



Funded by the European Union



Advancing resource efficient and cleaner production in Moldova

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 can effectively 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.

"AZAMET PRO" LTD - FOOD PROCESSING



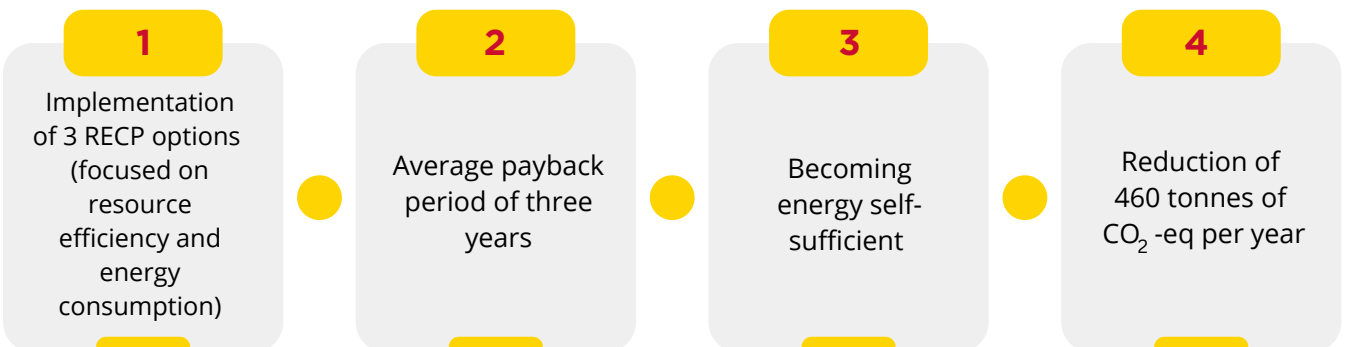
Company overview

- Location:** Ceadîr-Lunga
- Key products:** vegetable oil, gluten-free flour from seeds and nuts
- No. of employees:** 206
- Main markets:** Moldova, Europe, China
- Exportation quota (%):** 90
- Founding year:** 2017
- Certifications:** ISO 22 000



"Azamet Grup" is a holding company that includes three companies: "Azamet Grup", "Azamet Plus" and "Azamet Pro". "Azamet Plus" manages a nation-wide restaurant chain, while "Azamet Pro" is specialised in producing and exporting foods based on vegetable oils (i.e., oils based on grapes and nuts), under the brand "Biateca". The main raw materials (grape seeds) come from local vineyards of Găgăuzia. The primary markets include Moldova, Germany, and France. Motivated to optimise its energy consumption and resource efficiency, the company participated in the RECP Demonstration Project under EU4Environment (2019-2024). This publication shows the company's experience reported after the monitoring exercise conducted in 2022-2023.

BENEFITS FROM IMPLEMENTING RECP OPTIONS



Action implemented by:



The project's approach

The RECP assessment examined the production site and identified several RECP options, out of which the following three were prioritised by the company. The suggested RECP recommendations require a payback period of three years or less:

RECP Option 1. Replacing the gas burner with a biomass boiler: This measure consists of replacing the current gas burner (used for the drying process) with a biomass boiler. This would significantly reduce the generation of waste and natural gas consumption, since waste would be used as fuel for the boiler.

RECP Option 2. Installing photovoltaic (PV) solar panels: This measure consists of installing PV panels to cover the energy needs of the company, helping it become less energy-dependent and significantly reducing electricity costs.

RECP Option 3. Installing a wastewater treatment plant: This measure consists of implementing a wastewater treatment system to remove the contaminants from the sewage and produce an effluent that could be reused and is suitable to discharge to the surrounding environment.

SAVING ACHIEVEMENTS

Main RECP actions

OPTION 1	Replacement of the gas burner with a biomass boiler
OPTION 2	Installation of solar PV panels
OPTION 3	Installation of the wastewater treatment plant

Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	130,000	40,000	0.3
Option 2:	900,000	270,000	3
Option 3:	76,000	/	/

Resource savings

Total pollution reduction

RECP OPTIONS	ELECTRICITY (KWH/YR)/%	NATURAL GAS (KWH/YR)/%
Option 1:	/	1,500,000
Option 2:	356,000	/
Option 3:	/	/

RECP OPTIONS	TOTAL CO ₂ -EQ (TONNES/YR)
Total:	460

“ Our company joined the project to tackle the excessive energy costs. Thanks to the RECP Demonstration Project, we learned how much potential our company has in reducing operation costs, while improving our environmental footprint. As we plan to further invest in our company's development, especially through the ODA grants recommended by the RECP experts, the RECP Project has inspired us to come up with new ideas and approaches regarding implementation of RECP measures in the future, said the owner, Ms. Valentina Uzun. ”

The introduction of RECP has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, **Azamet Pro** joined the RECP Demonstration Project 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 environment-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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