



InfraVest Tongyuan Wind Farm Taiwan

Harnessing wind power for a sustainable, secure energy future



The project involves the construction and operation of 34 onshore wind turbines across 5 wind farms, to harness the prevailing coastal winds of northwestern Taiwan. The electricity generated is fed into the national grid, powering the island with clean, renewable energy. This displaces power derived from fossil fuels and supports the development of the wind energy sector in Taiwan.



The Context

Taiwan has been plagued by severe energy challenges, significantly securing its energy supply as it has had to rely on imported energy for a large proportion of its consumption. The government is also facing popular pressure to switch to greener forms of energy to tackle worsening urban air pollution. By 2024, Taiwan aims to increase the share of renewables in its power mix from 6% to 20%.

The Project

The project harnesses the prevailing coastal winds of northwestern Taiwan using 29 wind turbines, each with a capacity of 2.3MW and a total capacity of 66.7 MW, across 5 different wind farms. The project will deliver electricity to the state-owned power grid, Taipower.

The Benefits

The project reduces the greenhouse gas emissions in Taiwan by displacing fossil fuel based power generation, contributing to national and global efforts to limit climate change. Furthermore, it boosts to the development of the wind energy sector in Taiwan thanks to the transfer of technology and expertise. The local employees are trained by the German wind turbine manufacturer on maintenance, safety and operational issues.

The project provides clean, renewable electricity to the equivalent of 41,245 households' annual demand to the grid



Technical training

building employees skill capacity on policy, planning, technical knowledge and design, safety and procedures



160,080 MWh

of clean renewable electricity fed into the grid



45 jobs created

providing economic opportunities to the local communities



107,500 tCO₂e

mitigated on average annually

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

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