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Power plant profile: Droogfontein Solar Park, South Africa

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SolarPV

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Droogfontein Solar Park is a 50MW solar PV power project. It is located in Northern Cape, South Africa. **According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the project is currently active. It has been developed in a single phase. The project construction commenced in 2012 and subsequently entered into commercial operation in April 2014. [Buy the profile here.](#)**

Project details	
Project Type	Solar PV
Total Capacity (MW)	50
Active Capacity (MW)	50
Pipeline Capacity (MW)	-
Project Status	Active
Project Location	Northern Cape, South Africa
Project Developer	Genesis Eco-Energy; Globeleq South Africa Management Services; Mainstream Renewable Power; Siemens

Source: GlobalData Power Intelligence Center

Description

The project was developed by Genesis Eco-Energy, Globeleq South Africa Management Services, Mainstream Renewable Power and Siemens. Enzani Technologies, Globeleq South Africa Management Services, Thebe Investment and Usizo Engineering are currently owning the project.

Droogfontein Solar Park is a ground-mounted solar project which is spread over an area of 90 hectares.

The project generates 85,458MWh electricity and supplies enough clean energy to power 30,000 households, offsetting 79,368t of carbon dioxide emissions (CO₂) a year.

Development status

The project construction commenced in 2012 and

subsequently entered into commercial operation in April 2014.

Power purchase agreement

The power generated from the project is sold to Eskom Holdings SOC under a power purchase agreement for a period of 20 years from 2014. The contracted capacity is 50MW.

See Also:

[Solar makes up 80% of US energy additions in May – report](#)

[A stalling energy transition: why are US utilities lagging?](#)

Contractors involved

Siemens was selected to render engineering procurement construction services for the solar PV power project.

Wuxi Suntech Power was selected as the supplier of the PV modules for the project. The company provided 168,720 modules each with 290W of nameplate capacity.

Siemens supplied its SINVERT PVS 2400 inverters to the project site.

Globeleq South Africa Management Services and Siemens were contracted to render operations & maintenance services for the project.

For more details on Droogfontein Solar Park, [buy the profile here.](#)

About Genesis Eco-Energy

Genesis Eco-Energy (Genesis) is a renewable energy company that offers project development, operation and management services. It offers services that include bulk renewable energy project design, management and implementation, design, enterprise development and engineering services. The company offers services in the areas of energy strategy, policy formulation, energy trading, financial services, land, agriculture and rural development. Genesis works with land owners to identify projects based on information available from the wind resource mapping. It offers wind, solar PV, hydro, CSP, bioenergy and marine technologies. The company partners with local communities, land owners, farming community and investors to source and develop new projects. Genesis is headquartered in Cape Town, South Africa.

About Mainstream Renewable Power

Mainstream Renewable Power Ltd (Mainstream) is the renewable energy developer. The company carries out the development, finance, construction, and operation of large-scale renewable energy plants. It also develops and builds onshore, and offshore wind and solar power plants. Mainstream sold its projects to global utilities such as EDF Group and Orsted, and infrastructure funds, pension funds, and global brands. It has partnership with governments, developers, communities and financiers. The company operates through its offices across Ireland, Australia, Vietnam, the Philippines, Canada, Egypt, England, Scotland, Ghana, Senegal, the US, Chile and South Africa, among others. Mainstream is headquartered in Sandyford, Dublin, Ireland.

About Siemens

Siemens AG (Siemens) is a technology company. Its operations span electrification, automation, and digitalization fields. The company designs, develop, and manufactures products, and installs complex systems and projects. It also provides a wide range of customized solutions for individual requirements. Siemens focuses on power generation and distribution, and intelligent infrastructure for buildings and distributed energy systems. It provides smart mobility solutions for rail and road transport, medical technology, and digital healthcare services. Siemens has research and development facilities, production plants, warehouses, and sales offices across the world. It serves customers in various industries such as energy, healthcare, infrastructure, process and manufacturing, and others. Siemens is headquartered in Munich, Bavaria, Germany.

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