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## Jasper Solar Power Plant, Northern Cape, Kimberley

PLANT TYPE  
Solar photovoltaic

CAPACITY  
96MW

LOCATION  
South Africa

START OF CONSTRUCTION  
2013

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## Jasper Solar Plant

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The 96MW Jasper solar power project located in Northern Cape Province near Kimberly in South Africa is the biggest solar power plant in Africa. It began full commercial operations in October 2014 and is capable of generating 180GWh of clean, renewable energy annually.

The photovoltaic (PV) power plant was developed by a consortium of SolarReserve, the Kensani Group and Intikon Energy. Construction of the plant, which has an operational life of more than 25 years, was started in October 2013.

The plant will produce enough electricity to meet the demands of approximately



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## Bujagali Hydropower Project in Uganda

The consortium of SolarReserve, Kensani and Intikon Energy was

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# after a delay of more than four years.

project developed by the companies after the Lesedi and Letsatsi solar photovoltaic power plants, both of which have an installed capacity of 75MW each.

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## A 20-year power purchase agreement was signed for the project with Eskom, South

site situated adjacent to the 75MW Lesedi solar PV power plant, which came online in May 2014.

The Jasper plant features 325,360 Yingli YL295P-35b multi-crystalline modules, which have a peak power rating of 295W.

The power generated at the plant is delivered to the electricity grid through 78 INGECON® SUN PowerMax central inverters. The 1MW central inverters are



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# Benefits of the South African solar power project

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## “The South African solar PV power plant

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The Jasper solar power plant, apart from providing clean sustainable energy, also helped in job creation and is promoting economic development in the region. It generated approximately one million

Africa.”

indirect and induced jobs.

As an REIPPPP project, it will set aside a percentage of the total project revenues to promote enterprise development and socio-economic development among the local communities.

## Financing for the South African solar PV power plant



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A consortium of Iberdrola and South African company Group Five was awarded the construction contract worth \$150m for the development of the project. The team also constructed the transformer substation, the 132KV overhead power line and

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Yingli Green Energy supplied the PV modules while Ingeteam was contracted to provide the inverters and control system.

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## equity participation in two CSolar

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