



Wind power, China

A wind farm in Northern China is contributing to the further development of renewable energy generation, mitigating climate change and the country's dependency on fossil fuels.

Location



The wind farm covers an area of about 55 km² in the northern part of Hebei Province, close to the Yin Mountains, an area typified by a rough climate.

The region's economic focus is on heavy industry, making the wind farms and other alternative energy generation crucial for China's low carbon future.

Project



The Guyuan Wuhuaping wind power project is equipped with 33 sets of wind turbines, each with a hub height of 80m. At a unit capacity of 1,500kW and a total installed capacity of 49.5MW, the estimated electricity delivered to the primarily fossil-fueled North China Grid is 117,000MWh per year.

The wind farm plays a crucial role in supplying Northern China with renewable energy, supporting the country's efforts for a low carbon future. Located in a region dependent on heavy industry, the installation of the wind farm is a strong sign of the commitment to a clean economy, and is perceived as an important source of income amongst the local population.



Project achievements



Socio-economic impact:

- The project has created ten permanent employment opportunities for locals in operation and maintenance.
- During the construction phase, many locals also found temporary work in the preparation and erection of the wind turbines.
- Thanks to the avoidance of further coal-fired electricity generation, air pollutants such as sulphur dioxide and particulate matter are being reduced. This benefits health and general environmental conditions.

Checklist Project 301217



✓ Additionality and permanence:	according to the rules of the VCS
✓ 3 rd party verified::	by SGS
✓ Transparency:	provided by the Markit Environmental Registry
✓ Annual CO ₂ -reduction:	120,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available