

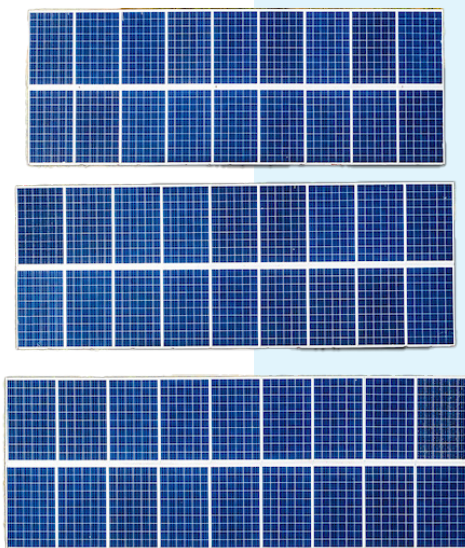


Solar Powered Water Systems

Global Water Center (GWC) is equipping leaders to solve the global water crisis through Solar Powered Water Systems (SPWS) trainings. With a global shortage of 750,000+ skilled water technicians, these trainings are critical to sustaining and expanding safe water access.



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SPWS offer a long-term, cost-effective way to deliver safe water. They are also:

- **Scalable**, serving more people as communities grow.
- **Reliable**, operating in remote areas without electricity.
- **Low-maintenance**, with fewer repair needs than traditional systems.
- **Eco-friendly**, reducing emissions by using solar energy.
- **Resilient**, ensuring a steady water supply in challenging conditions.



GWC provides the following SPWS resources:

Online SPWS Courses

Our two online SPWS courses are *SPWS 101: An Overview of Principles and Practice* and *SPWS 201: Designing Solar Powered Water Systems*. **Over 4,000 rural water**

professionals from around the world, including UNICEF staff in 67 countries, have attended these courses.

Hybrid SPWS Training

GWC and its partners provided hybrid SPWS training in **Karnataka, India**, equipping government engineers to bring safe water to rural communities. As part of this initiative, **18 local trainers** were trained to co-deliver online courses to over **500 engineers**, impacting the **60+ million people** who live in the state.

Building on that success, GWC is rolling out similar programs across **East Africa** and the **South Pacific**. This hybrid training is also offered to organizations that want to equip their teams with practical skills in the field.

In-Person SPWS Training

GWC supported **UNICEF's East Asia and Pacific** Regional Office Solar Hub by delivering specialized SPWS training in **Fiji, Papua New Guinea, Vietnam, and Laos**. These four-to-five-day trainings often included a site visit to local SPWS, providing participants with hands-on learning of course concepts.

SPWS Installation and Design Guide

The free guide provides detailed guidance on all technical topics pertinent to the design and installation of SPWS within a rural water supply context. This guide has been **downloaded by people in over 131 countries**.

SPWS Operations and Maintenance Guide

This free user-friendly manual provides practical guidance to help operators manage SPWS in rural settings. It includes customizable checklists and diagrams that adapt to any context.

Resources developed in collaboration with CAWST, Water Mission, UNICEF, and others

Our goal is to offer all resources in English, French, and Spanish