

# Wind Energy Delivers Renewable Power in Turkey



Kores plans to build an information centre close to the wind power plant for children and young adults

**In Çesme, Turkey, myclimate supports the construction of a wind farm in the country. The six wind turbines deliver renewable power to 22,000 people.**

Kores WPP is located in the centre of the Peninsula of Çesme in the province of Izmir in Turkey. It consists of six wind turbines Nordex N90 of the 2.5 MW output, 90 m diameter and a hub height of 80 m. The wind turbines are connected to the wind farm substation through 34.5 kV underground cables. The voltage is raised to 154 kV, transferred to the Electricity Transformer Station, Alaçati-Urla TM, via a 50 m long transmission line and then fed into the national power grid.

The license for the 17.5 MW wind power plant was issued to Kores by EPDK in June 2006. The six turbines have been in operation since December 2009. In 2010, the total electricity produced was 47'400 mWh. This is enough to supply 22,000 people with renewable energy and also leads to expected annual emission reductions of 36'188 t CO<sub>2</sub>. In addition Kores has built an information centre close to the wind power plant for children and young adults.

The project will help Turkey to stimulate and commercialise the use of grid connected renewable energy technologies and markets. Furthermore, the project will demonstrate the viability of grid connected wind farms which can support improved energy security, improved air quality, alternative sustainable energy futures, create local employment during the construction and the operation phase of the wind farm, and improve local livelihoods.

**This project contributes to 4 SDGs (as of end 2021):**

Find out how myclimate reports these SDGs in our FAQ.

## Project type:

Wind

## Project location:

Çesme, Turkey

## Project status:

Completed, credits available

## Annual CO<sub>2</sub> reduction:

36,188 t

## Situation without project

Regional fuel mix

## Project standard

**Gold Standard<sup>®</sup>**

VER

## Impressions



The wind farm in Izmir, Turkey



The wind power plants help to reduce Turkey's energy deficit in an environmentally-friendly way

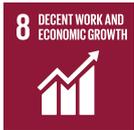
The following SDGs are verified by the Gold Standard:



Thanks to the nearby built information center, school classes can learn about the advantages of renewable energy.



411 GWh clean electricity have been produced since the project start.



5 jobs created.



248,216 tonnes of CO<sub>2</sub> avoided.



Local school classes can visit the wind park and learn about renewable energies.



The six wind turbines deliver clean power from renewable energy for more than 100'000 households