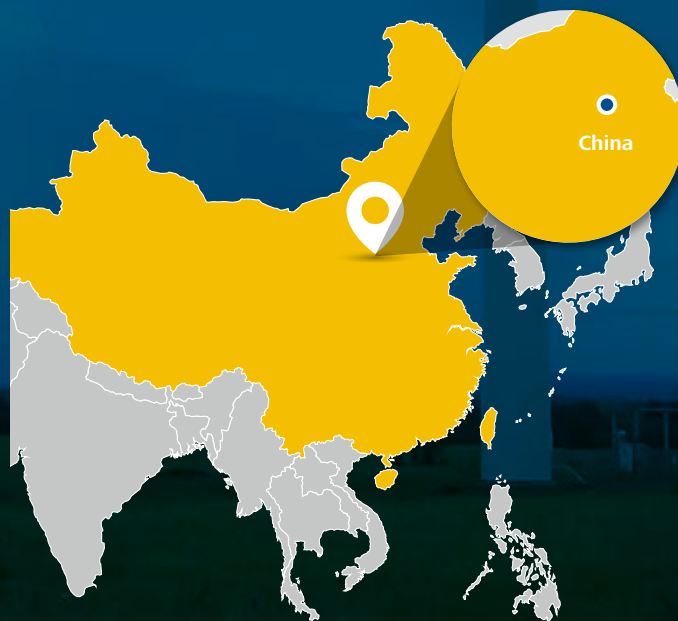




ZHANGBEI WIND FARM CHINA

**Replacing fossil fuels with wind
energy in Northern China**



The Zhangbei wind farm is located in the Hebei province in northern China, an area covered by grassland and desert close to the Inner Mongolian autonomous region. The project consists of 66 wind turbines that generate approximately 96,530 MWh of clean, renewable energy per year to meet the constantly growing demand in the North China Power Grid. At the same time the Zhangbei wind farm provides measureable economic, environmental and social benefits for the local community.



Northern China has the largest usable wind power capacity of the country, playing an important role in the transition towards a cleaner energy supply.

China historically depends on fossil fuels, mainly coal, for energy generation. However, recently there has been a shift towards more renewable energy sources, such as wind power. Residents in Northern China can benefit from this transition, as the region has the largest usable wind power capacity in the whole of China. The Zhangbei wind farm with a capacity of 49.5 MWe generates clean renewable energy, resulting in annual emission reductions of approximately 103,796 tonnes of CO₂e per year.

The project has created permanent jobs during the construction and operation of the wind farm, and provides training for staff on technical, health and safety topics. Local communities benefit from the economic stimulus that the investment brings to the region. The Zhangbei wind farm also contributes to a more reliable power supply, making the economic development in the region more viable. This project is GS CER certified, enhances local livelihoods, and reduces air pollution and harmful GHG emissions.

Gold Standard


WELL-BEING

Reduction of air pollution (SO₂ and NO_x emissions)



96,530

Clean renewable energy generated per year (GWh)



25

Number of permanent jobs created



103,796

GHG emissions mitigated in relevant year (tCO₂e)

PROJECT HIGHLIGHTS

For more information on the UN Sustainable Development Goals please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>