



GUANGXI WIND CHINA

Powering China's southwest with
clean wind energy



Powered endlessly by the prevailing winds of southwestern China, this wind farm supplies clean energy to the Guangxi Province electricity grid.

The Context

China is a vastly populated country that is experiencing accelerated expansion and development. Due to a heavy reliance on fossil fuel energy sources, there is an increasing need for alternative energy solutions that do not produce greenhouse gas emissions.

The Project

The Guangxi Wind project in China's southwest consists of 24 turbines with a total installed capacity of 48 MW. These wind turbines turn endlessly to generate renewable wind energy, which is supplied to the Guangxi Power Grid where it displaces thermal plants running on coal, reducing greenhouse gas emissions and improving regional air quality.

The Benefits

Now, less fossil fuel is burnt to meet electricity requirements in the Guangxi area, and regional water resources that would otherwise be used by coal-fired power plants are instead conserved. The project also created local employment during its construction phase and built around 19 km of roads to service surrounding communities.

Thanks to the Guangxi Wind project, nearly 350,000 people now enjoy electricity generated from clean wind energy.

Commercial Operation Date

25 April 2016

Total capacity

48 MW

Reportability

Meets GHG Protocol criteria



**48
MW**

total installed capacity of wind turbines



**200
jobs**

created for local people during wind farm construction



**74,791
tCO₂e**

reduced on average annually

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

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