Angovo
green energy mini-grid infrastructure project portfolio

Location:
Madagascar,
Atsimo-Andrefana Region

Budget, incl. grant:
EUR 21,964,000

Private financing:
Canopy, atmosfair, Realize Impact, and Ground Squirrel Ventures

Team Europe financing:
AFD, EU and technical support from GIZ

Team Europe Family

The **Angovo project** in Atsimo-Andrefana Region, Madagascar, is a Team Europe green energy infrastructure developed and implemented by ANKA Madagascar, the first operator deploying the initiative in Madagascar's Greater South.

Currently, existing mini-grids serve around 7,600 clients, mitigating 2,300 tonnes of CO_2. With planned expansions, the portfolio targets a total of 15,600 clients, reaching around 70,000 beneficiaries and mitigating 5,000 tonnes of CO_2. ANKA is concurrently developing e-education, e-health, and Agrigrid© programmes across targeted sites.

ANKA utilizes a blended finance model combining public funding with private investments. The project is co-financed by the French Development Agency (AFD) and the European Union (EU), receiving technical assistance from GIZ, alongside private investments from ANKA's technical and financial partners: Canopy, atmosfair, Realize Impact, and Ground Squirrel Ventures. The total budget is EUR 21,964,000, including a EUR 7,420,000 grant.

Angovo aims to enhance sustainable energy access in rural Madagascar, stimulating local economic development. It focuses on deploying solar energy infrastructure across five regions in southern Madagascar, including Atsimo-Andrefana, supplying electricity to households, enterprises, and public facilities. The initiative fosters entrepreneurship, enhances security, and facilitates advanced agricultural processing.

Having already constructed four mini-grids, including Madagascar's three largest, ANKA is now set to implement a dozen additional sites, electrifying 37 new villages. This will bring reliable clean energy to a total of 51 villages, further strengthening ANKA's leading position in sustainable rural electrification.

Green energy infrastructure:
The project aims to install more than 3.5 MWp with an average per site of 170 kWp. Currently, 1,656 kWp have been installed.

Electricity connections:
The project aims to reach
~70,000 people.

The project aims to electrify
15,600 direct end-users

Among the
connections created,
80% are households,
18% are productive users (incl. hospitality, refrigeration, multi-services, metal works, and so on),
2% are public and social institutions (incl. public health centres and private clinic, public schools and public lighting on the villages main road and marketplace).

Climate impact:
The project aims to mitigate approximately

5,000 tonnes of CO_2 emissions per year.

Currently, the equivalent of 2,300 tonnes of CO_2 are avoided

Social impact:
ANKA believes mini-grids foster resilient socio-economic areas, creating local value, rural wealth, and direct or indirect jobs, while supporting beneficiaries through initiatives like e-cooking, e-health, e-education, and Agrigrid©, empowering women and youth, stimulating entrepreneurship, and encouraging new sustainable habits.


Mangily Network

Odette RAHARIMALALA

Household size: 5 people
Main generating income activity: Commercial - small grocery store & "gargotte" (cheap eatery)

"Prior to ANKA's arrival, I ran a modest grocery store, but with the introduction of electricity, my business experienced a remarkable transformation. I was able to invest in a freezer, offering customers a refreshing selection of chilled beverages. My venture into the restaurant industry was also enhanced, as I could diversify the menu offerings effortlessly. Gone were the days of preparing a single dish due to charcoal limitations; the e-cooking kit streamlined the process, providing customers with a range of choices and reducing cooking time significantly. This convenience extended to our daily household routine, enabling my children to prepare breakfast swiftly and head to school without haste. Beyond the tangible benefits of time and cost savings facilitated by the e-cooking kit, the immeasurable gains in cleanliness and health have become a part of our daily lives, thanks to the e-cooking solution."

Additionally, **Angovo** will upgrade existing mini-grids, such as Mangily, a touristic village, by increasing storage system capacities. This enhancement will further optimize the energy mix, improving efficiency, stability, and boosting the green performance of existing mini-grids.

The **Angovo Project** extends business hours for markets and shops, improves food storage, boosts tourism, and enhances education and public safety through better lighting. Improved healthcare services, emergency medical care, childbirth assistance, vaccinations, and enhanced connectivity further foster local economic and community growth.

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Team Europe Project Partners:
ANKA Energy paves the way
AFD
Cofinancé par l'Union européenne
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Facilitated by:
Alliance for Rural Electrification
Supported by:
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