



The wind farms are located on the west coast of Taiwan and produce about 500 GWh of electricity per annum – clean energy for around 110,000 households and an important step for the expansion of renewable energy in Taiwan.

Local Situation:

As the largest wind farm of its kind in Taiwan the project contributes to the expansion of renewable energy production in a country dominated by coal-fuelled power so far. With the clean wind power an amount of 340,000 tons of carbon dioxide is saved annually. Despite its privileged location with a long and windy shoreline, Taiwan still depends on its rich dirty coal resources and the import of crude oil to provide more than 50 percent of its energy supply. For several years wind farms have started to use the untapped potential of wind energy on the island's west coast, in order to promote the country's coal free future.

Effect for Climate Protection:

The wind farm is situated in Changbin and Taichung City – two different locations on the country's west coast with strong winds - and is the largest of its kind with its 65 wind turbines at 2.3 MW rated output. Each year, the power plant produces about 500 GWh of electricity. This is enough to power 110,000 households with clean energy. Most of the wind turbines were set up on a former industrial side and along a coastal road. Therefore, the ideal wind conditions are used and at the same time additional land usage could be avoided.

Sustainable Development:

In addition to the positive impact on the global climate, the project provides sustainable jobs in the construction and operating phase of the wind power plants. Furthermore, the operator is intensively committed to local environmental protection, for instance, by cleaning up the local beaches regularly. This and other activities lead to a high level of public interest in the project, that has become a local tourist attraction. Guided tours of the wind farm and information events on renewable energy are offered.

Portfolio
Wind

Project standard
Gold Standard
Climate Security & Sustainable Development

Emission reduction
approx. 340,000 t CO₂e

Project status
VER, certified (GS 472)

Location
Changbin and Taichung, Taiwan

Project verification
SGS United Kingdom Ltd.

Sustainable Development Goals

