



Protecting our climate

## Renewable Energy Projects



### Sebenoba-Karakurt Wind Power Project

This project sees the construction of 21 new wind turbines at two sites in Turkey. By providing renewable energy, the project reduces Turkey's reliance on fossil fuels for electricity supply. The project aims to generate emission reductions of 127,000 tCO<sub>2</sub> equivalent in between 2007 and 2009, verified and certified to the Voluntary Carbon Standard.

#### Technology partner

Deniz Elektrik Üretim Limited

#### Country

Turkey

## About your project

This project supports the construction of wind turbines at two sites in Turkey. The Karakurt site is located in the Kirkagac region near Izmir and the Sebenoba site is situated in the southern district of Hatay. The combined capacity of the two projects is 40.8MW. The majority of Turkey's electricity is generated using natural gas, coal or oil. Electricity generated via wind power displaces electricity from fossil fuel plants and so saves the associated CO<sub>2</sub> emissions.

Turkey has vast wind resources, with potential for wind power projects in the west of the country and on the north and south coasts. Despite this, the installed capacity at the end of 2007 was only 120MW. There are numerous barriers to the wider implementation of wind projects, chief among them the high cost of the technology.

Carbon credits can make such projects financially viable and this is where funds generated from climate change programmes organised by The CarbonNeutral Company play their part. In this way, the development of a sustainable renewable energy industry can be supported.



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