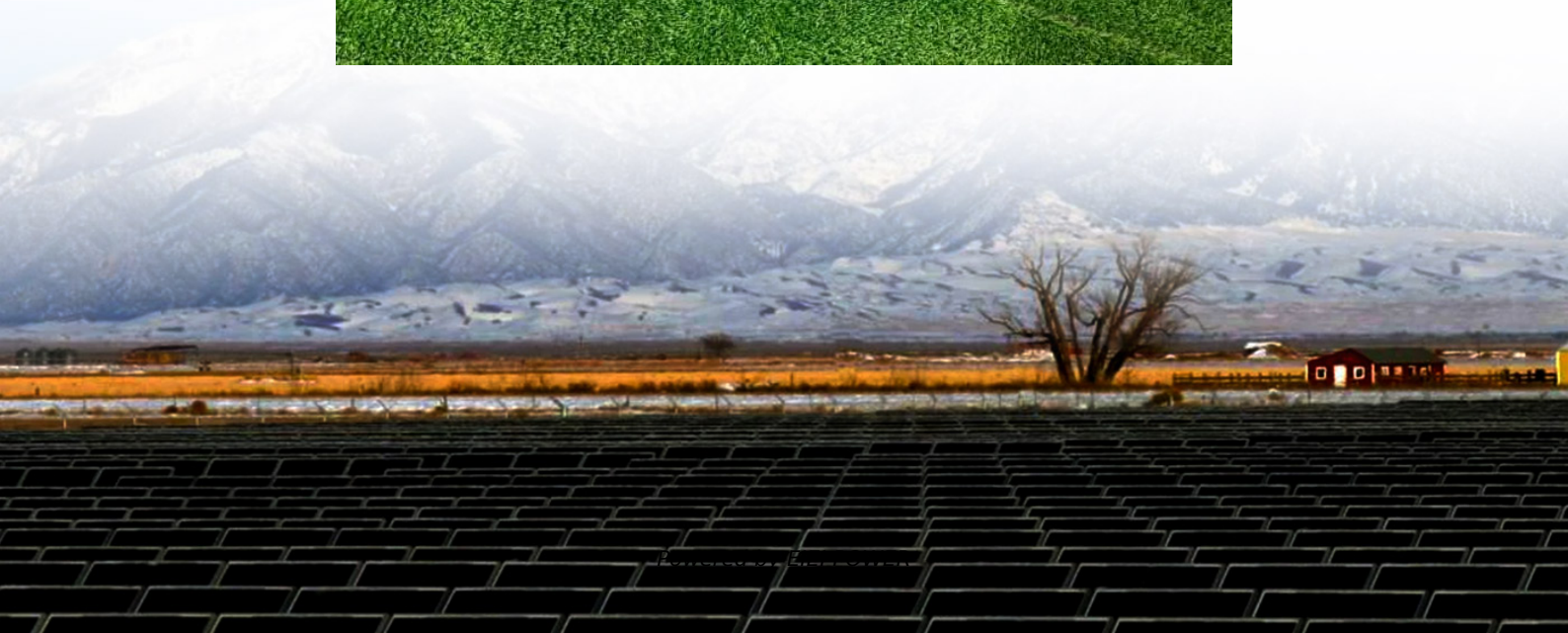


Lima production base station wind power products





Overview

Does Peru have a wind power plant?

Wind is an inexhaustible energy resource and offers a large potential in several Peruvian provinces. Fig. 1. Peruvian energy matrix of 2022 . As it was mentioned previously, Peru has only seven wind power plants which are Tres Hermanas, Wayra I, Parque Eólico Marcona, Cupisnique, Talara, Duna and Huambos .

How much wind energy is produced in Peru in 2023?

This installed capacity for the year 2023 is equivalent to 3% of the usable on-shore wind energy potential of 20.5 GW. In Figure 16, it is possible to see a summary indicating the amount of annual energy generated in GWh and the capacity factor of each wind farm that is in operation in Peru.

Where is the best place to build a wind farm in Peru?

The best locations for wind farm planning at great elevation heights in the Peruvian countryside are Piura and Arequipa. The scarce promotion of wind energy generation in Peru leads to using fossil fuels and polluting the environment with greenhouse effect gasses.

Will the government of Peru implement wind farms in different places?

There are high expectations that the government of Peru will promote public policies that seek the implementation of wind farms in different places in the territory, which will allow the generation of renewable energy and provide access to clean energy to more inhabitants and productive activities.



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