

Peralta I-II Wind Farm

The Peralta G.C.E.E. Wind Farm consists of two wind farms, Peralta I – II, in which fifty ENERCON E-92 wind turbines are installed.

With a total output of 100MW, operates since August 2015 becoming the largest private wind project of the country.

The wind farm produces approximately 430 GWh per year, equivalent to the annual energy required to power 42.000 homes.



Technical Specifications

Turbines	50
Type	ENERCON E-92
Rated Power	2,35 MW
Rotor diameter	92 m
Hub height in meter	108 m
Tower	Concrete/steel
Precast tower sections	14
Tramos de acero	3
Rotor blade length	45 m
Annual output	430.000 MW



The G.C.E.E. (Peralta I-II) Wind Farm guarantees the generation of energy from non polluting sources and contributes to counter the effects of global warming effect and to reduce the impacts of climate change.

Since its operation, it avoids the emission of 234.000 tonnes of carbon dioxide (CO2) per year, equivalent to planting 349.000 trees or taking 54.000 cars off the road.

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PERALTA G.C.E.E.
Peralta I-II

WIND FARM

Nature conservation

The Environmental Impact Assessment conducted prior the construction of the wind farm allowed to identify the environmental aspects and the ecosystems of the surrounding areas and to assess the condition of native flora and fauna. Species of conservation interest has been identified, such as yellow cardinal, black-chested buzzard-eagle, athene cucularia, rheas, armadillo and felis silvestris, among others.

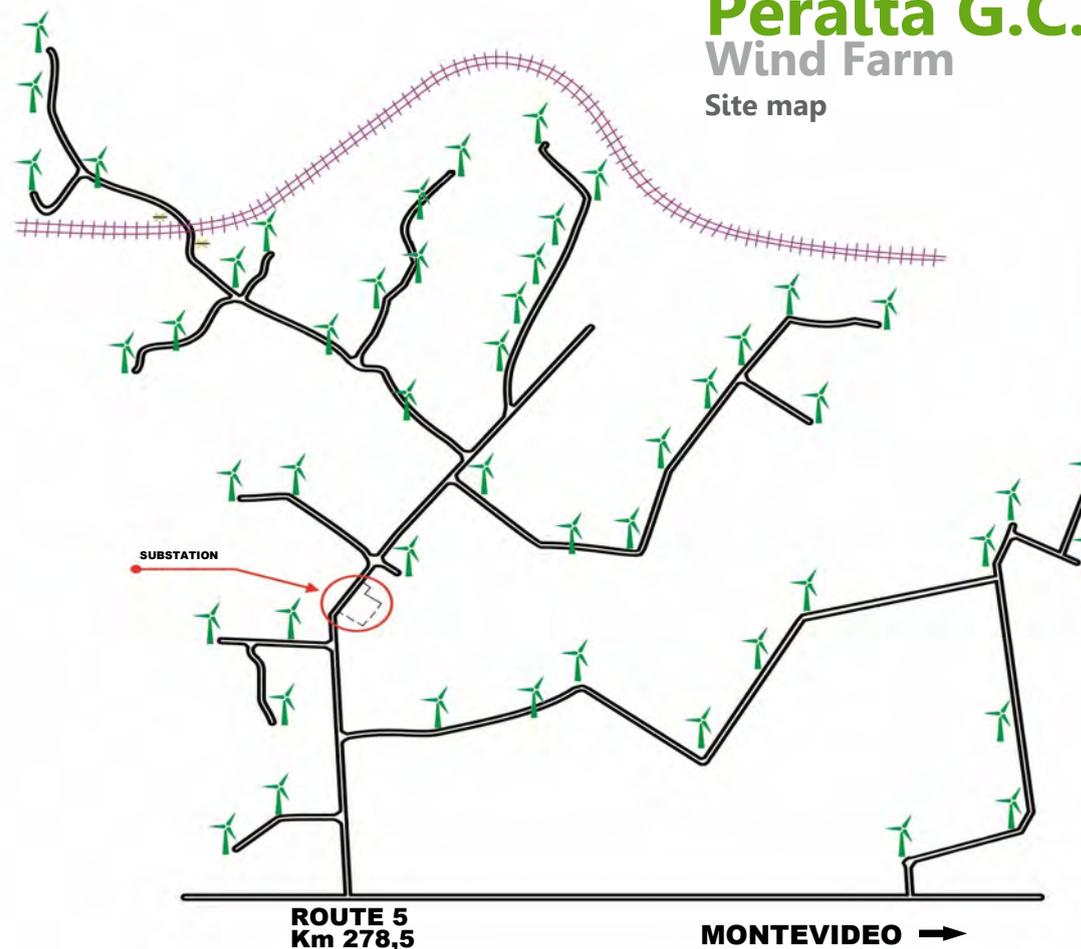
Operation phase

Once the construction phase was completed, habitat restoration works were conducted in order to recover the initial landscape and assure the compatibility of farming activities with the operation of the wind farm. With the aim of enriching the habitat, a native seeds bank was created and trees and bushes from 60 different species were planted in 8 forest formations of indigenous Latin-American types: ribereño, serrano, parque and quebrada.

An environmental management and monitoring plan has been implemented to ensure the correct and safe use of the required materials and products for the operation of the wind farm, as well as to ensure the waste management, the preservation of water and soil conditions and the monitoring of biodiversity affection (in particular, birds and bats).

When the operation life of the wind farm concludes, not before 20 years, the turbines will be dismantled and removed. In addition, the site will be restored to its initial condition.

Peralta G.C.E.E. Wind Farm Site map



The Peralta G.C.E.E. Wind Farm is located in Tacuarembó, the largest Department of Uruguay, well-known for its unmistakably beautiful natural landscape of low hills and cattle land.

The land sections in which the wind farm is established are on Route 5, at Km278, in Cuchilla Peralta, about 100Km from Tacuarembó, and nearly 30Km from Paso de los Toros.

With an extension of approximately 2.800 Hectares, the wind farm consists of several agricultural and cattle breeding land sites which continue to be used as such, since they are not affected by the project. The site is separated into two sectors by the road to "Estación El Lago", on the Southeast off Route 5.