



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.

"KRISS GRUP" LTD - TEXTILE PRODUCTION



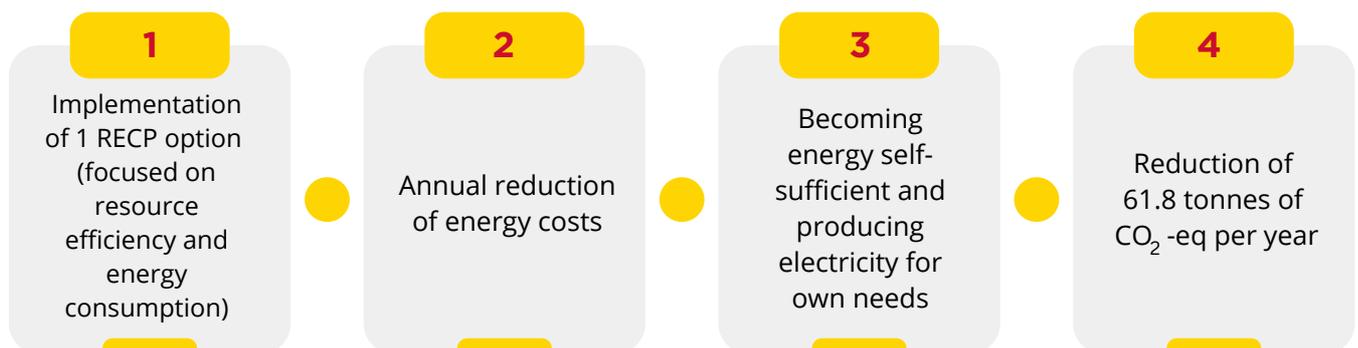
Company overview

Location: Ceadâr-Lunga
Key products: textile fabrics, tulle, curtains
No. of employees: 93
Main markets: Moldova
Founding year: 2017



"Kriiss Grup" or "Akadio textil" is a manufacturer of textile fabrics that specialises in the production of tulle and curtains. The company imports its raw materials from Turkey and sells its products in its showroom accessible directly at the production plant, as well as in two stores. Motivated to reduce electricity costs and become energy-self sufficient, 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 was prioritised by the company. The suggested RECP recommendation requires a medium payback period of ten years:

RECP Option 1. Installation of photovoltaic (PV) solar panels: This measure consists of installing PV plant with a nominal power of 200 kW to cover the energy needs of the company, helping it become less energy-dependent on the grid and significantly reducing electricity costs.

SAVING ACHIEVEMENTS

Main RECP actions

OPTION 1

Installation of PV solar panels

Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	206,697	19,245	10

Resource savings

RECP OPTIONS	ELECTRICITY (KWH/YR)/%
Option 1:	186,211/75

Total pollution reduction

RECP OPTIONS	TOTAL CO ₂ -EQ (TONNES/YR)
Total:	61.8

Company insights

The use of renewable energy sources is a growing trend both nationally as well as internationally. The development of this sector is booming in the context of emerging innovations in the energy sector, as well as in view of the environmental benefits and the need to ensure a sustainable future. The proposed RECP measure consists of the installation of photovoltaic solar panel for the company to help it cover the consumption of electricity purchased from the grid by 75%, and to achieve potential annual savings of more than 19,000 EUR. The measure would also help increase energy independence and security, offering significant reductions in the cost of purchasing electricity from the grid.

The introduction of RECP has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, **Kriss Grup** 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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