



Rural electrification project powered by 100% renewable energy from hybrid sources



## ERHYGE Project - MADAGASCAR

Winner of the call for project, « Innovative solutions for access to off-grid energy » Guinard Energies and its partners Gret (operational implementation) and SM3E (local grid operator) teamed up to put together a project in 2 phases

### Phase A : A demo in Ambatolaona

A live demo of a hybrid production system including a P66 hydrokinetic turbine system and a **3.5-kWp photovoltaic set**, the project Rural Electrification by **HY**drokinetic turbine Guinard Energies (**ERHYGE**) benefited directly to 50 households, 5 companies and all of the local public services, including the communal school of Amboarakely.

In a logic of local consultation and community-involvement, the inhabitants have taken the project as their own, building the shelter for the electrical equipment. The students of the master's degree in renewable energies of Ankatso University (Antananarivo) have been put to contribution as well, they helped a great deal during the installation of the distribution grid.

### Phase B : Study on the hydrokinetic potential of the Island

Further studies have been conducted to evaluate the electrical potential and the socioeconomical conditions of more than 80 villages from the far east coast to the great South. Guinard energies and Gret have then established a first cartography of potential hydroelectrical sites ..

... waiting for this new power source to be installed.



CO-FINANCED PROJECT BY:

PARTNERS:



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