synergie projects built environment

Infrastructure Support Services to Marine Renewable Energy Companies

Synergie Scotland has provided infrastructure support services to the Marine Renewables sector since 2003. We offer a range of design and management services to developers, investors and public agencies to support wave, tidal and offshore wind projects comprising:

- Sub-sea Infrastructure (cables, moorings & anchors, connectors)
- Onshore Infrastructure (cables, HV Systems, Grid Connections, buildings)
- Wave Energy Infrastructure and Tidal Energy Infrastructure
- Programme and Cost Planning
- Consents (Onshore & Offshore)
- Environmental Impact Assessment
- SCADA Systems
- Contract Management
- Health and Safety
- Due Diligence

Synergie has been actively involved with the European Marine Energy Centre EMEC since 2003. During the establishment of EMEC and the construction of the wave test site at Billia Croo, Ian MacGillivray of Synergie Scotland Ltd was appointed by Highlands & Islands Enterprise (HIE) to act as EMEC's interim project director until the appointment of the first full-time director in October 2003. As well as overseeing the construction work and the fit-out of the Stromness facility for HIE, Ian was responsible for liaising with funders and the establishment of EMEC operating procedures.

In 2005 Synergie was appointed by HIE as the project and cost manager for the tidal test facility in the Falls of Warness – establishing and managing the design and build contracts for marine and onshore infrastructure.

Through 2008/2009 Synergie staff have continued to work on the final stages of the tidal project and the new wave site infrastructure. Synergie has also worked with a number of developers assisting with the development of their site infrastructure.

We have unique experience of the construction phase of wave and tidal infrastructure projects – everything from grid connection to the sub sea cable end. That experience extends from feasibility stage, through design and construction and commissioning. Our energy projects team can offer developers, investors and public agencies a "one stop shop" for wave and tidal project infrastructure based on a track record of delivered projects in Scotland.

Synergie also works closely with Dr Alan Owen and the Robert Gordon University in Aberdeen to add a tidal and wave resource assessment capability. Resource assessment analyses are performed using a variety of methods from survey prescription, tidal current survey operations, data analysis, hydrodynamic modelling and device specific resource potential.

Web site: http://www.synergiescotland.co.uk