



Wind power, Turkey

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

Location



The wind project is located in Turkey's İzmir province in western Anatolia, on the Aegean coast.

Project



Despite being blessed with a long, windy coastline, Turkey still relies largely on fossil resources to fuel its growing economy. Now, wind parks have started to harness the untapped sustainable wind energy on Turkey's west coast to enable and promote a less carbon-intensive future for the country.

The project activity involves 32 newly built wind turbines with a capacity of 2.5 MW each, and generates about 330,000 MWh of clean electricity per year.

The project activity is not only aimed at sustainable energy generation, but also concerned with the region's socio-economic development. Among other activities, the project owner is supporting a local elementary school and a local facility for the disabled through the donation of technical equipment.

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



Project achievements



Socio-economic impact:

- The project owner has built water resource infrastructure in the neighbouring village of Atçılar, where there had been a water shortage for many years.
- Computers and digital projectors were donated to İsmaili Elementary School to support education and mitigate the younger generation's migration to the big cities.
- In a further attempt to support education, the project owner has sponsored participation of students from İsmaili Elementary School for a six-day course in Ege University's Astronomer Summer School in Izmir.
- For the religious festival of Ramadan, food packages and cash support were given to all project personnel.
- Furniture and equipment were donated to the Aliğa Disabled Rehabilitation Association for its "Able Cafe", where disabled people can find employment.
- The project has generated extra employment in the region, with eight locals working in operational positions, earning wages above the local average.
- The workers receive regular training and classes on technical and security issues.
- The project owner has invested in the renewal of existing infrastructure in the region, such as roads and bridges, and has undertaken measures to reduce soil erosion.
- The project owner has set up a waste collection and recycling system at the project sites.

Environmental impact:

- The wind turbines have been erected away from birds' migration routes, and thus far no dead birds or bats have been found on site.

Checklist Project 301 297



✓ Additionality and permanence:	according to the rules of the Gold Standard
✓ 3 rd party verified:	by DNV
✓ Transparency:	provided by the Gold Standard Registry
✓ Annual CO ₂ -reduction:	190,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available

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