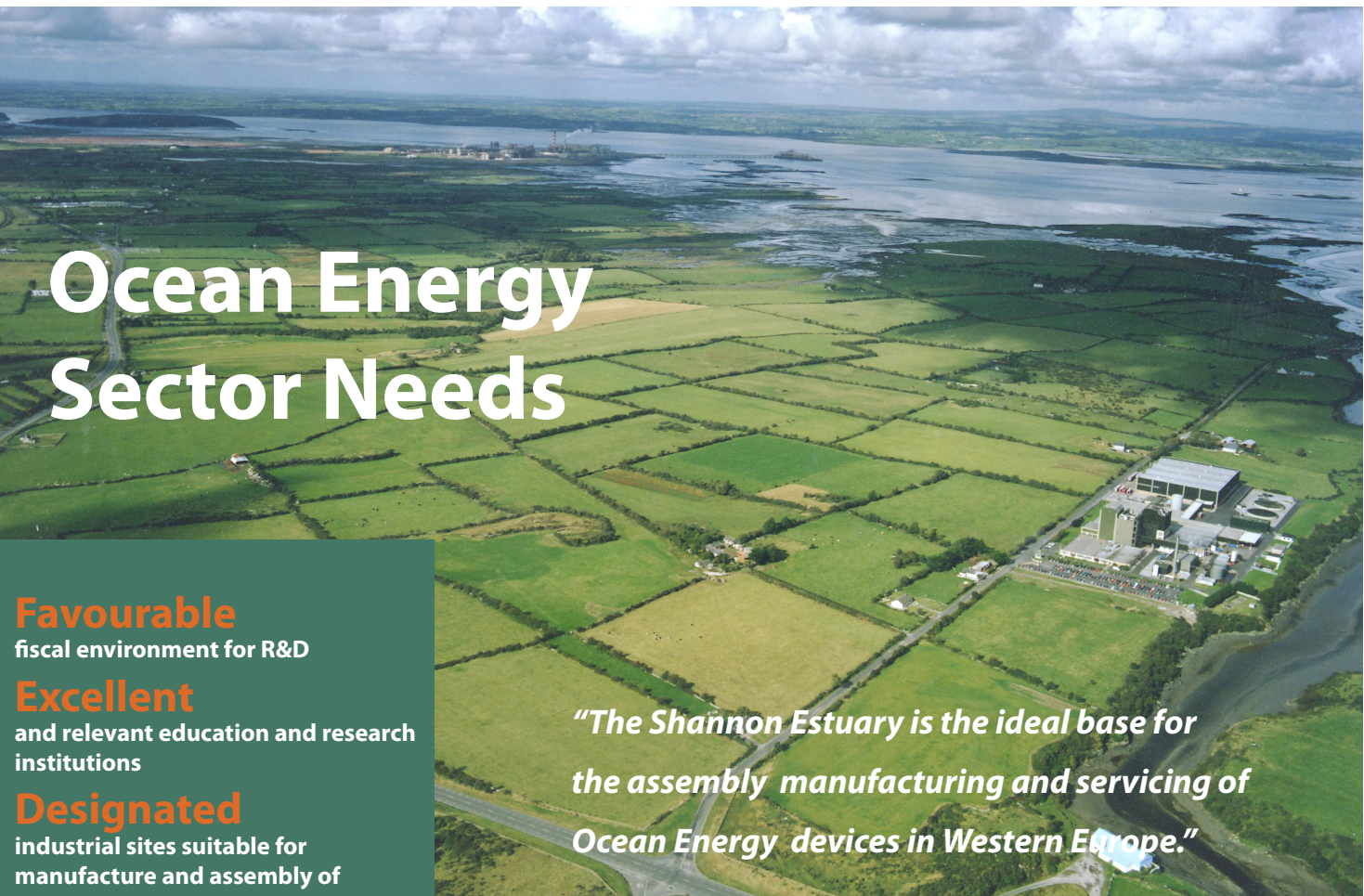
Located on the west coast of Ireland, the Shannon estuary is the ideal location for manufacturing , assembly and servicing of ocean energy generators.

Shannon Foynes Port Company (SFPC) is the statutory body with responsibility for all navigation and marine commercial activities in the Shannon Estuary. SFPC is a commercial semi-state company, owned by the Irish government but with a fully independent commercial mandate.

SFPC has a number of terminals on the Estuary, with its deepwater facility at Foynes ideally suited for locating manufacturing, assembly or servicing of ocean energy devices.



Since 2005 SFPC has handled a majority of wind turbine import projects in Ireland; it has also played a leading role in servicing the off-shore exploration business. SFPC therefore has the experience and understands the needs of this industry. SFPC is determined to fully support and encourage the development of this sector, through its own resources and in conjunction with other agencies and stakeholders as appropriate.



- Favourable** fiscal environment for R&D
- Excellent** and relevant education and research institutions
- Designated** industrial sites suitable for manufacture and assembly of generating units
- Deep-water** relatively uncongested, port facilities to assist deployment
- Proximity** to all key sites in North-West Europe, allowing for easy access from a dedicated service base

Ireland, and the Estuary's resources in particular, are ideally placed to meet the requirements of this sector.

SFPC has a team dedicated to management of marine operations in the Shannon Estuary, and has a vast reservoir of technical knowledge and experience about the environment and conditions in the North-West Atlantic



Foynes
The major general purpose port on the Shannon Estuary handles over 1.5m tonnes of cargo per annum. Located in a sheltered harbour, it has extensive facilities to cater for a variety of vessels of up to 40,000 dwt.

Askeaton
This large industrial site is located approximately 10km from the port of Foynes and comprises almost 100 hectares. The site enjoys topography and subsoil conditions suitable for the siting of heavy industrial facilities. Askeaton is a very accessible site, located within 20 minutes of Limerick city. It is a proven location for industrial investment, with a number of other industrial operations already located in the Askeaton area.

Kerry Deep Water Zone
This large state-owned land-bank in County Kerry currently has spare capacity consisting of some 90 hectares of land zoned industrial, with access to deep water.

Other Locations
SFPC has identified various other locations on the Estuary which are suitable for large-scale projects requiring access to deep-water. SFPC has an excellent partnership with the relevant local planning authorities in terms of providing for future consents.

