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10 biggest wind energy projects in South Africa

TechCentral has a look at the 10 biggest utility-scale wind farms in South Africa and how much electricity they produce.

By Nkosinathi Ndlovu – 10 March 2024



News Alerts



With more than 30 utility-scale wind projects now operational across South Africa, wind is gaining speed as an important component of the country's energy mix.



Indeed, the wind **energy sector** is gaining momentum as more projects go online as part of government's Renewable Energy Independent Power Procurement Programme (REIPPP).

According to the South African Wind Energy Association (Sawea), South Africa leads the charge in Africa, accounting for 30% of the continent's 9GW of installed wind energy capacity.

Sawea anticipates the sector launching 3.2GW in new projects through bid window 7 of the REIPPP, which closes for submissions on 30 April, with ongoing negotiations suggesting an additional 3GW already in the works.

Read: [Work begins on South Africa's biggest wind farm](#)

But of the more than 30 wind farms currently producing energy in South Africa, which are the biggest – and how much power do they produce?

TechCentral has a look at the 10 biggest wind farms across the country.

1. Roggeveld, 147MW



The Roggeveld Wind Farm is a 147MW project owned by Red Rocket. The farm is located along the mountainous boundary between the Western Cape and Northern Cape near the towns of Laingsburg, Matjiesfontein and Sutherland. The Roggeveld wind farm generates around 613GWh/year, satisfying the energy needs of around 49 200 homes.

