

## Wind Farm Project, Turkey

Wind Power is one of the most sustainable sources of energy. It generates no waste or emissions. The Wind Farm Project in Turkey is among a dozen South Pole wind power projects spread out over half the globe.

### The Location

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The Çanakkale province in which the project is located is in western Turkey, southwest of Istanbul. It spans both the European and Asian parts of the country at the shores of the Dardanelles. The ancient city of Troy, with about half a million inhabitants, is situated in the province.

### The Project

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The main objective of this Gold Standard VER Project is to generate electricity from wind energy and feed it into the national electricity grid.

The Wind Farm Project is a grid-connected onshore project. It consists of 11 wind turbines with a total installed capacity of 20,8 MW and a 21 km long transmission line. Given its specifications, the Project is expected to generate an emission reduction of about 50'000 metric tons of CO<sub>2</sub> per year over its 7-year crediting period.

With a predicted operational life of 30 years, the Project will reduce emissions long after the end of the crediting period.





## The Benefits

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The Project contributes significantly to sustainable development in the region, in part due to its high quality Gold Standard. Among its benefits, the Project:



- Reduces electricity imports, diminishes dependency on fossil fuels, and mitigates risks due to fossil fuel price variations
  - Diversifies the energy supply chain via the addition of a renewable energy source
  - Reduces greenhouse gas emissions and air pollutants by displacing electricity from fossil fuel based power plants
  - Creates jobs — in a region of Turkey that is less developed — during the construction and operation phases
- Supports the local economy via local procurement of services (subcontractors) and equipment (cables, masts and transformers for transmission lines; turbine blades; general construction materials, etc.)
  - Fosters technology transfer and empowers locals with new knowledge about renewable energy
  - Improves the local infrastructure via road construction and transmission line improvements

## The Details

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KEY DATA South Pole Project No. 300209  
Average Emission Reductions per year: 50'000 t CO<sub>2</sub> (24'000 available for sale)  
Standard: Gold Standard VER



### Further information:

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