

the European Union

EU4Environment Green Economy in Eastern Partner Countries



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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.

"BIYAZ SALKIM" LTD - FRUIT INDUSTRY

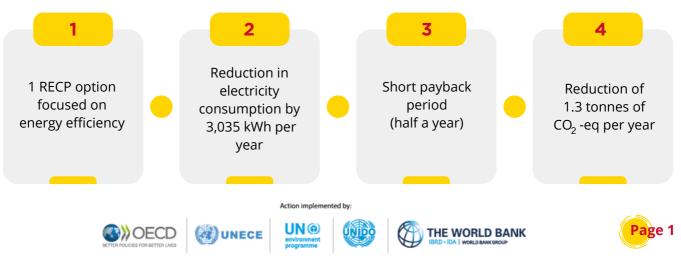


Company overview

Location: Comrat, UTA Găgăuzia Key activity: fruit distribution No. of employees: 30 Main markets: Moldova Founding year: 2017

"BIYAZ SALKIM" operates using a large industrial refrigerator dedicated to storing, sorting, wrapping, and shipping various fruits (mainly grapes, plums, and cherries) to consumers. The storage refrigerator has a modern design, in accordance with the current standards used for similar systems. The electricity-powered refrigerating compressor is used to cool down the storage chambers. Fruits are meticulously stored in designated containers that ensure proper storage conditions and prevent any mechanical damage. Motivated to improve its energy efficiency, the company participated in the RECP Clubs programme under EU4Environment (2019-2024). This publication shows the company's experience reported after the monitoring exercise conducted in 2021-2024.

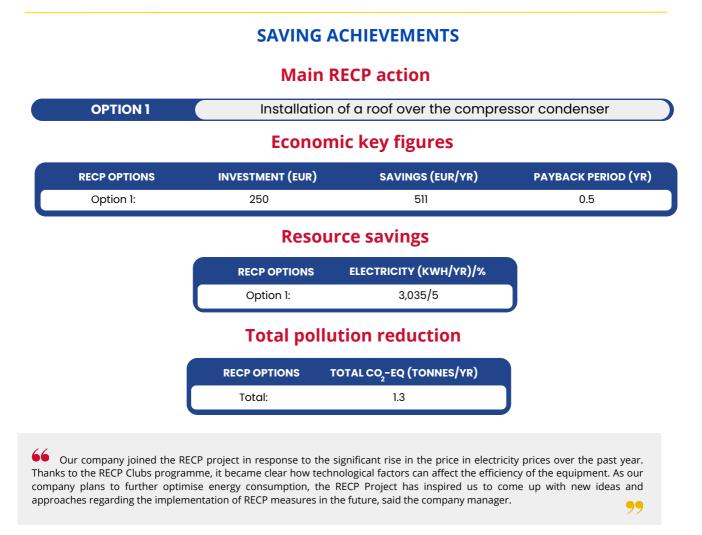
BENEFITS FROM IMPLEMENTING RECP OPTIONS



The project's approach

The RECP assessment examined the production site and identified several RECP options, out of which the following was prioritised by the company. The suggested RECP recommendation requires a payback period of six months:

RECP Option 1. Installation of a roof over the compressor condenser: This measure consists of installing a non-transparent roof over the compressor condenser to shield its surface from direct sunlight. In the summer months, the average air temperature ranges between 29-35°C, with the surface of the compressor shell reaching 45-55°C. This results in unnecessary pressure on the compressor and increased electricity consumption. Once implemented, the RECP measure would help the company reduce the surface temperature of the condenser and, consequently, electricity consumption by 5-10%.



The introduction of RECP has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, **BIYAZ SALKIM** joined the RECP Clubs 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 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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