

Project Summary

Projekt Background

The project is part of the GTZ Energy Program supporting the Brazilian energy sector with the target to strengthen the role of renewable energies and energy efficiency in the Brazilian energy sector. Since 2005 the program component rural electrification has supported the public power utility 'Eletrobrás' in the implementation of the program 'Luz para Todos' which targets the electrification of all households in Brazil until end of 2010. During the first project phase (2005-2008) concepts for the electrification, business models based on decentral renewable energy production have been developed and two pilot projects have been started to prove the feasibility of the concepts. One pilot project with the application of 103 solar home systems was successful completed. The second on isolated mini hybrid networks is still under way.

Project Objectives

The current project has the goal to support Eletrobrás and other actors of the "Luz para Todos" in a way that a minimum of 10.000 household are annually electrified with renewable energies. The project is thereby to prove strengthen the role of renewable energies and to prove that the use of renewable energies for rural energy supply is technically and economically beneficial.

Project Activities

The activities include

- Technical and organisational support in the electrification of 10.000 household annually with renewable energies in isolated areas of northern Brazil (tendering, monitoring, and technical aspects);
- Development and application of management models for the operation and maintenance of energy productions & supply systems with renewable energies;
- Training of staff in Eletrobrás, Concessionaires, national energy regulator, the Ministry for Mining & Energy and development of guidelines and manuals for planning, procurement, installation, operation and maintenance of energy production & supply systems with renewable energies;
- Organisational development of partner institutions;
- Support of the national energy regulator in the development of regulations for the use of renewable energies for rural electrification;
- Organisation and participation in workshops and conferences to present the results of the electrification projects with renewable energies.

Services Provided

- Project Management and Monitoring
- Advisory services for the development of the legal framework for the use of renewable energies for rural electrification
- Training of personnel and development of guidelines and manuals (planning, procurement, installation, operation/maintenance)
- Development and application of management models
- Organisational development
- Support the implementation of pilot project

Brazil

Energy Program Brazil, Component 'Rural Electrification'

Client

German Agency for Technical Cooperation (GTZ)

Duration

03/2009 - 02/2012

Personnel

- 1 internat. LTE (Team Leader 36 PM)
- 9 PM pool of national STE Senior
- 13 PM pool of national STE Junior

