



Project Pathfinder

210 MW Wind
Project Overview

Date: April 2024

Introducing **Project Pathfinder**

Introducing Project Pathfinder: Revolutionizing Energy with Apollo Africa's Commercial-Scale Wheeled Wind Power!

We are thrilled to unveil a pioneering endeavor that will reshape the energy landscape, delivering unparalleled benefits to communities and businesses alike with 24/7 green power supply.

Exclusive Supplier: As the sole supplier of energy from this innovative wind project, Apollo Africa stands at the forefront of sustainable energy production.

Join us in shaping a brighter, cleaner future for generations to come.

Project Overview

210 MW Wind

Yield est: 653,647 MWh/yr

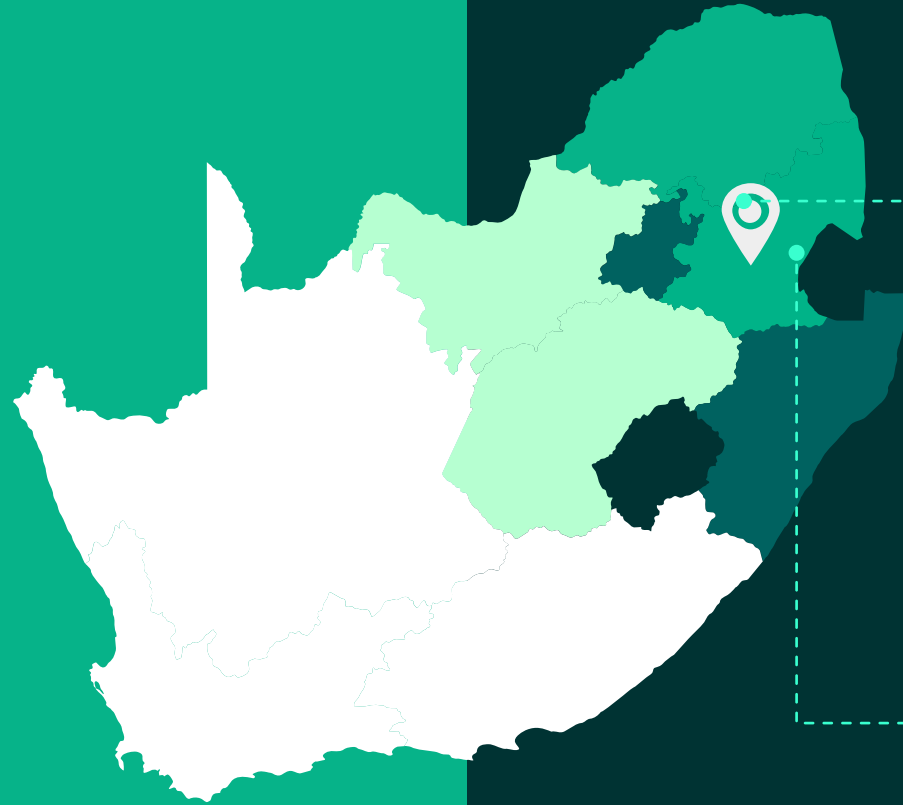
Project Pathfinder is one of the most commercially ready, utility-scale wind projects on the South African market.

The highly reputable project developer has a German head office with a stellar local and international wind track record amounting to 788 constructed facilities and 1,857 MW of wind output under operation.



Project Site

The project site is in Mpumalanga, approximately 20 km away from the Hendrina coal-fired power station. The project will connect to the Hendrina Main Transmission Substation at 132KV.

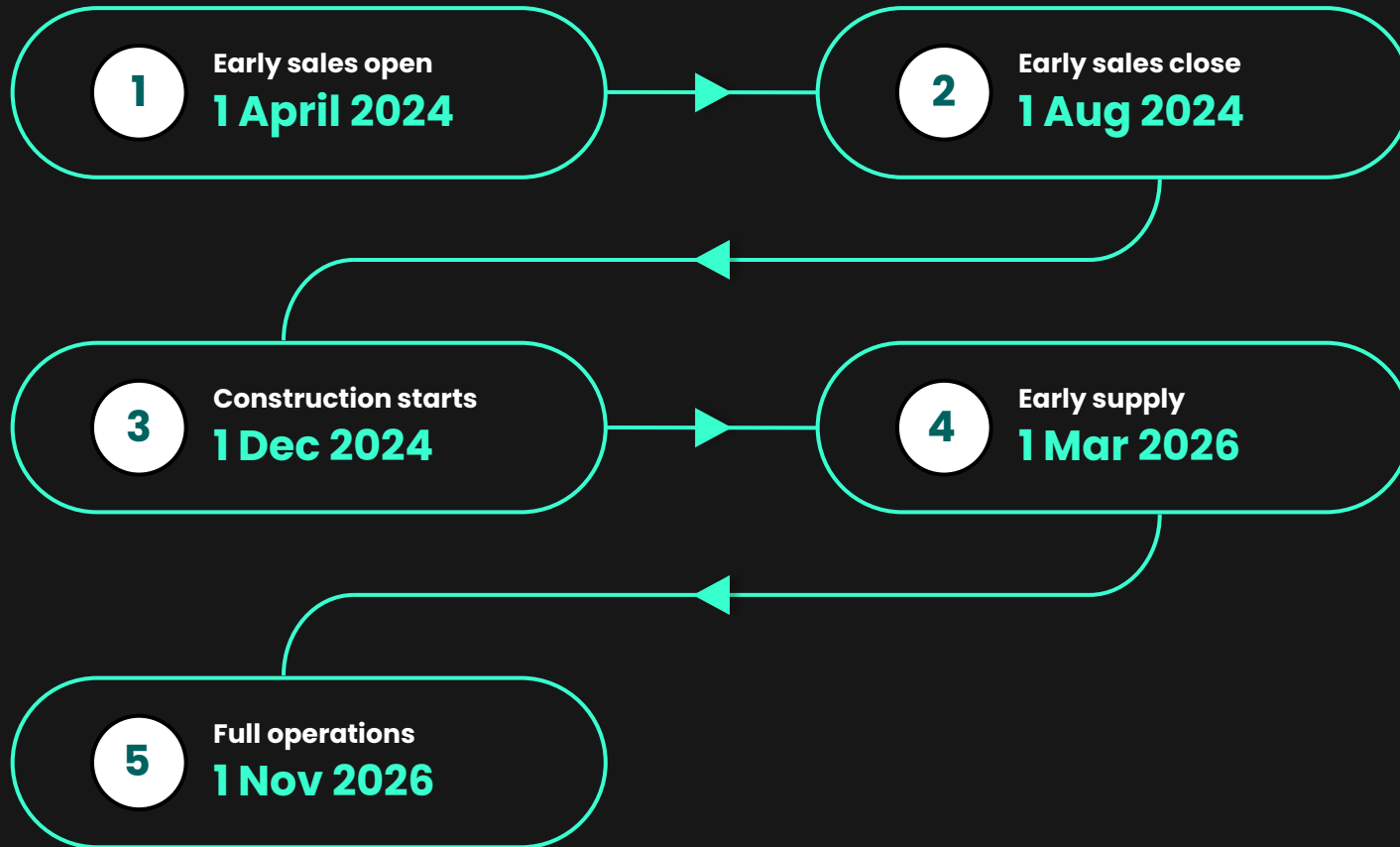


**Project
Pathfinder**
Hendrina,
Mpumalanga

Project Status

Key Studies/Permits	Status
Wind data measurements	Started in April 2020 Completed
Bankable feasibility study	In place
Bankable financial model	In place
Environmental Impact Assessment	In place
NERSA generation registration	In place
Servitude agreements	In place
Land rights	In place
DMRE Section 53	In place

Project Schedule



Environmental and Social Impact Benefits



Water Savings

1.05 billion litres/yr, equivalent to supplying 13,000 households per year



Jobs Creation

2,952 direct and indirect jobs created during construction and operation



Human Life Savings

2,869 attributable deaths avoided from reduced air pollution over project life, with a decrease in lung cancer, ischaemic heart disease, chronic obstructive pulmonary disease, strokes and lower respiratory infections



Carbon Savings

4.7 million tons CO₂e/yr

Picture: Hendrina Power Station – located 20 km from Pathfinder Wind Project
Switching to renewables enables us to move to a cleaner future and away from a coal-dependent past.

Understanding Our Grid

Grid access in South Africa has become increasingly constrained. In the past, almost all our power supply came from coal-fired generators along the northeastern coal belts of South Africa. Our grid network has supported the move of power from the coal region down to the coastal city loads.

Many of the renewable projects built for supply to Eskom over the last decade are in the Cape provinces where renewable resources are high. These areas are now constrained and require new investments to expand their capacity.

The grey areas of the map indicate zero grid capacity. The grid capacity in other parts of the country is rapidly depleting as the market races to secure access.

When the grid capacity runs out, grid expansions need investment. This will increase the effective cost of power added to the grid.

The time to buy power is now while there is still limited grid capacity available!



Understanding Grid Access

The journey to achieve permission from Eskom to connect to the grid works alongside the project “readiness” status.

We are here →

Step 1: Cost Estimate Letter 3 months	A Generator first needs to apply for a Cost Estimate Letter (CEL) to get an “indicative” cost of connecting to the grid. There is no limit to the number of CELs Eskom issues to the market and it is not an indicator that capacity is reserved.
Step 2: Prepare for Budget Quote 3 – 24 months	The next step is entering into the Budget Quote Phase. For this, the generator needs to have its offtake agreement, Environmental Impact Assessments, designs, etcetera in place. The project must be ready!
Step 3: Budget Quote Phase 6 – 12 months	When entering this phase, Eskom will check that all documents are in place and then model the grid connection and impact. Eskom issues an invoice and finally requests a grid bond from the generator to guarantee that the generator will connect within a certain timeframe. A project’s capacity is only “reserved” once the Budget Quote Invoice has been paid.

GRID ACCESS GRANTED

**Contact us to
secure your
supply today!**

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