European Bank for Reconstruction and Development

Co-funded by the European Union

SME COMPETITIVENESS PROGRAMME

SUCCESS STORY
DECEMBER 2023

BALANCING OUT CARBON EMISSIONS

Loan Amount	**€ 124,885**
Grant amount	**€ 18,733**
EU Directives met	EU Directives on renewabe energy sources
Invested in	Solar Power Installation
Energy Savings and GHG reduction	677 MWh/year 214 t CO_2/year

Implementation Consultants

RINA

The company **Milk House doo** was founded in 2007 and is a dairy producer of milk, yoghurts, cream and cheese products. The company is located in the Nis area and purchases all its raw materials from milk farmers in Stara and Suva Planina and Mali Jastrebac. The locations of the milk farmers are mountainous regions, with clean nature and pastures that guarantee high quality milk. At the same time they are located close enough to the Nis region to fulfil Milk House's strategy for environmental responsibility through acceptable transport distances.

Production takes place under strictly controlled conditions in a closed production cycle. The company is certified for HACCP, ISO 9001 certified and ISO 22000.

The company struggled with frequent power outages and very unstable voltage. This was a problem with the highly sensitive production process that requires energy stability, uninterrupted cooling chains etc. Therefore, the company decided to invest in a 412.2 kWp Solar Power Plant, designed to generate around 384.0 MWh of electricity annually. The electricity produced by the solar power plant replaces the energy purchased from the grid, reducing energy costs and corresponding CO2 emissions and improving security of energy supply.

The system was installed on the factory roof.

With this investments the company also makes contributions to offsetting its own carbon emissions generated by the transportation of raw materials as well as finished goods.

After the successful project verification, the company received a 15% grant cash-back, funded by the European Union. With the investment, the company now meets a wide variety of standards, including:

- Directive 2018/2001 EU on the promotion of the use of energy from renewable sources (recast)
- Directive 2014/35/EU relating to the making available on the market of electrical equipment designed for use within certain voltage limits