Sustainability action · Project Renewable Energy and Energy Efficiency

Gansu Jinchang Magang and Huangmaopo Bundled Wind Power, China

Two wind farms 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 and Project

The bundled project is sited in Jinchang City, Gansu Province, P. R. of China and covers an area of about 67 km2 in the northern part of Gansu 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.

The Magang 49.5 MW wind power project is equipped with 33 sets of 1.5MW wind turbine-generators to generate clean and renewable electricity with zero emissions. The total installed capacity of the Magang project is 49.5MW and it delivers approximately 102.8687 GWh per year under full operation.

Yongchang Huangmaopo 49.5MW wind power project is equipped with 33 sets 24 sets of 2MW wind turbine-generators and 1 set of 1.5MW wind turbine-generators
The total installed capacity of this project is 49.5MW and it delivers approximately 101.3816 GWh per year under full operation. The total installed capacity of the bundled project is 99MW, and annual net power generation amounts to 204.2503GWh.

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 Name	Capacity in MW	Expected production in GWh/y in 2015	Commissioning date
Magang	49.5	102.8687	01 March 2013
Yongchang Huangmaopo	49.5	101.3816	01 March 2013

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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
- **Helping to stimulate the growth of the wind power industry** and, encouraging and promoting the technology progress and commercial popularization of grid-connected clean renewable energy generation in China

Environmental impact

- Reducing the emission of other pollutants resulting from the power generation industry in China, compared to a business-as-usual scenario

Checklist Project 301855

Commercial Operation Date
March 2013

Total capacity
99 Mw

Estimated Annual Electricity Generation
101.3816 GWh

Quality Assurance and Verification
Annual audit by Applus+
Annual verification provided by Gold Standard Foundation for micro-projects

Transparency
RECs listed in GoldPower Register (http://goldpower.net/goldpowerregister)
Underpinning carbon credits retired in Gold Standard Markit Registry

Marketing material
High-resolution pictures available

Reportability
Meets GHG Protocol Scope 2 Guidance criteria

GoldPower credentials projects certified by

The Gold Standard®
Premium quality carbon credits

GoldPower credentials reportable under

WWF · CDP · WINDMADE · RE 100

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Natalia Gorina
Sales Director Carbon & Renewables

Phone +41 43 501 35 50
sales@thesouthpolegroup.com

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