



INVEST IN CLEAN ENERGY SOURCES AND ENJOY A GUARANTEED RETURN ON INVESTMENT



If you have a business with high energy consumption and you would like to minimise your utility bills, apply for GEFF financing and invest in renewable energy technologies.

Supported by:



NOW IS THE BEST TIME TO INVEST IN SOLAR ENERGY

- Solar technologies and installation costs are more affordable than ever before.
- According to new regulations, solar stations up to 500 kW can be connected to electricity distribution networks.
- Energy generation and energy consumption do not have to take place at the same location.
- Commercial rates for electricity have increased by up to GEL 0.329, almost doubling monthly costs.

Solar energy is the cleanest form of energy generation. The sun radiates more energy than we will ever need, which is why we should take advantage of this renewable source of energy for our own well-being. With an average of 2,200 hours of sunshine annually, Georgia has great potential for solar energy projects and for adopting the use of solar power.

ADVANTAGES OF INVESTING IN SOLAR ENERGY

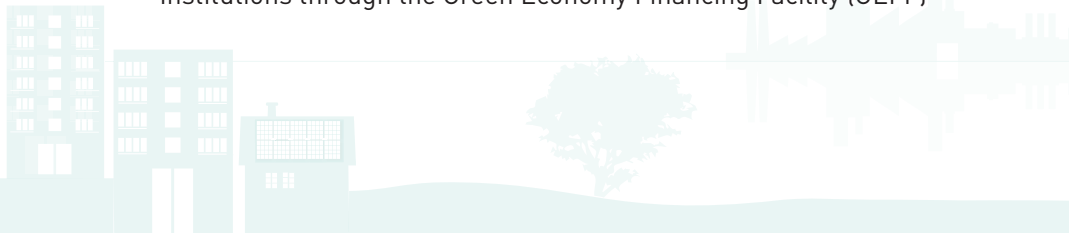
- Elimination or drastic reduction of energy costs
- Guaranteed return on investment
- Increased energy independence
- Environmental protection

TYPES OF SOLAR TECHNOLOGIES AVAILABLE UNDER GEFF FINANCING

- Solar water heaters that use solar energy to produce hot water
- Solar PV systems that transform solar energy into usable energy for your business

WHAT YOU NEED TO START USING SOLAR ENERGY

1. **Space** – either on the roof (recommended) or the ground (amount of space required depends on the desired energy capacity)
2. **Solar PV panels** and an **inverter** or a **solar water heating system**
3. **A reliable supplier** – a number of experienced and qualified suppliers are available on the Georgian market to offer you the required technologies and services
4. **Financial resources** available from our Partner Financial Institutions through the Green Economy Financing Facility (GEFF)



CALCULATING THE CAPACITY OF A STATION

Let us assume that your business consumes GEL 17,000 worth of energy per month. Using the current electricity rate (GEL 0.32 on average), we can calculate consumption of 53,125 kW/h of energy per month (GEL 17,000/0.32).

A solar station with a capacity of 1 kW annually generates around 1,350 kW/h of energy; therefore, a station to meet the energy needs your business would need to have a capacity of 40 kW (53,125 kW/h/1,350 kW/h).

In order to calculate the space needed to accommodate a 40 kW station, we need to know the capacity and size of PV panels you are interested in acquiring. There are several sizes and capacities available from various producers.

As an example, let us take a 1.65 m x 1.00 m size panel with a varying capacity of 300-380 W. With these panels, we can calculate that for a 40 kW station you will need to have 105 panels installed on your site (40,000 W/380 W). The size of the panels tells us that each unit occupies 1.65 m²; therefore, the space needed for 105 panels amounts to 173 m² (105 * 1.65 m²).

TWO GEFF APPROACHES TO FINANCING YOUR INVESTMENTS

Pre-approved investments: If you already know what technology you would like to invest in, browse our [Green Technology Selector](#). This online database contains green and high-performing technologies under US\$ 300,000 (or the equivalent in other currencies) that have already been approved for GEFF financing.

Assessed investments: If the investment that you are looking to make is complex and requires a customised solution, as a potential sub-borrower of one of our Partner Financial Institutions, you can apply for our **FREE** technical assistance. GEFF consultants will provide expert advice to ensure that you find the most appropriate green technologies and services that are eligible for GEFF financing.



HOW TO MAKE GEFF WORK FOR YOU?

- I. Choose high-performing technologies that best suit the needs of your business by either using the [Green Technology Selector](#) or by approaching vendors directly.
- II. Summarise the technical and financial requirements of your proposed investment.
- III. Approach the Partner Financial Institution (PFI) to apply for financing: ebrdgeff.com/georgia/financing.
- IV. If necessary, apply for a free consultation and project assessment from an experienced team of GEFF experts.
- V. Secure financing through a loan or leasing agreement.
- VI. Have the technology installed.
- VII. Benefit from long-term energy savings, and in some cases financial gain.



We look forward to hearing from you and answering your questions.

GEFF in Georgia

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26 March 2021