



MARKETS & PROJECTS > AFRICA > SOUTH AFRICA

# LOERIESFONTEIN 2 WIND FARM

**DEVELOPED BY:**

Mainstream Renewable Power

**CONSTRUCTION MANAGED BY:**

Mainstream Renewable Power

**TECHNOLOGY SUPPLIER:**

Siemens Wind Power

**OPERATED BY:**

Mainstream Asset Management South Africa

**COMMERCIAL OPERATION DATE:**

Q4, 2017

**PROJECT OWNERS:**

Lekela Power consortium

In December 2017, Loeriesfontein 2 Wind Farm (138 MW) achieved its Commercial Operations Date on schedule and budget as part of Bid Window 3 of the South African government's Renewable Energy Independent Power Producer Procurement Programme.

Situated in the Northern Cape, the site was chosen for its excellent wind resource, its proximity to national roads for transport, construction conditions, and support from local stakeholders and municipality. The Wind Farm consists of 61 turbines.

 Onshore wind  Northern Cape  138 MW Gross

 Sold

## **Powering 161,300 South African homes each year**

When operating at full capacity, the Loeriesfontein 2 Wind Farm generates around 535,354 MWh/year of clean renewable energy and supplies electricity to power up to 161,300 South African homes.

Loeriesfontein 2 Wind Farm eliminates approximately 550,000 tonnes of CO<sub>2</sub> each year when compared to traditional fossil fuel power plants. In addition to zero carbon emissions and reduced use of fossil fuels, the country will benefit from minimal water consumption during the generation process and significant social and enterprise development programmes.

The Loeriesfontein 2 Wind Farm was developed and constructed along with its sister wind farm, Khobab (137 MW) and both form part of Mainstream's African joint venture platform, Lekela Power.

As part of the REIPPPP process, the wind farms have established a number of economic development initiatives, aimed at contributing to sustainable community growth including developing enterprises and improving socio-economic welfare in the community for the operational lifetime of the wind farms.

Mainstream Asset Management South Africa manages the Operations of Loeriesfontein 2 Wind Farm.

# UMBERS

**535,354** **550,000** **161,300+**

**MWh**

power generated  
each year

avoided each year

local homes powered  
each year

