SUNTECH

Case Study
Agadyr Solar Park

PROJECT OVERVIEW

Location: Agadyr, Karaganda Region, Kazakhstan

Completed: July 2019

Owners: Goldbeck Solar GmbH

Project Designer and Developer:
Goldbeck Solar GmbH

System Size: 50 MW

Number of Panels: 151 734

Product: STP 330-24/Vfw

Energy Saved: 450000000KWh annually

BENEFITS

- Suntech's high-power solar modules provide up to 50 megawatts of peak capacity for Agadyr Solar Park, equivalent to the energy consumption by 20000 households.

- It is reported that all the solar modules in the Solar Park have performed excellently in circuit optimization and internal loss reduction.

"As a leading brand in renewable energy, Suntech was chosen by Goldbeck Solar GmbH, both industry leaders in their fields. Guided by the "customer-centric" management philosophy, Suntech has adopted the refined management to better serve its customers. "

Suntech enters Kazakhstan PV market with its first project

The Agadyr project is Suntech's first project in Kazakhstan. Recently, it has been successfully connected to the grid and formally put into operation. As the first major project for Suntech to access to the market of Kazakhstan, this project has adopted 151,734 pieces 330w efficient polycrystalline modules, with its aggregate capacity reaching up to 50MW.

Kazakhstan is a key hub in the layout of China's Belt and Road Initiative, and energy communication has become a field of great prospect targeted by the economic and trade departments and enterprises of both countries.

Agadyr solar power station is sited in Karaganda, Kazakhstan, a location featuring flat terrain, arid climate, and excellent light conditions, with direct solar radiation duration of about 2,600 hours per year. However, the rainfall and humidity in this area are not stable and temperature variation in a year reaches up to about 80°C, which impose great challenges on the operation and maintenance of the power station.

Therefore, the key for the project to succeed lies in the quality and service life of modules; Suntech's modules of 12-year product warranty and 25-year linear warranty perfectly match the requirements of the project.

A new symphony in our commercial, Solar Civilization and an energy transition that shifts its focus to a sustainable living environment is proven by cooperations, such as the one in Agadyr's PV power plant. From its leading position in the global energy industry, Suntech actively promotes the energy transformation and sets examples on how traditional energy companies could promote solar energy to tackle the issue of carbon dioxide in industrial production.

According to Paris Climate Agreement, Kazakhstan promises to reduce its carbon emission in 2030 by 15% compared to that in 1990. Moreover, Kazakhstan plans to make the renewable energy account for half of its total energy consumption by 2050. The completion of Agadyr solar power station symbolizes an important step made by Karaganda and the whole Kazakhstan in pursuing self-sufficiency in energy and development of renewable energy; Suntech will continue to help Kazakhstan and surrounding markets to update and transform their energy industry from traditional energy to green energy.