



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 local organization Mad'Eole is establishing the first wind park in Madagascar, with a total capacity of 1.2 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.

The project 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 km away from Antsiranana). The wind plant will consist of 6 turbines with a capacity of 200 kW each. Each turbine will reduce around 350 tonnes of CO<sub>2</sub>-eq per annum, leading to an overall emission reduction of 14,700 tonnes of CO<sub>2</sub>-eq in the first 7 years after the start of electricity generation.

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 and know-how, with locally produced components.

<b>Type:</b>	VER Project (Gold Standard validation in process)
<b>Location:</b>	Ramena, Region of Antsiranana, Madagascar
<b>Project Type &amp; Activities:</b>	Power generation by wind turbines
<b>Baseline:</b>	Electricity grid of Antsiranana (diesel and fuel oil generators)
<b>Project Volume:</b>	2,100 tonnes of CO <sub>2</sub> equivalent per annum
<b>Implementation Date:</b>	2007
<b>Crediting Period:</b>	7 years