Sustainability action · Project Renewable Energy and Energy Efficiency

Canakkale Wind, 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 coastline, Turkey still relies to over 70% 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.

The project activity has an installed capacity of 29.9 MW, generating 91,570 MWh of electricity per annum. The project activity entails thirteen Siemens SWT 101 wind turbines, each having a capacity of 2.3 MW. The project will contribute to the share of renewable energy in the Turkish market. The generation of electricity from renewable source will replace electricity from the national grid and is expected to avoid release of 55,878 tCO_2 per year.

Checklist	Additionality and permanence	3rd party verified	Transparency	Annual CO_2-reduction	Social and environmental benefits	Marketing material
Project 301 862	According to the rules of the Gold Standard	By AECOM	Provided by Markit Registry	54,377 tCO_2e	As documented in our database	Pictures available

Location

The project activity is located in between Üvecik Village and Mahmudiye Town of Canakkale Province. The site is located in the one of the windiest coast- lines in Europe, where the yearly average wind energy density exceeds between 200 and 300 W/m^2.

Project achievements

Socio-economic impact

- Existing water supply line was renewed for better sanitation services to the local people
- Local shops and a fountain at the village square were renovated
- The Mahmudiye swimming pool was renovated
- The pre-fabric dorms, bathrooms and toilets at the construction site were donated to the Municipality for the use of nomadic people
- Electricity cost of Ivedik Elementary School is provided and school bags were distributed to the students at the beginning of the school year
- Slide projectors were supplied for Mahmudiye and Uvecik Elementary Schools
- Donation was made to the Mahmudiye Sports Club
- 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 gearboxes, 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
- In Summer 2012, a tree planting activity was executed in the project area

Gold Standard

Andrea Rumiz
Director Key Accounts

Phone +41 43 501 35 50
sales@thesouthpolegroup.com