



BENEFITING THE ENVIRONMENT & Creating a Cleaner, Brighter Future

PROJECT OVERVIEW

The 50 MW De Aar Solar Power photovoltaic (PV) power project, is one of the first solar facilities arising from the South African Government's Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). It mobilised its construction teams in December 2012 and reached Commercial Operations Date mid-2014 . With demand for electricity continuing to grow in South Africa, the introduction of this clean energy has far reaching benefits for the country's power sector, economy and people.

Located 6km outside the town of De Aar in the Northern Cape, the project expands over 100 hectares of Emthanjeni Municipality owned land.

The solar power project generates approximately 85 458 megawatt hours (MWh) per year, supplying enough clean, renewable electrical energy to power more than 19 000 average South African homes.

De Aar Solar Power generates electricity using 167 580 solar (PV) panels, which feeds the 132 kilo Volt (kV) Eskom distribution system. The project has a 20-year Power Purchase Agreement with Eskom as well as an Implementation Agreement with the Government of South Africa.

COMMUNITY TRUST

Eight percent of De Aar Solar Power is owned by a community trust called the **Sibona Ilanga Trust**. This ownership level is significantly higher than the government's minimum threshold of 2.5% local ownership. The loan will be repaid through the shareholder dividends generated by the project and thereafter the Trust will use its share of the dividends to benefit the local community within 50 km of the project.

ECONOMIC DEVELOPMENT PROGRAMMES

De Aar Solar Power spends a percentage of revenues on socio economic and enterprise development programmes. **Enterprise development includes initiatives to assist and accelerate the sustainability of local enterprises.** Socio-economic development initiatives promotes access to the economy for all people. These programmes will continue for the 20 year lifespan of the project and focus on local communities in the De Aar, Britstown and Hanover areas.

80% of the allocated budget is focused on educational support, in the following areas:

- Early Childhood Development
- Primary school literacy and numeracy
- Professional development scholarships and internships





WHAT THE PROJECT MEANS FOR SOUTH AFRICA

The levels of solar radiation in South Africa, particularly in the Northern Cape, are amongst the best in the world!

Solar energy is one of the most promising renewable energy sources in the world, it is plentiful and renewable, so it won't deplete natural resources or damage the environment. As solar energy does not consume water during the generation process, it also helps preserve scarce water resources.

The project conducted a comprehensive Environmental Impact Assessment, which included public consultation and received full Environmental Authorisation from the Department of Environmental Affairs.

- **Annual CO2 emissions avoided** | 82 000 Tonnes
- **Lifetime CO2 emissions avoided** | 1 640 800 Tonnes
- **Water savings** | 100 000 000 Litres per year



PROJECT INVESTORS

Globeleq is an experienced developer, owner and operator of independent power projects in Africa. Since the company was founded in 2002, it has participated in over 7,800 GW of generation capacity and invested US\$1bn of equity across 37 power projects in 24 countries. Globeleq currently owns, operates and invests in 1,237 MW of electricity generation in Africa, with another 2,000 MW in development. Globeleq is a power industry leader and is committed to providing safe, reliable and cost effective power to the grid, significantly contributing to the social and economic growth in the region.



Old Mutual Life Assurance Company (South Africa) Ltd ("OMLACSA")



Thebe Investment Corporation



Usizo Engineering



Sibona Ilanga Trust



Enzani Molene Holdings



OPERATING PARTNER

Operations Management Company



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