

Changbin and Taichung Wind Taiwan

Expanding Taiwan's renewables
sector and raising environmental
awareness



By harnessing the power of prevailing coastal winds to generate clean energy, the Changbin and Taichung wind farms power Taiwanese homes, while helping to expand Taiwan's renewable energy industry. The project owner is helping boost sustainable development through a number of local initiatives, such as guided wind farm tours that raise awareness about climate change and pollution, supporting the elderly and a scholarship programme.

The Context

Despite strong coastal winds along its shoreline, the island of Taiwan remains heavily reliant on fossil fuels, which make up over 75 percent of its total installed electricity capacity. Shifting towards sustainable energy is vital for Taiwan's national security, and its economic and environmental prosperity.

The Project

This project harnesses the strong prevailing winds along Taiwan's coast near Taichung in the west and Changbin in the east. The wind farms consist of 62 wind turbines, and generate over 480,000 MWh of clean power on average each year which is supplied to the local electricity grid.

The Benefits

As well as contributing to global climate change mitigation efforts, through emission reductions, the project is engaged in several activities that help to preserve the local ecosystem, such as regular beach clean ups and guided tours that raise awareness about climate change, pollution and other environmental issues. The project has also supported the reforestation of 2,400 m² of land, which is encouraging local biodiversity.

The project owner facilitates a number of sustainability initiatives and environmental protection activities, such as a beach clean up, awareness training and reforestation over 2400m²



Gold Standard



**483,864
MWh**

renewable electricity generated annually and supplied to the local grid



**28
local jobs**

created, boosting local economies



**328,000
tCO₂e**

reduced on average annually by providing a clean alternative to fossil fuel generation



**2,400
m²**

of trees planted by the project, encouraging biodiversity in the area

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

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