Uzbekistan

Tutly Solar PV Plant in Uzbekistan

Emission Reductions	Project Technology	Project Standard
165,000 t CO_2e p.a.	Renewable Energy - Solar	Gold Standard

The Tutly Solar PV Plant project is a large-scale 100 MW solar power initiative integrated into Uzbekistan's national grid. The primary objective of this project is to produce and provide electricity using renewable solar energy. Equipped with state-of-the-art solar panels, the project constructed a 35/220 kV high-voltage substation and began commercially operating in July 2022. The project stretches across more than 350 hectares in the Uzbekistani State of Samarkand, and is expected to meet the energy demands of around 140,000 people.

Solar is an important renewable energy source, and this project is part of an intentional shift toward renewable energy in Uzbekistan's power generation landscape, which is predominantly characterized by publicly owned thermal and hydro power plants. In 2019, natural gas accounted for 85% of overall generation, followed by hydro (10.2%) and coal (3.7%). Uzbekistan aims to fulfill 25% of its electricity demands through renewable energy sources and set itself a goal of 7 GW of solar and 5 GW of wind capacity by 2030. This solar project not only helps the country to meet these renewable energy goals, but the increased availability of electricity in the regional grid uplifts living standards in the region.

info

about project standards and technologies:
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Supported Sustainable Development Goals

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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.

7 AFFORDABLE AND CLEAN ENERGY

This large-scale project is one the first renewable energy projects in the country. It is expected to inject 100 MW of solar-powered energy into the national grid of Uzbekistan. The clean energy generated by the project represents around seven times more output than the current thermal/ hydro power plant.

8 DECENT WORK AND ECONOMIC GROWTH

Due to its size and scale, the project creates jobs for 300 people during the construction phase. The project also creates 15-20 permanent positions with competitive wages and at least one professional training per year. The project emphasizes the importance of hiring and training local laborers from the community.

13 CLIMATE ACTION

Under the ACM0002 methodology for grid connected electricity generated from renewable sources, this clean energy project will lead to an average mitigation of 165,263 t CO_2 emission reductions annually. No residential areas will be impacted by the project's operations.

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