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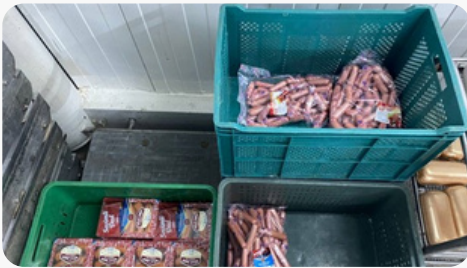


Advancing resource efficient and cleaner production in Azerbaijan

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 is an effective means to 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.

"M&T" LLC - MEAT PRODUCTION



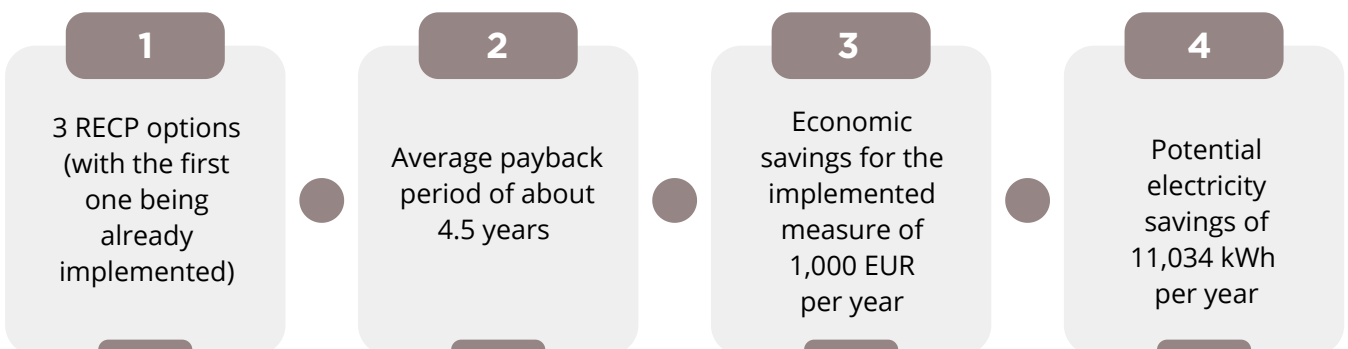
Company overview

Location: Baku
No. of employees: 285
Main markets: Azerbaijan
Founding year: 1993
Key products: sausages and deli meat products
Certifications: ISO 9001:2015; ISO 22000:2018



"M&T" LLC, home to the renowned brands "Sevimli Dad" and "Khadzhi Turgay," holds a distinctive position within the local food sector. Currently, the company produces approximately 100 varieties of sausages (including boiled, smoked, semi-smoked, and raw-smoked options), based on meticulously crafted recipes. Additionally, the company also produces a diverse range of deli meat products, sausages, and anchovies. To ensure comprehensive management quality and food safety, and to facilitate its entry into international markets, the company has devised and successfully implemented an integrated management system compliant with international standards (such as ISO 9001 and ISO 22000 for food safety). Motivated to address production costs and waste, the company participated in the RECP Clubs project under EU4Environment (2019-2024). This publication details the company's experience reported after the assessment exercise conducted in 2024.

BENEFITS



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 proposed, with the first one being prioritized and already implemented by the company:

RECP Option 1: Installing a grease trap: This measure entailed the installation of a grease trap to improve the wastewater treatment. Grease, which poses a threat to the sewage system by depositing a greasy film inside pipelines, was identified as a significant risk leading to potential blockages and costly repairs. By installing a grease trap, the company mitigated financial losses associated with pipeline blockages and production halts. Moreover, this measure aligned with heightened environmental scrutiny and regulatory oversight, focused on reducing the impact of fatty contaminants in effluents.

RECP Option 2: Installing a solenoid valve: By installing this valve in the refrigerator unit, which regulates refrigerant flows within the unit, chambers can be cooled independently. This prevents unnecessary compressor energy usage when a chamber does not require temperature reduction at a given time. Implementing this system would result in energy savings of approximately 5%.

RECP Option 3: Installing a defrost timer: This timer would operate in cycles, alternating cooling periods with defrost periods (defrosting is essential to remove frost from the evaporator surface, which forms when moisture in the air contacts the highly cooled evaporator, leading to increased energy consumption).

SAVING ACHIEVEMENTS RECP measures

OPTION 1	Installing a grease trap
OPTION 2	Installing a solenoid valve
OPTION 3	Installing a defrost timer

Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	10,000	1,000	10
Option 2:	276	180	1.5
Option 3:	750	360	2

Resource savings

RECP OPTIONS	ELECTRICITY (KWH/YR)
Option 2:	3,678
Option 3:	7,356

The introduction of RECP has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, "M&T" LLC joined the RECP Clubs training and assistance 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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