



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, it reduces on average 110,293 tCO₂e per year.

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.



50

Children benefitting from education initiatives



142

Clean renewable energy generated per year (GWh)



13

Number of permanent jobs created



110,293

GHG emissions reduced in relevant year (tCO₂e)