

CLEAN ENERGY FROM WIND TAIWAN

Harnessing natural wind power to provide communities in Taiwan with renewable energy



This project consists of numerous wind farms across Taiwan with a collective capacity of 92.4 MW. By generating a clean, renewable energy alternative for state-owned power grid, this project displaces the greenhouse gas emissions that would have otherwise been generated by fossil fuel energy.



The Context

Power generation in Taiwan is fossil-fuel dominated, despite the country's limited fossil fuel resources. Given Taiwan's dependence towards fuel import (98% of fuel demand is imported), a switch to more renewable energy sources is an important environmental and economic development for Taiwan.

The Project

This project comprises of 42 Enercon wind turbines with total installed capacity of 92.4 MW. At full capacity, these grouped wind farms can generate approximately 250,866 MWh of clean energy a year, which is delivered to the state-owned power grid, Taipower Grid. This aids in reducing Taiwan's dependence on carbon-intensive fossil fuel energy generation methods.

The Benefits

By providing a viable clean energy alternative to fossil fuel energy, this project addresses climate change by reducing the level of greenhouse gases in the atmosphere. This contributes to the development of the wind energy sector in Taiwan, with a long term benefit for the clean energy transition in Asia. Beyond environmental benefits, this project creates local employment and capacity building as the employees are trained by German wind turbine manufacturer Enercon on maintenance, safety and operational issues.

Contributing to Taiwan's energy sustainability and security by reducing the dependency on fossil fuel imports.



Gold Standard



250,866
MWh/year

generated annually, providing clean energy to the national grid



49
jobs

created from project activities, boosting local economies with increased incomes



190,908
tCO₂e

emissions reduced annually by providing an alternative to the burning of fossil fuels

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

Official name: InfraVest Taiwan Wind Farms Bundled Project 2011 | **UNFCCC/markit/VCS link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000001929
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