Energy

**Important Notice:** This Case Study refers to a proposal submitted to the ACP-EU Energy Facility in 2007. It is for illustrative purposes only.

### Renewable Energy in Cape Verde

**Access to Energy for Rural Fishermen Communities**

*The cost of imported fuel is very high because it has to be shipped to the islands. By providing renewable energy, the dependency on imported fuel will reduce significantly.*

#### Context

**Energy supply in remote areas**

Cape Verde is an archipelago of 10 islands in the Atlantic Ocean. Because of the geographical location and the high rural population density it is very difficult to provide universal energy access. The majority of the inhabitants of the island of Santa Antao are fishermen and the economical development of this island is strongly linked to fishing. Availability of constant energy is important for freezers, producing ice for the conservation of the catch and at the same time for lighting and communication.

#### Objective

**Reducing dependency on imported fuel**

The project aims at reducing the dependency on fuel in 2 districts of the island Santa Antao, Tarrafal (pop.: 1.000) and Monte Trigo (pop.: 600). The latter is without road connection to the rest of the villages on the island. The objectives of the project are to:

- Improve access to energy for poor rural fishermen on Santa Antao island while ensuring environmental sustainability by reducing the supply of imported fuel for the existing power generators.
- Improve the social and economic development of the target groups by providing affordable energy services for the conservation of fish and for lighting.

#### Impact

**What are the main activities?**

- **Solar micro network for Monte Trigo community:**
  25 kWp
- **Hydopower plant in Tarrafal:**
  2 turbines of 30 kW each
- **Workshops for maintenance of power units**

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**Facts and Figures**

- €1.1 (75% of total) granted in **2008-2010**
- Economic benefits from import substitutions

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