

# Offshore Services

In-depth offshore expertise

Wind Prospect has been involved in offshore and onshore wind projects around the world for almost two decades. Our experience within the global wind industry began with the UK's second commercial wind farm in 1992. We have since undertaken projects in the most demanding of oceanic and land based conditions.

Wind Prospect provides an extensive range of services to aid you in the successful completion of your offshore development.

**Our offshore services include:**

- Overall co-ordination of all aspects of offshore development
- Pre-feasibility and feasibility studies
- Site identification and selection
- Scoping reports
- Environmental impact assessments
- Consenting
- Meteorological mast specification, instrumentation and data management
- Wind analysis and energy yield studies
- Conceptual site design and costing models
- Turbine selection and turbine supply agreements
- Grid connection
- Installation vessel and manpower requirements
- Capital & operating cost models
- Project critical-path schedule preparation
- Client engineer and on-site representation
- Operations and maintenance services
- Decommissioning plans

### Recruiting the best

Our experts' careers have spanned many major international offshore projects.

**Example biographies:**

**Alex Tancock** – *development & due diligence*



Alex has led the development of our 200MW Hong Kong offshore wind farm, expected to be one of the first offshore wind farms in Asia. He is currently advising the Taiwanese government on offshore development guidelines.

Elsewhere in China, he has conducted a number of due diligence projects for financial and utility clients.

**Barthelemy Rouer** – *engineering*



Barthelemy is a Mechanical Engineer with offshore experience around Europe having worked on projects for Shell WindEnergy for 4 years. Barthelemy was involved in the London Array and Cirrus Array offshore wind farms as a navigation, radar and aviation development manager;

Dunkirk as project manager for a Total and Shell Joint-Venture, and Libron for Compagnie du Vent (now GDF-Suez) and Shell.

## United Kingdom

Wind Prospect developed the Burbo offshore wind farm, from site identification through to the consenting stage. Consent was granted in July 2003 for twenty five 3.6MW wind turbines, located 4.4 miles (7km) off the English coast. Wind Prospect continued to support the owners through construction and the project was successfully commissioned in 2007. Further details can be found at [dongenergy.com/burbo](http://dongenergy.com/burbo)

During 2007 and 2008 Wind Prospect carried out technical due diligence and provided consultancy services on three UK offshore wind farm projects, totaling 1060MW. Wind Prospect advised on a number of aspects of each project including: turbine selection, grid connection and electrical infrastructure, procurement and construction plans and capital and operating costs.

## Hong Kong

Wind Prospect is currently working with CLP, the largest and most diversified renewable energy company in the Asia-Pacific region, to develop the Hong Kong offshore wind farm at a location of 5.6 miles (9km) off the Chinese coast. The project is expected to feature 67 turbines with a total capacity of approximately 200MW.

Wind Prospect is also supporting CLP with work relating to the installation of the meteorological mast. This site is particularly challenging as it is in the exposed China Sea with water depths reaching 30m. The foundations are a novel design of suction caisson based tripods.

## USA

Wind Prospect acted as technical and commercial advisors in respect of the acquisition of Bluewater Wind LLC, the developer of the proposed Delaware 600MW offshore wind farm.

## South America

Wind Prospect has recently concluded a pre-feasibility advisory study for a 200MW offshore proposal in South America.

## France

In 2008 we advised on projects comprising 40 turbines (120MW) off the French North Sea coast.

Our experienced French team provide both advisory and development services to support your offshore projects including those off Atlantic and Mediterranean shores.



## Marine

Ocean Prospect is the marine energy vehicle of the Wind Prospect group. The company's first project, WestWave is a proposed wave farm ten nautical miles off the Southwest coast of England. The project is being developed in partnership with E.ON UK and will consist of up to 5MW of Pelamis wave energy converters. WestWave will be one of four projects to connect to Wave Hub, which was consented by the UK Government in September 2007.

We are in negotiations to develop wave and tidal projects and partnerships in a number of locations across the world.

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