

GUANYIN WIND FARM TAIWAN

Providing clean wind power
for Taiwan



The Guanyin wind farm is located in the northwest of Taiwan. It began operation in January 2010. With 19 Enercon wind turbines with a total capacity of 43.7 MW, it generates approximately 142 GWh of clean electricity per year. By replacing electricity otherwise generated using coal and natural gas, the wind farm improves the island's energy security and enhances its sustainable development.



The project generates renewable energy, improves energy security, and enhances local livelihoods.

Taiwan lacks energy resources and imports up to 98% of fuels required for its energy supply, relying mainly on imported fossil fuels. The Guanyin wind farm supplies clean renewable energy to over 30,000 households in Taiwan whilst avoiding negative environmental and health impacts. It reduces Taiwan's dependence on fossil fuel imports, strengthens its economic sustainability and contributes to the development of the wind sector in Taiwan.

The project provides socioeconomic and environmental benefits locally and nationally. The project owner offers scholarships to students and organises wind farm tours and trainings for high school and university students. He is involved in local community activities, sponsors campaigns for elderly and socially vulnerable residents and organises environmental events, such as beach cleanings.

PROJECT HIGHLIGHTS

7 AFFORDABLE AND CLEAN ENERGY



142

Clean renewable energy generated per year (GWh)

8 DECENT WORK AND ECONOMIC GROWTH



13

Number of permanent jobs created

13 CLIMATE ACTION



110,293

GHG emissions reduced in relevant year (tCO₂e)

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

CHECKLIST PROJECT

Commercial Operation Date

18 January 2010

Total capacity

43.7 MW

Quality Assurance and Verification

Annual audit by PWC

Annual electricity verified by TÜV Rheinland Japan Ltd

Transparency

RECs listed in GoldPower Register

(<http://goldpower.net/goldpowerregister>)

Underpinning carbon credits retired in the Market Registry

Marketing material

High-resolution pictures available

Reportability

Meets GHG Protocol Scope 2 Guidance criteria

GoldPower credentials projects certified by

GoldPower credentials reportable under

Gold Standard



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