



Country

France

Client

Private wind energy leader

Date

2007-2009

Sogreah services

- ▶ Feasibility studies
- ▶ Project Development
- ▶ Assessment of Environmental Effects
- ▶ Application for building permit

Background

With a view to honouring its commitments with regard to the European Directive and Kyoto Protocol on the reduction of greenhouse gas emissions, 21 % of France electricity production should come from renewable sources. The French Government has implemented feed-in tariffs in order to reach a target of at least 10,000 MW of electricity produced by wind power by the year 2010.

This context has led to the appearance of new energy producers, especially in windy regions.

Sogreah was contacted by a worldwide wind energy leader with over 8,000 MW of installed power at the end of the third quarter 2008.

Sogreah was selected to ensure the quality of the development of one of its projects in the Champagne-Ardennes region (North-East of France).

It is located on a vast agricultural plateau lined with the motorway A5 (South West) and the valley of the river Suize (East). This site is particularly suited for the development of wind farms and locals approve of it.

It could consist of up to fifteen 2 MW wind turbines.

Sogreah's role

- Feasibility study.
- Production of the "Zone of wind energy development" application.
- Identification of environmental and technical constraints.
- Layout design.
- Assessment of Environmental Effects.
- Land agreements achievement.
- Probabilistic studies of blade and turbine failure.