Scotland’s offshore potential:
Seizing the economic and employment opportunities from innovation in our offshore wind industry

There is more than 4GW of offshore wind energy consented for development around Scotland’s coastline, enough to power 3 million homes.

Scotland is a world-leader in offshore wind demonstration projects, such as the Beatrice Demonstrator, the European Offshore Wind Demonstration Centre and the Hywind, Dounreay Tri and Kincardine floating wind projects.

Scotland’s economy must capitalise on the substantial opportunity for its innovative businesses to share in the supply chain opportunities presented by these developments, and deliver further growth from the cross-sector transfer of technologies and experience.

We work with Innovate UK
CS Wind UK
The only turbine tower factory of its kind in Britain, CS Wind UK’s Argyll plant employs around 100 people and has agreements with Siemens, EDF Energy Renewables, and Vattenfall.

Burntisland Fabrications
BiFab operates facilities in Stornoway and Fife, and has a contract to supply 28 enormous steel jacket foundations for the Beatrice Offshore Wind Farm.

Global Energy Group
The Nigg Energy Park has undergone a £45 million redevelopment since being acquired by Global Energy Group in 2011, and is an important assembly base for Siemens, MeyGen and Hexicon.

Ecosse Subsea Systems
Manufacturers of the world’s largest boulder-clearing tool, Ecosse Subsea Systems is expecting to double its revenue in 2016-17 to around £25 million after transitioning from oil and gas to renewables.

Wood Group's clean energy business has worked on 560GW of projects across six continents, including the first consented offshore wind farm in the USA and China’s first western-designed wind farm.

Limpet Technology Ltd
With revenues approaching seven figures and a worldwide distributor network, family-owned Limpet Technology manufacture height safety systems that help offshore technicians transfer and climb with ease.

Wideblue Ltd
Glasgow-based Wideblue’s world-first system of lasers and sensors detects structural deformation from the inside – it will undergo tests on the Catapult’s research blade, before real-world trials on the Levenmouth turbine.

ACT Blade
With testing and validation help from the Catapult, Edinburgh’s ACT Blade are at the forefront of blade technology: developing the world’s first textile blade.

Supply chain successes...

CS Wind UK
Wood Group
Limpet Technology Ltd
Wideblue Ltd
ACT Blade

Consented projects...

Beatrice Offshore Wind Farm
Developers: Joint venture between SSE (40%), Copenhagen Infrastructure Partners (35%) and Red Rock Power Limited (25%) Size: 861MW scheme

European Offshore Wind Deployment Centre
Scotland’s largest offshore wind test and demonstration facility Developers: Vattenfall-owned Aberdeen Offshore Wind Farm Limited Size: 92.4MW scheme

Moray Offshore Wind Farm (East) I
Developers: EDPR Phase 1: 502MW Phase 2: 410MW

Hywind
World’s first floating windfarm Developers: Statoll Size: 50MW

Dounreay Tri
World’s first floating wind project Developers: Hycor and Atkins Size: 10MW

Kincardine Offshore Windfarm Project
Floating wind demonstration site Developers: Kincardine Offshore Wind Ltd (KOWL) - Pilot Offshore Renewables Ltd and Atkins Ltd Size: 49.0MW

Levenmouth
World’s largest open access offshore wind turbine dedicated to research Operators: Offshore Renewable Energy Catapult Size: 7MW

ForthWind Offshore Wind Demonstration project
Developers: 2-B Energy Size: 18MW

Seagreen Alpha and Bravo
Developers: SSE Renewables and Fluor Size: Alpha: 525MW Bravo: 525MW

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GLASGOW
ABERDEEN
INVERNESS
EDINBURGH
Glasgow

SCOTLAND'S OFFSHORE WIND INDUSTRY

With more than 4GW of offshore wind energy consented around Scotland’s coast line, there is huge potential for Scotland’s small and medium sized companies to capitalise on the opportunities presented by development on this scale. The map below details the consented projects, and some of Scotland’s supply chain success stories.