



**SolarTech Power Solutions**

# **Morocco solar drip irrigation system**



## Overview

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Thanks to the support of atmosfair, since June 2020 farmers in various rural areas of Morocco are able to run their irrigation pumps, previously powered by fossil fuels, with solar energy. Who benefited from innovative monitoring technologies used in irrigation in Morocco?

The key Moroccan counterparts, the Regional Office for Irrigation of El Haouz (operating under the Ministry of Agriculture) and the River Basin Agency of Tensift (under the Ministry of Equipment and Water), greatly benefited from adoption of the innovative monitoring technologies used in the study.

How can Morocco promote a more sustainable irrigation model?

To promote a more sustainable irrigation model, the government of Morocco has developed a national plan to optimize water use and increase productivity in irrigated agriculture ( Plan National d'Economie d'Eau d'Irrigation, PNEEI), which has been supported by the World Bank since 2010.

How can Morocco combat water scarcity in agriculture?

To combat water scarcity in agriculture, Morocco has instituted the National Program of Water Savings in Irrigation. This program aims to enhance the efficient use of water in irrigation, primarily by modernizing irrigation on approximately 550,000 hectares, 220,000 of which are covered by large-scale irrigation plans.

What is the large scale irrigation modernization project?

The World Bank-funded Large Scale Irrigation Modernization Project is fostering the adoption of drip irrigation promoting better water consumption and energy while increasing agricultural productivity.

What is a large-scale irrigation plan?

This irrigation plan fell within the scope of areas designated for improvement under the \$150 million World Bank financed Large-Scale Irrigation

Modernization Project, an integral component of the broader National Program of Water Savings in Irrigation.

How does GWSP support climate resilience irrigation in the Maghreb?

With GWSP's support, the climate resilience irrigation team held a high-level policy dialogue on water use in Moroccan agriculture and developed a technical note to support policy engagement related to resilient and inclusive agrifood systems in the Maghreb.

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