



## Turkey – Wind Power

### Overview: Wind power plant generating renewable energy.

The project consists of 5 wind turbines, with a combined generating capacity of 15MW, with associated infrastructure for connection to the Turkish National Power Grid. It is located in the Turkish province of Balıkesir near the coast of the Sea of Marmara. The project was commissioned in September 2009.



### Benefits: Emissions reductions and sustainable development

This Project delivers reductions in greenhouse gas emissions by avoiding carbon dioxide emissions from electricity generation by fossil fuel power plants connected to the Grid. These emission reductions were quantified using the CDM methodology ACM002 version 09 and the guidance provided by the Gold Standard. The increasing share of local renewable resources provides diversity in the overall generation mix, and reduces import dependency of the fossil-fuel weighted electricity sector in Turkey.

The project contributes to local employment, with 7 local employees in place during the operational period and 26 locals amongst the 142 staff recruited by the developers and subcontractors during construction. Air quality improvements arise in proportion to the avoidance of fossil fuel consumption by regional power stations. The potential hazard to local or migratory birds has been carefully monitored by an ornithologist from the Osmangazi University; the three reports showed no evidence of bird collisions or other negative impact.

### Project carbon credits

During the verification period from 5 September 2009 to 30 September 2010, greenhouse gas reductions by this project totalled 26,546 tonnes of CO<sub>2</sub> equivalent. Carbon credits were verified to the Gold Standard version 2.0 in November 2010 by Bureau Veritas. (Certificate available upon request).