



Wind power, Turkey

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

Location



The project is situated in the asian part of Turkey, in the province of Aydın, coasting the Aegean Sea. The wind turbines have been erected in a sparsely populated region typified by agriculture and flocks of wild horses.

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. The wild horses living in the region encounter no restrictions by the wind project; actually, they can roam freely on the sites for grazing.

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 eight newly built wind turbines with a capacity of 2MW each, and generates about 62,000 MWh of clean electricity per year.



Project achievements



Socio-economic impact:

- By replacing fossil power from the grid, air pollution and associated diseases are being reduced.
- The project generated extra employment in the region during both construction phase (100 additional employees) and operation (35 permanent jobs).
- The project owner invested in the renewal of existing infrastructure in the region, such as roads and bridges.
- The wind turbines used in the project operate without gear boxes, therefore they emit significantly less noise than common wind turbines.
- Thanks to the procurement of building material (from concrete to turbine blades), the local economy benefited in many ways.

Environmental impact:

- The wild horses the region is known for are not affected by the wind farm but even come to graze and roam on the project site.
- The turbines use minimal ground space only for the poles, therefore their impact on the environment is close to zero.

Checklist Project 300 803



✓ Additionality and permanence:	according to the rules of the Gold Standard
✓ 3 rd party verified::	by SGS
✓ Transparency:	provided by the Gold Standard Registry
✓ Annual CO ₂ -reduction:	40,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available

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