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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.

“ANRAI GRUP” LTD - CLOTHING MANUFACTURER



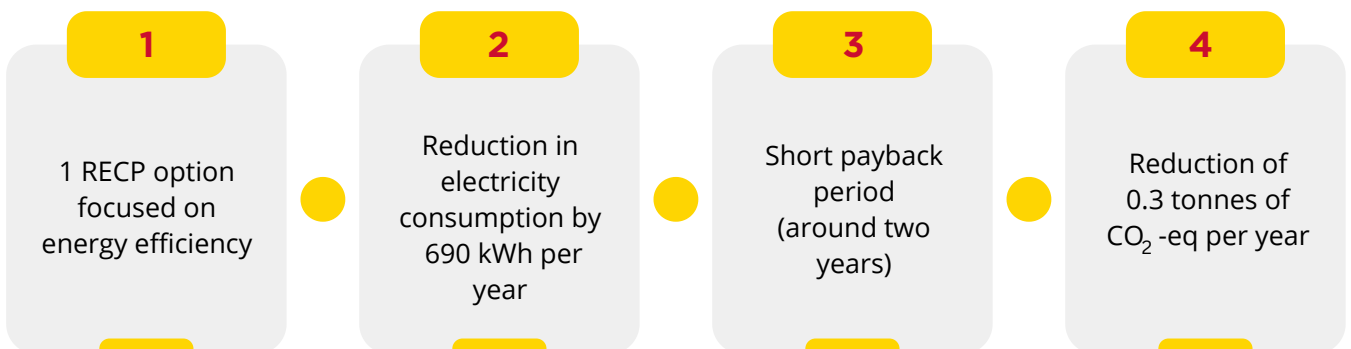
Company overview

Location: Chişinău
Key service: textiles, clothes
No. of employees: 12
Main markets: Moldova
Founding year: 2020



“Anrai Grup” specialises in tailoring clothes from diverse fabric types. The company operates based on customer orders and does not possess its own trademark. The main production process revolves around sewing uniforms for various businesses (cafes, restaurants, shops, and banks, to name a few). The employees take an active roles in designing the clothing pieces and presenting them to the customers for final approval. The end result is a product that meets the customers’ requirements, needs, and preferences. To apply logos on the garments, the company employs various methods such as embroidery, embossing, or printing. Motivated to optimise 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



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 payback period of around two years:

RECP Option 1. Installation of textile vertical blinds: To mitigate heat infiltration in the sewing room, the measure proposes the installation of textile vertical blinds in a white or light colour. This would prevent the room from heating up by 50-60%. In addition, the electricity consumed by the air conditioning system would also decrease. Nevertheless, the measure would also help minimise the risk of visual impairment among the company's employees, contributing to an overall enhancement of working conditions.

SAVING ACHIEVEMENTS

Main RECP action

OPTION 1

Installation of textile vertical blinds

Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	200	87	2.3

Resource savings

RECP OPTIONS	ELECTRICITY (KWH/YR)/%
Option 1:	690/50

Total pollution reduction

RECP OPTIONS	TOTAL CO ₂ -EQ (TONNES/YR)
Total:	0.3

“ The surge in energy prices prompted us to explore means to reduce energy consumption, leading us to join the EU4Environment programme. Thanks to the RECP Clubs experience, we learned to recognise the importance of thoroughly understanding potential inefficiencies before transitioning to a new, larger premise. The experience also made it possible to forecast possible cost increases and provided measures to reduce energy consumption. As our company plans to install a supply and exhaust ventilation system within the premise, the RECP project has inspired us to come up with new ideas and approaches to implement the RECP measures in the near future, said the director, Mr. Alexandru Răilean. ”

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