



Sustainability action · Project Renewable Energy and Energy Efficiency

Changbin and Taichung wind power, Taiwan

Two wind parks are contributing to the further development of renewable energy generation in Taiwan, a country that still depends on fossil fuels for the large part.

Project

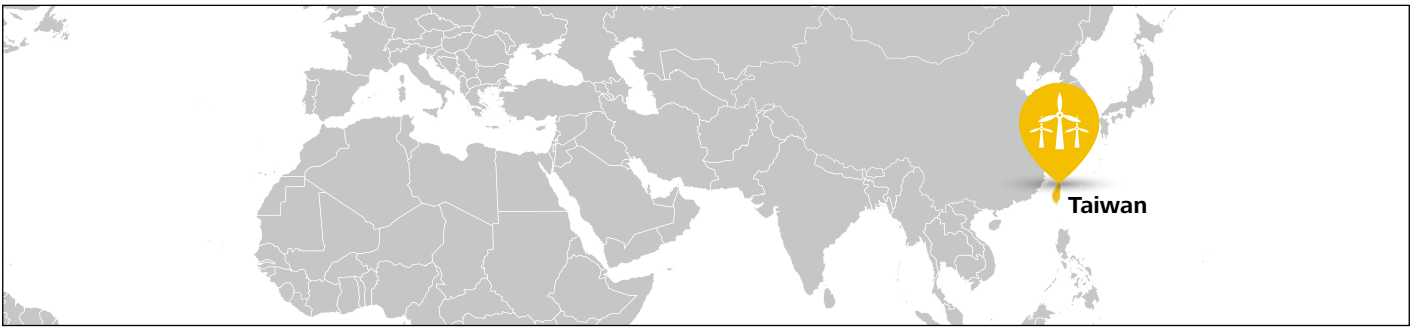
Even with its privileged situation of a long windy coast line, Taiwan still relies to over 50% on its rich but dirty coal resources to fuel its growing economy. Now, pioneering wind parks have started to harness the untapped sustainable wind energy on the island's west coast to enable and promote a less carbon intensive future for the nation. In addition to their positive impact on the global climate, the project generates jobs and is engaged in benefitting the surrounding environment, e.g. by regularly cleaning the beaches from the waste of civilization.

These and other activities have generated high public interest in the project, making it even a tourist destination for the general Taiwanese public, with guided tours and a promote approach for the further sustainable development of the country.

Technically, the two wind farms consist of 65 wind turbines, each having a capacity of 2.3MW. At full capacity, the aggregated output of the project is expected to be 507 GWh/ year, which is delivered to the regional state electricity authority, Taipower.

For its outstanding features, the project has been labeled with the Geneva based Gold Standard, the strictest carbon project standard in the world.

Checklist	Additionality and permanence	3 rd party verified	Transparency	Annual CO ₂ -reduction	Social and environmental benefits	Marketing material
Project 300 190	According to the rules of the Gold Standard	By SGS	Provided by Gold Standard Registry	370,000 tCO ₂ e	As documented in our database	High resolution pictures available



Location

The two project sites are situated on the plain west coast of Taiwan, near Taichung and Changbin, respectively. The island – today dependent of domestic coal and imported oil – has a huge potential for wind power that needs to be further exploited to satisfy the dense population's and the growing economy's needs.

Project achievements

Socio-economic impact

- Every year, scholarships are given to ten students of the Wei Lite College.
- Long term employment for locals has been created in operation of the wind farms.
- The employees received training by the German wind turbine manufacturer on maintenance, safety and operational issues.
- Supporting the Formosa Community, Taichung City, which offer first aid training, arts and crafts classes for mothers and a reading club.
- Scholarships and funding to the Ta Tan Elementary School.

Environmental impact

- Beach cleaning events in collaboration with surrounding communities save the area as a habitat for wildlife.
- The project owner is contributing to the further development of the renewable energy sector in Taiwan by conducting informational events and windpark tours for students and the public.
- Providing clean electricity to the equivalent of 130,000 households, the project is raising awareness for climate and environmental issues in the general public.
- The project's waste- and emission-free power generation helps to reduce air pollutants such as sulphur dioxide, nitrogen oxides and particles resulting from electricity generation from fossil fuels.
- During construction, the project owner accounted for local birds' breeding patterns to minimize the environmental impact of the building activities.

