



SOLAR WATER HEATERS FOR SOCIAL INSTITUTIONS IN ARTSAKH

PROJECT SUMMARY



Installation of solar water heaters in 35 kindergartens, 35 medical institutions and a boarding school for the care and protection of children, as well as heat pump system in the Republican Medical Center of Stepanakert.

The project will help reduce the costs of these institutions for electricity, increase their autonomy and, in general, reduce the dependence of the Republic of Artsakh. Ensuring energy independence is especially important in the conditions of the energy blockade.

MAIN INFORMATION

Implementing partners

Shtigen LLC shtigen.com
Government of Artsakh

Geography

Artsakh, Stepanakert, Askeran, Martuni and Martakert regions

Implementation period

6 months

SUSTAINABILITY

- The devices practically do not require maintenance and after assembly, they simply work for the period stipulated by the manufacturer
- After the warranty period expires, in case of a breakdown, the owner of the equipment repairs it independently and at his own expense
- 160 installations and 1 heat pump system will save around 1 mln kWh per year
- The project will contribute to the popularization and spread of “clean” and decentralized solar energy in Artsakh

BUDGET AND EXPENDITURES

AVERAGE COST PER UNIT: **\$905**

COSTS

One unit includes:

- Delivery to a warehouse in Artsakh and equipment branding
- Storage
- Delivery to installation sites
- Assembly and consumables for assembly
- Commissioning
- Other expenses to the provider related to recruiting, training, and setting up assembly teams
- Fulfilment of warranty obligations

The cost of the heat pump system installed in the Republican Medical Center of Stepanakert is \$14,360.

IN TOTAL: \$159,160

BENEFICIARIES

- **Direct beneficiaries:** more than 2,500 residents of Artsakh
- **Indirect beneficiaries:** all residents of Artsakh, since the country receives greater energy independence by reducing gas and electricity consumption, as well as reducing the load on energy transmission networks