

Mauretania

Mauritania: 50MW solar PV Project

Clean energy generation

Emission Reductions



57,000t
CO₂e p.a.

Project Technology



Renewable Energy
- Solar

Project Standard



Mauritania's economy is sensitive to international commodity prices. Between 2008 and 2014, Mauritania experienced an economic boom. The World Bank attributes this boom to improved productivity, and income in rural areas after reform policies in the agricultural and livestock sector. Nonetheless, the boom was transient, a fall in mineral prices in 2014 sparked a recession. Today, economic recovery remains slow as rapid urbanization and a growing population exert further pressure on resources.

The Government of Mauritania considers energy a priority for poverty reduction. Mauritania is endowed with oil, natural gas, and several renewable energy resources. It has considerable wind potential on the Atlantic coast making commercialization attractive. However, fossil fuels still dominate energy consumption. Liquefied petroleum gas accounts for 95% of the country's commercial energy needs. The government plans to meet its growing energy demand with fewer fuel imports through renewable energy. It set and achieved a target of 20% renewables by 2020. The Toujounine solar PV power plant helped Mauritania achieve its 2020 goal of 20% renewables, supplying 10% of the country's total electricity production in 2019. Consisting of 156,000 solar panels and totalling 50MW installed capacity, the project is the largest solar PV plant in the country. Every year, the plant generates around 87GWh, which is enough to sustainably meet the electricity demands of 362,500 people.



info



about project standards
and technologies:
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Supported Sustainable
Development Goals



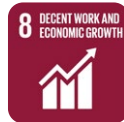


Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.



Solar is a clean source of energy, it neither pollutes the air nor emits CO₂ like coal or natural gas. The project reduces associated emissions produced from the current energy sources.



The project has generated over 100 jobs. Furthermore, the success of this project will encourage further investment into the region to develop renewable technologies.



The project reduces dependence on carbon intensive energy sources in production. Since solar energy is cost effective, this is likely to have a pull-effect, encouraging companies to adopt sustainable practices.



Solar panels emit zero CO₂ emissions during operation. Therefore, the project contributes to the fight against global climate change, keeping the rise of temperatures within 2°C limit.



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