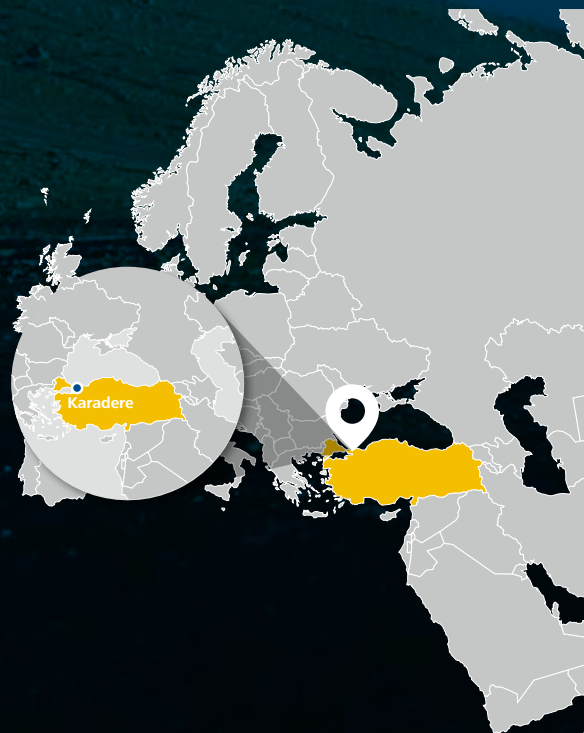


KARADERE WIND POWER TURKEY

**A clean, renewable alternative energy
source for the Turkish grid**



The Karadere Wind Power Plant feeds renewable electricity into the Turkish grid with a generation capacity of 15 MW. It provides a clean alternative to the burning of fossil fuels and paves the way for a more sustainable economy in Turkey.

The Context

A renewable alternative for Turkey's growing energy demands is a valuable asset to the country's economy. However, wind power plant investments in Turkey involve high risks, as experience is sparse and attractive financial incentives for electricity generation from renewable sources are lacking. The additional income from the sale of carbon credits from wind power projects thus facilitates a growth towards a sustainable economy in Turkey.

The Project

The Karadere Wind Power Plant diversifies the energy supply chain by the addition of a renewable energy source. Installed in 2014, it harnesses the power of the wind to a generation capacity of 15 MW. This generated energy supplements the national grid, reducing the country's reliance on carbon-intensive fossil fuel energy and displacing greenhouse gas emissions.

The Benefits

This project enhances the viability of grid connected wind farms, supporting an improved energy security in Turkey. It also supports the local infrastructure with the construction of new roads and the improvement of transmission lines. The project contributes to surrounding communities by making donations to the Kırklareli Environmental Protection Foundation, restoring potable water pipelines and sewer pipes in the Armagan village and creating employment and training opportunities for local people.

The emission reductions provided by the Karadere project is equivalent to emission reduction provided by more than 41,000 acres of forest in one year.



Water quality

and access is improved by restoring potable water pipelines and sewer pipes



Jobs

for local workers results in an increased income generation in the area



Infrastructure

is improved in the local area, including roads and transmission lines



43,581 tCO₂e

reduced annually on average by providing an alternative to the burning of fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Karadere Wind Power Plant | **UNFCCC/markit/VCS link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000001627 | **UNFCCC/markit/VCS ID:** 1627

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