



**Country**  
France

**Client**  
Agence de l'Environnement  
et de la Maitrise de l'Energie  
(ADEME)

**Date**  
2008-2009

### Sogreah services

- ▶ Energy study
- ▶ Definition of the needs
- ▶ Action plans (DSM and renewable energies)

### Background

Molène and Ouessant Islands are not connected to the continental grid. The electricity production is thus local, using generators. This technology allows a sustainable but few efficient production of electricity.

Furthermore, the operation costs are quite high and depend on an unsustainable resource which prices are subjected to constant variations.

The ADEME, the Regional semi-autonomous authority, EDF (french electricity utility) and the regional partners (state-owned utilities, local authorities, the Coastline Protection Association, the Association of the Ponant Islands) all carried out many

operations intending either to implement autonomous systems for the production of electricity, or to launch campaigns promoting the energy savings and control the energy consumption.

The purpose of the study entrusted to Sogreah SERT, and sponsored by the ADEME, the Finistère regional and local authorities and EDF, was to know the energy context of both islands (supply, production and consumption), in order to propose DSM actions and develop the use of renewable energies.

### Sogreah-SERT's mission

#### Stage 1 : Energy study

- Send questionnaires to the inhabitants.

- Analyse the answers.
- Analyse the supply and demand for electricity, and the possible evolutions.

#### Stage 2 : Definition of the needs

- Field survey (among a sample of EDF private and public clients) to define the needs for efficient equipments, in order to prepare the action plans.

#### Stage 3 : Action plans (DSM and renewable energies)

- Ranking of the DSM and renewable energies actions, in collaboration with all the partners, in order to shape a real action plan.