

# Support the First Ever Refurbished Wind Turbines in Morocco

## Project description

The Oualidia wind farm is located in the Sidi Bennour province and spread on a 10 hectares field. It is the result of a circular economy vision, it's the first project using refurbished wind turbines in the country, the site re-uses 10 former Finnish turbines fully renovated for redeployment in Morocco. The turbines were used for 8 years in Finland before being redeployed in the country. Oualidia is also home to the tallest wind turbine in Africa (202 meters). Innovent (the project owner) partnered with spanish company Nabrawind to install their innovative system called *Nabralift*. This innovative tripod structure raises the mast in order to reach higher wind speeds. This system allows the wind turbine to gain up to 40% in energy generation. Thanks to the extra height, the turbine will produce extra electricity for 2,500 people in Morocco. The Nabralift system requires only 80 m3 of concrete and 10 tonnes of steel, compared to the 500 m3 of concrete and 60 tonnes of steel needed for a conventional wind turbine.

## Project developer

Innovent is a French independant company building and operating wind and solar farms in Africa (20% of their turnover). For more than a decade, they have worked to address the issues relating to development, construction and operation of wind power plant. They are an experienced company which has earned its place in the renewable energy sector.

## Sustainable Development Goals



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## Project details

**Project name:**  
Oualidia 1&2 Wind Project

**Project type:**  
Wind farm

**Location:**  
Oualidia, Morocco

**Project owner:**  
Innovent

**Status:**  
Operational

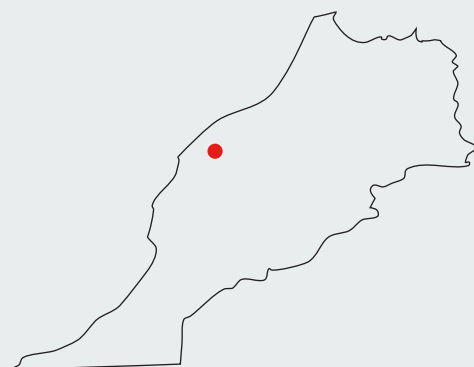
**Project ID:**  
Verra VCS 1989

## Key facts

**54,000 tCO<sub>2</sub>**  
saved/year

**36 MW**  
installed capacity

**4,000 tonnes**  
of noble materials re-used



## Pictures



## Impacts



Oualidia is home to the tallest wind turbine in Africa.

**The project is a business case of African excellence and innovation. It paves the way on other groundbreaking initiatives in the field of clean energy across the continent.**



The plant was built through advanced technology transfer from industrialized countries.

**The project was the first to introduce refurbished wind turbines in the country after they were fully renovated.**



Innovent used the local workforce to build the plant.

**The project hired 150 people for the construction phase and relies on local technicians to ensure operation and maintenance.**



Morocco targeted 4,000 MW of solar and wind capacity by 2020.

**The project is helping the country to reach its target by producing green electricity.**

## CSR Actions

Innovent has offered many solar installations to associations so that they can meet their energy needs. To date, hundreds of panels and inverters were donated.

## Key facts




**85 GWh**  
of energy produced/year.

**€27.8m**  
total amount invested by Innovent to build the wind farm.

**202m**  
highest wind turbine in Africa.

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