



The RECP methodology

Resource Efficient and Cleaner Production (RECP) is the integrated and continuous application of preventive environmental strategies to **processes, products, and services** to increase efficiency and reduce risks to humans and the environment. RECP is all about producing with fewer resources while minimizing environmental impacts and increasing overall productivity. For **Small and Medium-sized Enterprises (SMEs)**, the RECP methodology is an effective means to lower production costs whilst improving the SMEs' competitive advantage and applying environmentally friendly practices. RECP is also an effective tool to introduce and promote Circular Economy principles among SMEs.

"GEO PROVISION" LLC - PRODUCTION OF PET FOOD



Company overview

Location: Mtskheta, Mtskheta-Mtianeti region

Key products: pet food

No. of employees: 30

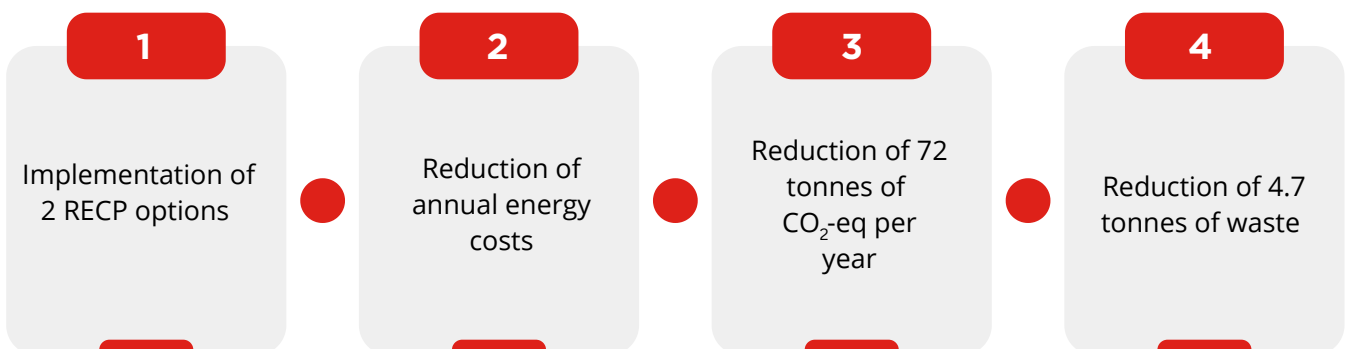
Main markets: foreign markets

Founding year: 2018

Certifications: ISO 22000

"Geo Provision" is a manufacturer of animal food. Its staff was actively involved in the activities related to the RECP Clubs, including the training course on business environmental profile, energy efficiency, water efficiency and wastewater minimization, materials efficiency and waste minimization, the responsible use of chemicals, hazardous waste, and means to reduce emissions. The course resulted in the development of the RECP Action Plan which included two RECP options. Due to the pandemic, it was challenging for the enterprise to allocate internal financial resources and find investments or appropriate loans to implement the RECP measures. Motivated to improve resource efficiency and reduce energy consumption, the company participated in the RECP Clubs programme under EU4Environment (2019-2024). This publication shows the company's experience reported after the monitoring exercise.

BENEFITS FROM IMPLEMENTING RECP OPTIONS



The project's approach

The RECP assessment examined the production site and identified several RECP options, out of which the following two were prioritized. The suggested RECP recommendations included medium-cost measures:

RECP Option 1. The installation of a photovoltaic (PV) system: the installation of a PV system with a capacity of 300 kW would help fulfil the electricity needs of the company, and, at the same time, it would significantly reduce the level of CO₂-eq emissions.

RECP Option 2. Providing a more accurate meat-cutting machine and technique to reduce meat waste: the second measure refers to the purchase of a more accurate and efficient meat-cutting machine. This way, the company would make a better use of its raw materials and reduce the generation of waste.

SAVING ACHIEVEMENTS

RECP measures

OPTION 1

Installation of a photovoltaic system

OPTION 2

Purchasing an efficient meat-cutting machine

Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	270,000	42,075	6.4
Option 2:	50,000	7,612.1	6.6

Resource savings

RECP OPTIONS	MATERIALS (TONNES/YR)	ELECTRICITY (KWH/YR)
Option 1:	/	510,000
Option 2:	4.7	7,177

Total pollution reduction

RECP OPTIONS	TOTAL CO ₂ -EQ (TONNES/YR)	WASTE (TONNES/YR)
Option 1:	71.4	/
Option 2:	1	4.7

The introduction of RECP has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, **Geo Provision** joined the RECP training and assistance programme to be monitored under EU4Environment. Follow-up visits have also been conducted to check on the implementation of the recommended RECP options. EU4Environment helps the EU's Eastern Partnership countries preserve their natural capital and increase people's environmental well-being by supporting environmental-related action, demonstrating and unlocking opportunities for greener growth, and setting mechanisms to better manage environmental risks and impacts. For more details, visit: www.eu4environment.org

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