

## Islay Energy Strategy - RESPIRE

**client:** Islay Development Company. European Commission.

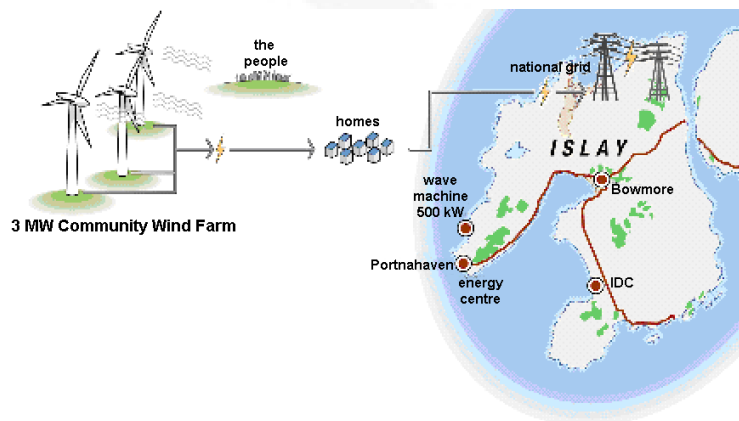
**client brief:** Outline the renewable energy requirements, propose possible technological solutions, and suggest a strategy for implementation.

**our solution:** Scheme techno-economic design of wind farm including business planning for a community energy scheme. Co-ordination of project.

**description:** The RESPIRE project (Renewable Energy Sources, Promotion and Integration for the sustainable development of insular Regions of Europe) aims to demonstrate how five islands across Europe can be self-sufficient in Energy. The Isle of Islay in Scotland is also the site of the first commercially operational wave-power generator.

The Islay Development Company is very proactive in the development of novel, sustainable energy sources, as well as tackling the problems associated with this, such as intermittency, security of supply, energy storage, transport requirements etc. WBP have been assisting the Islay Energy Company in seeking out solutions to the problems of intermittency, alternatives to distribution grid strengthening, integrating transport energy needs into the islands energy infrastructure. We have completed an in-depth planning study for a new wind farm as part of the European Respire project.

This project was carried out in partnership with Whitbybird Ltd.



*Schematic of community-run 3 MW wind farm.*