

**Name of the project:** PROJECT OF ESTABLISHMENT OF MOBILE RECYCLING YARDS (MRY)

**Name of the company:** KOVA, Ltd, Braće Radića 122, Mraclin, 10410 Velika Gorica, Croatia

**Essence of the project:**

Contribution to the implementation of the Waste Management System (WMS) through an increase in the share of selective waste collection, especially in rural areas with a smaller population in the wider area.

**The problem statement:**

Based on the acquis of EU and the Croatian legislative framework, it is necessary to build a WMS in a short time that will increase the share of selectively collected waste that will be recycled or permanently disposed of.

**Steps of the project:** 1) Requirements and needs analysis; 2) Planning and securing resources; 3) Project organization; 4) Development of technical specification; 5) Production; 6) Commissioning

The company is guided by TQM principles, which implies an orientation towards continuous quality improvement that will meet customer expectations. Kaizen activities are a regular practice in our business processes. This does not mean a radical change in the process. In the production process, both Pareto analysis and ABC analysis were applied in order to solve the causes of individual deficiencies.

**The analysis performed:**

At the beginning of the project, an analysis of the needs for the construction of WMS in smaller places was performed. The legislative framework was analyzed to determine the legal requirements. The technical specification of the MRY was prepared and the design was started. A needs analysis was conducted with local authorities and the locations of future MRYS were identified

**Resources human and financial:**

The project used its own HR (engineers, process managers, project managers, quality and environmental systems managers, economists, metal workers specializing in metal processing, etc.). The project was funded by the EU so that the local community, the beneficiary of the MRY, could obtain and pay for the MRY to the producer with EU funds, so the producer did not have to use its own or other funds or credit. The production of MRY was realized in the company's own production facilities

**Results achieved:**

Croatia is a small country with only 4.5 million inhabitants and a small area. A total of 17 MRY units is not much. Environmental protection and sustainable development are global phenomena and require global solutions. Croatia cannot do much here. But it is the task of each country to do its best in its territory and thus contribute to global activities and the achievement of the UN's global goals. In this context, if the measurable impact of this project is viewed in this way, then it is great. Its significance lies in the fact that it represents a positive experience for all other countries, because it can be applied in all countries. This would multiply his contribution to global UN goals.

**The project contribution to sustainable development in the sense of economic - Environmental and/or social sustainability:**

The project is a contribution to the implementation of a waste management system in Croatia. It enables the collected waste to be recycled and partly returned to production as raw material. Disposal of waste in nature and environmental pollution are prevented. The project affects employment at the local level and contributes to the sustainable development of the economy and is a factor of social stability at the local level.

**UN Sustainability Development Goal(s) affected:**

UN GOAL 6: Clean Water and Sanitation

At the locations where the MRYS are located, the number of illegal waste landfills has been reduced, which is a significant contribution to the protection of groundwater, as well as the preservation of the health of the population.

UN GOAL 9: Industry, Innovation and Infrastructure

MRY is an industrial product and involves a well-modeled manufacturing process as well as complex supply chains. Production within this project adds value to a product that is exchanged on the market and that meets the requirements and needs of users. MRY is an innovation in building the infrastructure necessary for the development of WMS and enables all residents of a community to contribute to the development of WMS and thus environmental protection, sustainable development and quality of life.

UN GOAL 13: Climate Action (Klimatske akcije)

Through its contribution to the development of WMS, this project contributes to environmental protection and thus reducing climate change, and through the protection of groundwater, legal disposal of hazardous and other waste, prevention of food and human food pollution.

