



INFRAVEST GUANYIN WIND TAIWAN

Enhancing Taiwan's sustainable energy supply with wind farm power



This wind farm consists of 19 Enercon wind turbines with a total capacity of 43.7 MW, turning endlessly to generate approximately 142,000 MWh of clean electricity per year. By replacing electricity otherwise generated using coal and natural gas, this project reduces an average of 94,291 tCO₂e per year.



The Context

Despite the privilege of a long and windy coastline, Taiwan is still heavily reliant on fossil fuels, which comprise of over 75% of the country's total installed electricity capacity. Shifting towards more sustainable energy sources is vital to the country's national security, economic development and environmental preservation.

The Project

The Guanyin wind farm supplies clean renewable energy 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 Benefits

The project provides socioeconomic and environmental benefits locally and nationally. In addition to generating positive impacts on the global climate, this project is engaged in several nature preserving activities such as regular cleaning of beaches from waste and debris, and guided tours to raise awareness of climate change, pollution and other environmental issues. The project owner organises employee training with topics surrounding technical, environmental/safety code, and operational/maintenance procedures.

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



142,000
MWh

clean renewable energy generated on average annually, providing a clean alternative to fossil fuels



13
permanent jobs

created, boosting local economies



94,291
tCO₂e

reduced per year on average, contributing to global climate action

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

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