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Ayitepa Wind Farm

The 225MW Ayitepa wind farm is being developed in the Ningo-Prampram district, approximately 60km east of Accra city in Ghana, West Africa.

Type

Wind farm

Location

Ghana, West Africa

Installed Capacity

225MW

Start of Construction

2017

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The Ayitepa wind farm will be located in Ghana, West

The 225MW Ayitepa wind farm is being developed in the Ningo-Prampram district, approximately 60km east of Accra city in Ghana, West Africa. The project is developed by the Lekela Power joint venture, comprised of Mainstream Renewable Power and Actis.

Estimated to cost \$525m, Ayitepa is not only the first wind project in Ghana but also the biggest in Africa.

Construction on the renewable power project is set to commence in late 2017 and is expected to be completed in 16 months, with first power scheduled for 2018.

Designed to operate for 25 years, the project will reduce the electricity supply deficit in Ghana. It will produce enough electricity for approximately 60,000 local households a year in the country.

The project will use local workforce and boost the local economy by generating more than 500 jobs during the peak construction period as well as 50 jobs during operations.

Ayitepa wind project background

Development of the Ayitepa wind project was first initiated by NEK Umwelttechnik in 1998. The company examined the project location and acknowledged it to be suitable for the [operation](#) of a wind farm. The surveyed data served as a basis for the development of other wind projects in Ghana.

NEK Umwelttechnik formed a joint venture called NEK (Ghana) with Atlantic International in 2003 to carry out certain activities related to the project, including wind measurement campaigns.

A Lidar measuring unit was installed at the site in 2014 to gather more data on the wind conditions at up to 200m above ground level. The data will act as a base for the assessment of the proposed 225MW wind farm.



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