

# **Tajikistan Solar Irrigation System Project**





## Overview

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Will the swim project improve water and irrigation management in Tajikistan?

This was followed by a two-day workshop in the Khatlon region, which took place on April 18-19. "We are excited to see the Government launch the SWIM Project in Tajikistan, which will improve water and irrigation management in the country," said William Young, World Bank Lead Water Resources Management Specialist.

Does Tajikistan have a solar power plant?

The project also includes a hybrid energy storage power plant rated for 180-kilowatt hours. The new solar plant is a direct result of successful cooperation between the Government of Tajikistan, USAID, and Pamir Energy Company.

Is solar energy a good investment in Tajikistan?

In Tajikistan, there are no favourable conditions for the widespread use of solar energy or for attracting investment in this sector. This is happening amid constant energy shortages and a crisis in the country's electric power system. Solar panels in Dushanbe. Photo: CABAR.asia Tajikistan is one of the most vulnerable to climate change countries.

Will Tajikistan have a solar power plant in 2023?

During a press conference of the Ministry of Energy and Water Resources of Tajikistan on February 1, 2024, it was mentioned that in 2023, a USAID-funded solar power plant with a capacity of 600 kW was put into operation in Murghab district.

Why does Tajikistan need a water sector reform?

It responds to a government request to support implementation of the water sector reforms at the national level in order to improve both water resources policy and planning and irrigation management, particularly in the Vakhsh



basin, which is the heartland of irrigation in Tajikistan.

Should Tajikistan use alternative methods of generating electricity?

The experts believe the country has to use alternative methods of generating electric power more actively so that residents have constant access to it. According to meteorological services, Tajikistan has between 260 and 300 sunny days a year and enormous solar energy potential.



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### Construction Of Solar Drip Irrigation System In Fruit Orchards

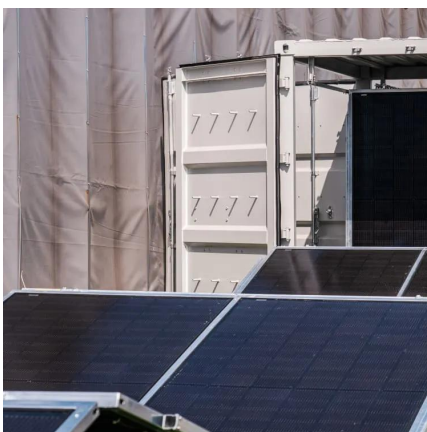
2 days ago· Ministry of Agriculture, Bangladesh Agricultural Development Corporation (BADC), Office of PD Barishal, Bhola, Jhalokathi& Pirojpur District Irrigation Development Project ...

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### Design and Construction of a Solar-powered Automatic Irrigation System

This study focuses on the development of a solar-powered system with an automated irrigation feature for soil monitoring. The project aims to design and develop a solar ...

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### [Tajikistan: Solar Energy in Support of Hydropower Plants](#)

In Tajikistan, there are no favourable conditions for the widespread use of solar energy or for attracting investment in this sector. This is happening amid constant energy ...

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### USAID Supports Installation of Largest Solar Power Plant in Tajikistan

At request of the Tajik Ministry of Energy and Water Resources, USAID supported the installation of the solar plant in Murghob to





complement the nearby 1.5 megawatt ...

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### Procurement of IT equipment for the irrigation management ...

2 days ago · Message title: RFQ  
Organization/Project: STATE INSTITUTION  
"PROJECT MANAGEMENT UNIT FOR FERGANA VALLEY WATER RESOURCES MANAGEMENT" ...

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### [Green Technologies - Texnologiyaxoi Sabz](#)

LLC Tekhnologiyahoi Sabz (Green Technologies) is an organization that works in the field of "green (renewable) energy" in Tajikistan. The organization is registered as a commercial ...

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### Tajikistan Solar Energy Breakthrough: 200 MW Plant Partnership

Tajikistan has signed a landmark agreement with ACWA Power to construct a 200 MW solar power plant in the Khatlon region, signifying a pivotal moment in the country's ...

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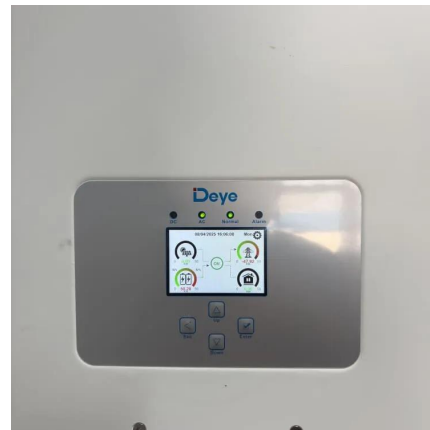




### SOLAR IRRIGATION FOR AGRICULTURAL RESILIENCE IN

Executive summary Solar Irrigation for Agricultural Resilience in South Asia (SoLAR-SA) aims to sustainably manage the water-energy and climate interlinkages in South Asia through the ...

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### DESIGN OF A MODEL FOR LOW COST SOLAR POWERED IRRIGATION

ABSTRACT South Africa has been identified as having a high potential for solar powered irrigation. There has been a lag in the development of solar powered irrigation systems (SPIS) ...

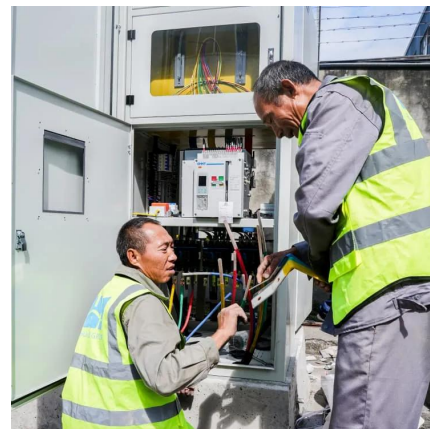
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### **Tajikistan at a crossroads: Invest in irrigation or face rural exodus**

Projects supported by the World Bank, European Union, and Asian Development Bank include the installation of energy-efficient pumps, solar-powered irrigation systems, and ...

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### **Double increase of yields in Tajikistan's agriculture through**

The project, launched in the Republic of Tajikistan in April 2024, has successfully solved the problem of water deficit by introducing new irrigation methods and technologies.

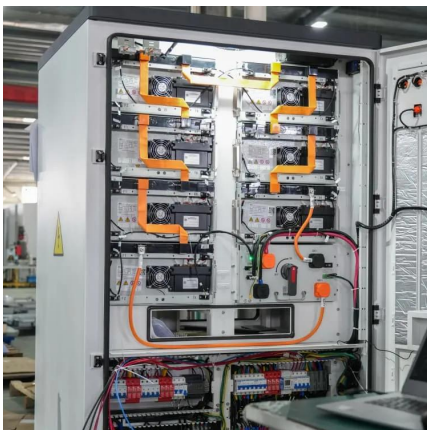
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### Water and Irrigation Management Project Kicks Off in Tajikistan

"We are excited to see the Government launch the SWIM Project in Tajikistan, which will improve water and irrigation management in the country," said William Young, World ...

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### Effective management of combined renewable energy resources in Tajikistan

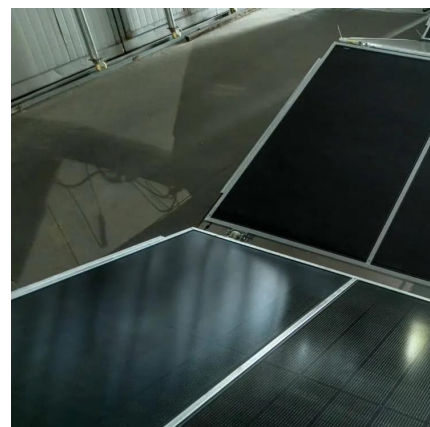
In addition, utilization of water with the supplement of wind and solar energy projects for proper and efficient management of water resources in Central Asia; export-import ...

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### Open tender -- Invitation to Bids; Mission East Tajikistan

Objectives: This tender is part of the 'Sustainable WASH and Disaster Preparedness in Border Districts of Tajikistan' project, focusing on the installation of solar and heating systems in the ...

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### [Tajikistan's Irrigation Plans Require Major Upgrades](#)

The report highlights Tajikistan's capacity to develop into a regional production and maintenance hub for irrigation equipment. Key advantages include affordable electricity, a ...

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### **Effective management of combined renewable energy resources in Tajikistan**

In this paper data on hydro and wind power resources of Tajikistan, Kyrgyzstan and Pakistan are presented. As an example, the project for control of water resources at mutual ...

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### **Effective management of combined renewable energy resources ...**

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### [Expansion of Renewable Energy Solutions in Agriculture](#)

To enable farming businesses to significantly reduce energy costs and minimize irrigation and storage losses, this initiative focuses on deploying solar-powered irrigation ...

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### **Solar powered smart irrigation system based on low cost wireless**

Abstract This paper presents the design and the implementation of a smart irrigation system supplied from solar energy using off-shelf components as part of a senior design project. ...

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