



Sustainability action · Project Renewable Energy and Energy Efficiency

Wind power, Turkey

This wind park is contributing to the further development of renewable energy generation in Turkey, a country that still depends on fossil fuels for the large part.

Project

Even with its privileged situation of a long windy coast line, Turkey still relies to over 50% on fossil resources to fuel its growing economy. Now, pioneering wind parks have started to harness the untapped sustainable wind energy on the island's west coast to enable and promote a less carbon intensive future for the nation.

In addition to their positive impact on the global climate, the project generates jobs and is engaged in benefiting the region, e.g. by

contributions to the infrastructure. Sheep and wild horses living in the region encounter no restrictions by the wind project; actually, they can roam freely on the sites for grazing. The construction of wind farm led to no direct or indirect economic displacement and no sensitive areas or natural habitats were impacted.

For its outstanding features, the project has been labeled with the Geneva based Gold Standard, the strictest project standard in the carbon world.

Technically, the project activity involves 57 newly built wind turbines with a capacity of 2,5MW each, and generates about 549,000 MWh of clean electricity per year.

Checklist	Additionality and permanence	3 rd party verified	Transparency	Annual CO ₂ -reduction	Social and environmental benefits	Marketing material
Project 301 616	According to the rules of the Gold Standard	By SGS	Provided by Gold Standard Registry	330,000 tCO ₂ e	As documented in our database	Pictures available



Location

The project is located in the northwest of Turkey, in borders of Kepsut district of Balıkesir. The site is located in the one of the windiest coastlines in Europe, the west coast of Canakkale and Bandırma Province where the yearly average wind energy density exceeds between 200 and 300 W/m².

Project achievements

Socio-economic impact

- Funding of EĐeler Village Primary School repairs and playground, education equipment.
- Education equipment support for Dereköy and Karaköy village primary schools.
- Funding of Karakaya Village Mukhtar House repairs and the refurbishment of its library.
- By replacing fossil power from the grid, air pollution and associated diseases are being reduced.
- The project generated employment for 100 locals during the construction phase and presently 20 for the operation.
- The wind turbines used in the project operate without gear boxes, therefore they emit significantly less noise than common wind turbines.

Environmental impact

- The turbines use minimal ground space only for the poles, therefore their impact on the environment is close to zero

Gold Standard

