



Sustainability action · Project Renewable Energy and Energy Efficiency

Düzowa wind power, Turkey

This wind farm at the shore of the Mediterranean Sea is contributing to the further development of renewable energy generation Turkey, a country that still depends on fossil fuels for the large part.

Project

In Western Turkey, an onshore wind farm has been installed to lower the country's dependency on fossil fuels and make way for a low carbon future. In addition to its positive impact on the global

climate, the project generates jobs for locals, is supporting rural communities and education programs. Among other initiatives, the project owner funded school renovations and educational equipment, and built or repaired infrastructure such as road pavements and water supply piping, respectively.

Technically, the wind farm consists of 12 wind turbines, each having a capacity of 2.5MW. For its outstanding features, the project has been labeled with the Geneva based Gold Standard, the strictest project standard in the carbon world.

Checklist	Additionality and permanence	3 rd party verified	Transparency	Annual CO ₂ -reduction	Social and environmental benefits	Marketing material
Project 301 541	According to the rules of the Gold Standard	By Bureau Veritas	Provided by the Markit Environmental Registry	55,000 tCO ₂ e	As documented in our database	high resolution pictures available



Location

The project is situated near Aşağıkırıklar vilage in the province of İzmir, facing the Greek island of Mitylene in the Aegean sea. The ancient city of Pergamon (today's Bergama) with its famous ruins is located just 20 km upcountry.

Project achievements

Socio-economic impact

- 40 jobs have been created in the construction of the plant, and long term employment for about 12 locals has been created in operation of the wind farms.
- The employees receive regular training on health and safety, first aid, fire, high voltage, risk analysis, emergencies, and security.
- The project owner funded the renovation of the school building and a new ballpark for the primary school in Aşağıkırıklar vilage to suport education and social development. In addition, technical equipment and stationery goods were donated to the primary school.
- Projectors were donated to the primary school of Yenikent vilage to improve teaching conditions.
- Roads of Aşağıkırıklar and Yenikent vilages have been built and paved, respectively, and a weight bridge to support the local economy.
- In another step to support rural communities, the renovation of the Ovacık vilage aqueduct has been supported by the project owner.
- In an attempt to strengthen women rights, the project owner sponsored the Turkish Women's Union meeting 2010 held in Bergama with its 250 representatives.

Environmental impact

- The location of the wind park was chosen in order not affect birds' migration routes, using Doga Dernegi Nature Society's Migrating Birds Map. Any possible impact on birds is being monitored, to date without any negative developments reported.
- The project has a strict waste management plan, with adequate disposal of waste and recycling of scrap.

Gold Standard

