

Water conservancy project solar power generation



Overview

The project combines solar technology with existing canal infrastructure to tackle two critical challenges: energy production and water conservation.

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Water Conservation Strategies in Renewable Energy

Explore water conservation strategies in renewable energy, guided by sustainability consultants and advanced BI techniques using DataCalculus.

[Water Futures: Mobilizing Multi-Stakeholder Action for Resilience](#)

Access to freshwater is changing rapidly, with water stress affecting billions of people and countless businesses each year. Droughts and floods are becoming more frequent and severe,



[Food-water systems innovation in Asia and the Middle East](#)

Emerging economies incur a disproportionate impact on food-water systems yet are proving innovation can turn constraints into catalysts to meet demands.



[Why AI's water problem might actually be an opportunity](#)

Water stress is a global challenge, and the expanding AI economy is amplifying demand. Managing this pressure presents a meaningful opportunity to pursue sustainable solutions.



[Ensuring sustainable water management for all by 2030](#)



How we tackle the energy, food and water nexus

How the Global Future Council on Energy Nexus is shaping integrated solutions to manage the energy, food and water nexus in a resource-constrained world.



[Japan's water infrastructure is being renewed. Here's how](#)

Japan is reimagining water infrastructure with tech, transparency, and collaboration to boost resilience amid ageing systems and climate challenges.



[The water-energy nexus: why managing water](#)

More than 1,000 partners from the private sector, government and civil society are working together through the 2030 Water Resources Group. The group has facilitated close to \$1



[Why water is the catalyst for the next wave of global growth](#)

With coherent policy, innovative finance and collaboration, water infrastructure can become a catalyst for sustainable growth and long-term resilience.



[What will it take to grow investment in water infrastructure?](#)

Water is becoming an increasingly high priority globally - here's how leaders are redefining investment in water systems to drive resilience and growth.

stress is the key to the

Water, energy and the power mix Power-generation technologies have sharply different water profiles. Choices about the generation mix and where infrastructure is built shape how exposed



2026 UN Water Conference: 4 priorities for global leaders

Water is not only a victim of climate impacts but it is also a critical enabler for renewable energy, food security and industry. The 2026 UN Water Conference will be a pivotal implementation

Project Nexus

With Project Nexus, existing water conveyance infrastructures will serve as the foundation for solar canopies to produce renewable energy. The water in the canals has the potential to cool the solar



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