

# QI4GT Fund Project Overview

## Photovoltaic Standards in Armenia

September 2023 – June 2024

### What is the QI4GT Fund?

The Quality Infrastructure for Green Transformation (QI4GT) Fund is set up in the framework of the PTB project “Quality Standards for Increased Trade in the Eastern Partnership Countries” and funded by the German Federal Ministry for Economic Cooperation and Development (Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung/BMZ). It aims to support promising QI initiatives that contribute to Green Transformation in the EaP countries. The Fund offers a flexible mechanism to finance short-term demand-driven projects implemented by a QI institution in collaboration with other partners from the private or non-governmental sectors. The first round of calls for proposals was closed in May 2023.

### Objective of the project in Armenia

The QI4GT project aims to introduce and apply technical standards and international best practices in quality infrastructure (QI) services for the design, development, commissioning and monitoring of photovoltaic (PV) installations.

### Partners

**Lead Partner:** National Body for Standards and Metrology (Armstandard)

**Additional Partner:** Energy Saving Foundation

### Main activities

The first set of project activities aims to set up an **operational Technical Committee (TC) subcommittee for PV**. To this end, stakeholder mapping is performed to identify appropriate members and Terms of Reference for the work of the subcommittee are drafted. Focus group meetings and technical discussions with relevant PV stakeholders are held to agree on a prioritisation for the adoption of standards and technical regulations. The TC subcommittee meets multiple times with the support of topic experts and a standardization consultant to guide its work.

## Main activities (continued)

A second set of activities is planned to **inform the scope of work of the TC and its priorities**. This includes a mapping of relevant international standards and technical specifications combined with a mapping of local standards to result in a gap analysis identifying areas where QI services are needed. A field visit to PV installations supplements the gap analysis with a practical assessment of the challenges on the ground.

PTB will organise a series of virtual exchange events on QI for PV (**QI4PV Global Exchange**) with stakeholders from India, Indonesia, Morocco, Senegal, Tunisia, Vietnam and Latin America, so that Armenian PV and QI stakeholders can benefit from the results and approaches developed in other PTB projects. Armenian project partners can discuss quality assurance topics with their peers and international experts, create networks and exploit opportunities for synergies and efficiency.

## Expected outputs

- A Technical Committee (TC) subcommittee for PV is operational
- Prioritisation for the adoption of standards and technical specifications on the basis of gap analysis and a field visit is completed
- Capacities and awareness for QI for PV are increased

## Links to Green Transformation

The PV sector has a clear link to the renewable energy transition in Armenia and contributes directly to climate change mitigation. This sector is of growing significance for the country as Armenia has recently prioritized solar power over other types of renewables and the construction of PV panels is a critical part of this effort.

## Contacts

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## Website

<https://www.eastern-partnership.ptb.de/about-the-project/activities/ptb-fund-quality-infrastructure-for-green-transformation-qi4gt/>