

## Advancing resource efficient and cleaner production in Ukraine

### 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.

### "TRIADA-M" LLC - PRINTING INDUSTRY

#### Company overview



**Location:** Khmelnytskyi

**No. of employers:** 36

**Key products:** printing products

**Main markets:** Ukraine

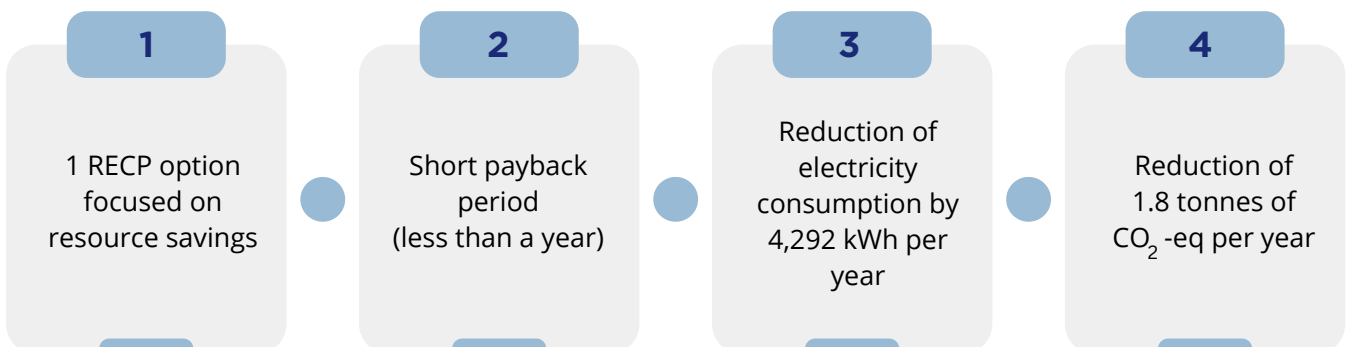
**Founding year:** 1998

**Certifications:** ISO 12647-2: 2004, DSTU ISO 12647-1: 2008, DSTU ISO 12647-2: 2008

**Тріада-М**  
МРІЇ ДРУКУЮТЬСЯ...

"Triada-M" LLC is a regional leader in providing printing services to the city of Khmelnytskyi and the region. The company offers a variety of products and services, including design and layout development, manufacturing of products based on request, the printing on textiles and fabrics, production of promotional materials and souvenirs, as well as outdoor advertising. Motivated to reduce production costs (especially during summertime when the air conditioning system is excessively used), and to provide comfortable working conditions for its employees, 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 2023.

### BENEFITS FROM IMPLEMENTING RECP OPTIONS



Action implemented by:

# The project's approach

With the support of the RECP self-assessment tool and the contribution of the RECP experts, the company developed its RECP Action plan which identified several RECP options, out of which the following was prioritised, as it included a low-cost measure:

**RECP Option 1. Installing foil cloth screens on the dryer:** This measure proposed to install foil cloth screens under the lower part of the dryer's conveyor belt and from the belt's surface to the edges of the dryer's exhaust hood. It would significantly reduce heat loss from the conveyor belt into the atmosphere (around 80%), as the belt gets heated during the production process. Hence, it would lower the average temperature of the room (which is not equipped with a ventilation system) and reduce temperature loss within the conveyor belt (the colder this gets, the more electricity is needed to heat it back to the required temperature).

## SAVING ACHIEVEMENTS

### Main RECP actions

#### OPTION 1

Installation of the foil cloth screens on the dryer

### Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	33	222	0.15

### Resource savings

RECP OPTIONS	ELECTRICITY (KWH/YR)
Option 1:	4,292

### Total pollution reduction

RECP OPTIONS	TOTAL CO <sub>2</sub> -EQ (TONNES/YR)
Total:	1.8

“ The value of our company's participation in the EU4Environment Action lies in gaining new knowledge on the implementation of modern technologies in this industry. We aim to improve our production processes and reduce resource consumption. Additionally, we seek new sources of funding for proposals aimed at reducing energy consumption. Our company's participation in the RECP Clubs programme allowed us to get to know colleagues from the region, discuss common problems, and find ways to solve them, said the director, Ms. Alla Gonta. ”

The introduction of RECP Clubs programme has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, **"Triada-M", LLC** joined the 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](http://www.eu4environment.org)

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