



ZHANGBEI DANJINGHE WIND ENERGY CHINA

**Creating environmental and long term
community benefits with sustainable wind power**



The Zhangbei Danjinghe Wind Project not only produces clean and renewable energy, but also provides socio-economic and environmental benefits to the surrounding area through long term employment, grassland regeneration and the provision of new infrastructure.

The Context

In the remote farmlands of the Yin Mountains in North China, the Zhangbei Danjinghe Phase III Wind Power Project consists of 33 wind turbines, powered endlessly by the earth's winds to feed clean energy to the North Power China Grid.

The Project

By providing an alternative energy source to the burning of fossil fuels, the emission of CO₂ and other air pollutants in the project area is reduced including sulphur dioxide and nitrous oxides which cause health problems, smog and acid rain. The project was built on degraded grassland, which was no longer viable for agriculture. However, the implementation of good environmental management measures by the project owner has led to regeneration of the grassland, with the result that some areas are once again being used by local farmers.

The Benefits

Benefitting more than just the environment, this project has also created employment opportunities for local people for the operation, assembly and installation of the wind farm. Project staff benefit from training, workplace facilities and regular shuttle buses between the project site and Zhangjiakou City. In addition, the owner has further supported the local community through the provision of sustainable infrastructure, including new roads and sanitation facilities, as well as the installation of solar street lamps in the nearby villages.

Previously degraded grassland has been regenerated by the project owner so that some areas are once again being used by local farmers.



Gold Standard



**108,000
MWh**

of clean energy generated a year, providing a sustainable alternative to fossil fuel energy.



**10
jobs**

have been created for project operation, boosting the economy by creating new income streams for locals.



Infrastrture

such as new roads, solar lamps and sanitation facilities provided to nearby villages.



**99,000
tCo₂e**

reduced a year, directly contributing to climate change mitigation.

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

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