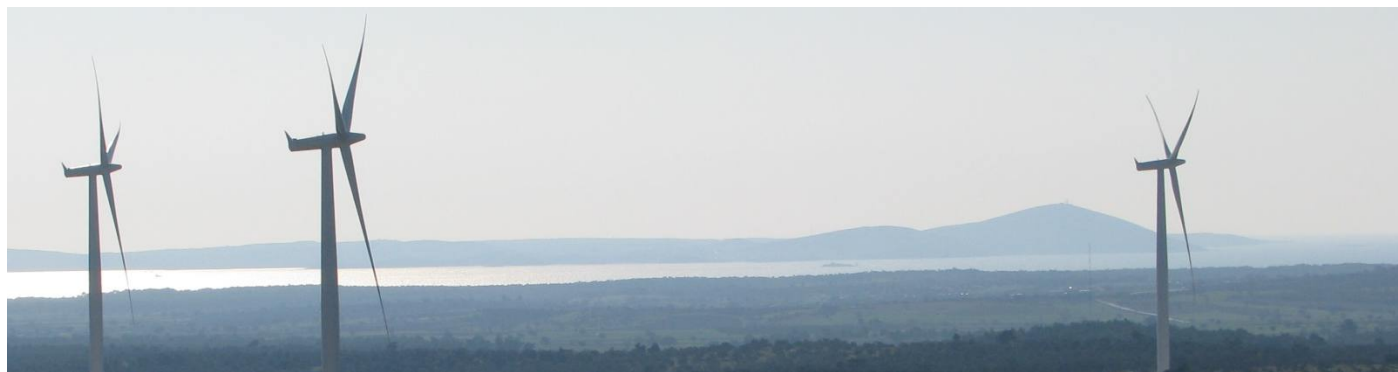


The Çanakkale Wind Power Plant in Turkey

The Çanakkale project supports renewable energy production by wind power in northwestern Turkey. The project not only reduces fossil fuel use, but the transfer of know-how also leads to large social and economic benefits for the local population.



Project Description

Prior to the project, this region in northwestern Turkey received electricity from the national Turkish grid.

Almost 75% of Turkish electricity is produced from fossil fuel, mainly coal. Hence, Turkish energy production causes large emissions of CO₂ to the atmosphere.

At the same time, the country's economic development increases the energy demand, but its volatility discourages investments into new technologies for renewable energy production. Furthermore, the lack of know-how and administrative barriers prevents the construction of large-scale renewable power plants.

The Turkish energy producer Enerjisa has initiated the Çanakkale project, which has so far installed thirteen modern wind turbines in the Ezine district. At full capacity, this project will produce enough energy to meet the entire region's demand.

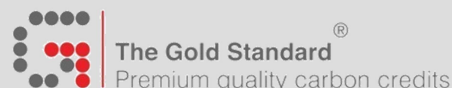
Today, the project has already substantially increased local employment. Not only does this improve livelihoods for the local communities, it also roots the project deeply in the region.

Hence, the new clean technologies have provided the basis for a more sustainable social and economic development of the whole region.

Project type: Renewable energy, wind.

Emission reduction: Owing to this project, yearly emissions of more than 55'000 tCO₂e can be avoided. This is equivalent of the CO₂ emissions of a big Swiss municipality.

Project standard: The project has been validated in accordance with the modalities and procedures of the Gold Standard VER.



Location: The Çanakkale project lies in the Ezine district in the Çanakkale province. This region is located in northwestern Turkey in the Marmara region.



Social and Economic Benefits

- The project has stimulated the **private sector to participate in energy production**.
- Due to the transfer of technology and know-how, **many specialized jobs** have been created, leading to a substantial increase of employment in the region.
- The **private sector** is encouraged to make **investments** into new technologies, which would not take place outside of the project.
- The substantial reduction in fossil fuel use makes Turkey **more independent of imports**, hence resulting in net foreign currency savings.
- The **local industry** is given priority, hence helping small businesses and local employees.
- Existing water supply line was renewed, which **improved the access to sanitation** for the local communities.
- A **fountain in the village** has been refurbished.
- Local shops received **help in re-organizing** their activities.
- The pre-fabric dorms, bathrooms and toilets at the construction site were left to the municipality **for the use of nomadic people**.
- Contributions both to local schools and other institutions were realized. One schools electricity debt was paid for, while students were provided with basic equipment.
- The **local sports club** Mahmudiye receives regular donations.
- **Inmates of an open prison** participated in the project, which helps their social re-integration.

Environmental Benefits

- The production of renewable energy has raised awareness for the possibilities of the **potential of renewable resources**.
- The project creates **energy diversification** in Turkey.
- In Summer 2012, **tree planting activity** was executed in the area as part of the project. This creates new recreational opportunities, while at the same time also improving air quality and acting as a sink of CO₂.

Would you like to support the Project “The Çanakkale Wind Power Plant in Turkey” by purchasing carbon credits?

Then contact us:

Othmar Hug, Climate Projects
+41 31 330 15 77, othmar.hug@swissclimate.ch

Communication kit

- Factsheet
- High resolution photographs



Guaranteed Swiss Climate Quality for credible offsetting

- High standards for projects (Gold Standard or equivalent)
- Additionality of the projects
- External validation and verification
- Social and economic benefits
- Complete transparency through deposition of the certificates in a public registry (Markit registry)