

Turkmenistan has tremendous potential for harnessing solar energy. With more than 300 sunny days annually and with average annual intensity of solar radiation ranging between 700-800 watts per square meter (W/m<sup>2</sup>), the total technical potential of solar energy amounts to 655 GW (Seitgeldiev 2018; UNDP 2014).

The company, that will build a solar-wind power plant with a capacity of 10 MW on the territory of the "Altyn Asyr" lake in the Serdar etrap of the Balkan velayat has been identified in Turkmenistan.

Based on the methodology developed by the specialists of the Research and Production Center, pilot projects have also been implemented for a combined gas turbine and solar power station with an installed capacity of 50 MW, as well as a solar-hydrogen system to increase the energy efficiency of decentralized consumers.

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The Turkmenenergo Electric Power State Corporation will sign a contract with the Turkish company "Alik Enerji Sanaat ve Tjaret A.?. for the construction of the first solar-wind power plant in Turkmenistan.

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This free Solar Turbines white paper written by renewable fuel and gas turbine expert, Benoit Fecamp, outlines several examples of how gas turbines can effectively be used in hydrogen rich environments helping to increase energy efficiency while reducing environmental impact.

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new epoch of a powerful state, and to establish the use of renewable energy sources in the country, the President of Turkmenistan signed a Decree, having allowed Turkmenenergo State Electric Power Corporation of the Ministry of ...

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