

## Ayitepa Wind Farm (150 + 75MW), Ghana

### Summary

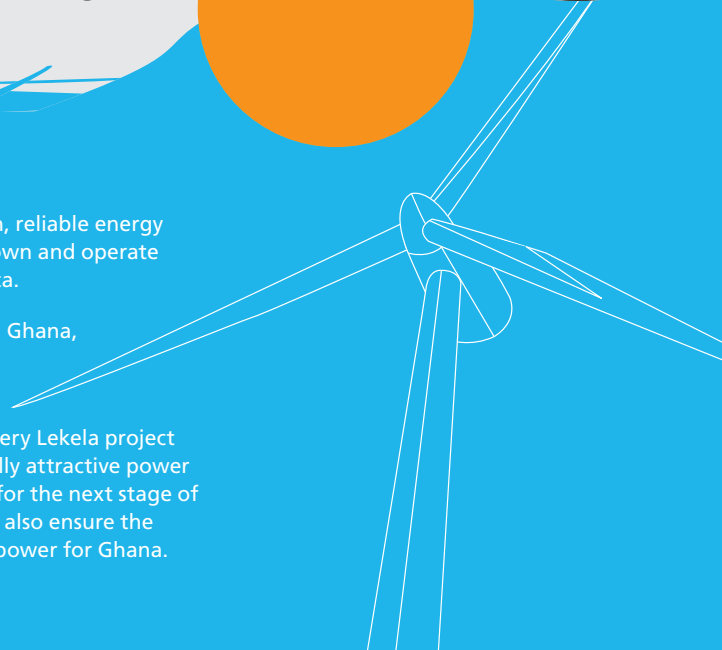
- Lekela's Ayitepa wind farm in Ghana will provide cheap, clean, reliable power from a naturally occurring and free wind resource. Beginning with 150MW and the potential to add a further 75MW, the wind farm will be an energy catalyst for Ghana, significantly driving down consumer power prices over time, and generating considerable savings for the Ghanaian economy.
- The project is working towards financial close and is ready to build and supply electricity to the grid by 2020.
- The wind farm can reliably produce electricity since it is not dependent on availability of fuel which is currently a key constraint in Ghana's provision of electricity.
- Ayitepa will contribute significantly to Ghana's renewable energy target of 10% by 2020.
- It will also help Ghana avoid emitting 200,000 tons of CO<sub>2</sub>/year into the atmosphere which would normally come from oil or gas power stations.
- It will supply approximately 400GWh of clean electricity every year that will help diversify its fuel mix and relieve pressure on existing, older infrastructure.
- Working closely with the local community and traditional community leaders, the project will increase employment opportunities during construction and operation and increase socio economic activity in the Ningo area. Initiatives to support local education, enterprise and the environment are being developed.
- The project enjoys strong support from all stakeholders, including the Ghanaian Government and the World Bank.

### Ayitepa Wind Farm – a project by Lekela

This is one of several projects by Lekela, which is committed to delivering clean, reliable energy across Africa. At a time when power generation is in high demand, we build, own and operate utility-scale renewable projects that supply energy to communities across Africa.

With more than 1,300 megawatts in development and operation across Egypt, Ghana, Senegal and South Africa, Lekela focuses on creating long-term value for the communities and countries it operates in.

The Ayitepa Wind Farm is being developed to the same high standards that every Lekela project benefits from. The project will generate an initial 150MW of clean, economically attractive power within 9 months of construction beginning. A further 75MW is then available for the next stage of the project. Lekela's strong focus on environmental and social governance will also ensure the delivery of economic benefits for local communities, alongside clean, reliable power for Ghana.



## Project development

The project is in advanced stage of development, ready for construction by the end of this year. Project financiers have been selected and a Power Purchase Agreement for 20 years has been signed.

Ayitepa is now moving towards financial close, working in close conjunction with the Ghanaian Government. Once this is achieved, construction will take approximately 18 months, with power starting to be supplied to the grid by 2020.

The project will be built in two phases - Phase One (150MW) at financial close, and Phase Two (75MW) can be built as soon as one year after. To deliver electricity to the customer as early as possible, the wind farm can be brought to the grid in phases ramping up to full generation.

## Security of Supply

Ghana has continued to be hampered by variability of supply on its two major fuel sources for electricity generation, namely natural gas and hydro-electric power. This is the result of dwindling water resources in the Volta as a result of lower than expected rainfalls and over consumption, lower than contracted supplies of natural gas from the West Africa Gas Pipeline and the slow pace of domestic gas exploitation.

Wind energy is not subjected to the same security of supply issues as it's a domestic, free, natural resource. Studies of Ghana's electricity grid have been conducted which demonstrate the positive stabilising impact of the project on the grid.



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## Cost of Fuel

Situated on Ghana's coast, east of Accra, the site enjoys an excellent and free wind resource, which unlike imported fuels will not have a negative impact on Ghana's balance of payments.

A highly competitive tariff has been agreed which will provide cheap, clean and quickly available power to Ghana's grid as an alternative to conventional and emergency power producers. The project will be a catalyst for Ghana, significantly driving down consumer power prices over time, and generating considerable savings for the Ghanaian economy on its energy costs.

## Socio Economic Benefits

Like every Lekela project, providing long-term benefits beyond power to the local community is a key focus. The predominant socio-economic activity in the area is farming and fishing, and this project will co-exist with farmers who will use the land to continue to develop their livelihood, ultimately improving the agricultural growth in the area. The wind farm will use only 3-5% of the total project area, allowing for co-existence with local farming.

During peak construction over 600 employment opportunities will be created, benefiting employees financially and enabling them to acquire skills and knowledge that will increase future employment prospects. During the operation of the wind farm over 25 years, it will employ over 30 people to ensure its successful management.

The project will set aside a portion of its annual revenues to support local investment schemes and will work in close conjunction with the government, local communities and tribal leaders to define the most suitable programs. These initiatives will range from training and education, promotion of local business, health and agriculture.



Lekela is a renewable power generation company. We deliver utility-scale projects that supply much-needed clean energy to communities across Africa.

Through a platform built to develop, own and operate wind and solar assets, Lekela draws from its team members extensive experience, and from its founder shareholders decades of proven energy heritage. Lekela has the skills and drive to progress projects from mid or late-stage development into long-term operation. As a result, Lekela delivers sustainable, reliable and competitively-priced power to governments, utilities and large-scale industrial projects.

Lekela's current portfolio includes more than 1,300 megawatts across projects in Egypt, Ghana, Senegal and South Africa.