

Mad'Eole – First Wind Energy Plant in Madagascar

The local organization Mad'Eole is planning to establish a wind park with a total capacity of 1 MW at Ramena in the North of Madagascar. The project will help to reduce deforestation and the shortage in electricity supply, to create jobs for local workers and to enhance the air and water quality.



Energy supply is unstable in the city and the surroundings of Antsiranana (Diego-Suarez) at the northern tip of Madagascar. The high oil and electricity prices have boosted the demand on fuel wood and charcoal, which endangers the local forest resources.

The project, which will establish the first wind farm in Madagascar, aims to reduce the shortage in electricity supply as well as to introduce renewable and carbon-neutral energy production by constructing a new grid-connected wind energy plant in Ramena (25 kilometers away from Antsiranana). The wind plant will consist of 4 turbines with a capacity of 250 kW each, built in two phases of the project.

The wind power farm is a first step in a wider scheme of the organization Mad'Eole aiming at supplying the market around the Indian Ocean with wind turbines of high technological quality, produced locally in part, as well as know-how. Therefore, this project is the starting point for a technology transfer.

Each turbine will reduce around 450 tonnes of CO₂-eq. per annum, leading to an overall emission reduction of 11,700 tonnes of CO₂-eq. in the first 7 years after the start of electricity generation.

Portfolio: Sustainable

Type: Gold Standard VER Project (validation: to be defined)

Location: Ramena, Region of Antisarana, Madagascar

Project Type & Activities: Power generation by wind turbines

Baseline: Electricity grid of Antisarana (diesel generators)

Project Volume: 1,800 tonnes of CO₂ equivalents per annum

Implementation Date: from 2007 on

Crediting Period: 7 years