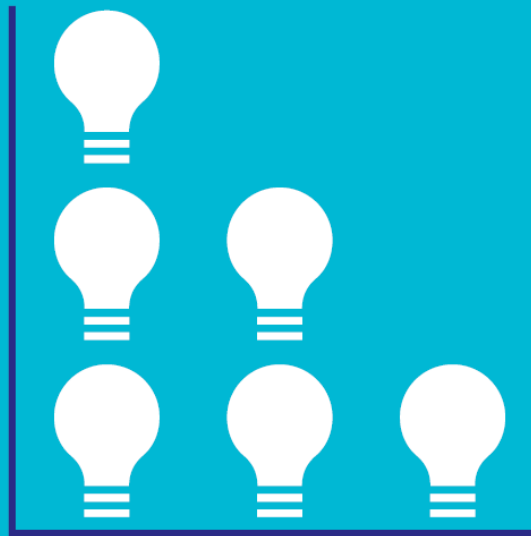


Cut energy costs? *Know how.*

With funding from Austria, we helped Safir SRL, a chicken meat processing company from Vaslui in north-eastern Romania, identify ways to reduce their energy consumption and save an average of €98,000 annually.



Chicken processing company, Romania

We helped Safir SRL, a Romanian chicken meat processing company, find ways to reduce energy consumption and cut costs. Founded in 1991, this family-owned business had around 250 employees when we started working with them, half of whom are women.

The company, with a turnover of about €27 million last year, has a production capacity of 4,000 heads per hour, a storage capacity for frozen products of almost 1000 tones, a protein recovery factory located in a nearby village, a feed mill, chicken farms, its own brand product "Deliciosul de Vaslui" and retail stores in Vaslui. The meat processing operations consume a considerable amount of energy to ensure that the right temperature is maintained throughout. In fact, total energy costs are estimated at 6% of all operating expenses.

We connected the business with a local energy efficiency consultant to conduct an energy audit and find ways of reducing the company's energy consumption. The consultant, Quartz Matrix SRL, analysed the company's



Understanding the energy efficiency of each of Safir's components enabled the consultant to recommend energy saving solutions.

current energy situation, including measuring points of high energy waste and measuring the functional parameters of the electric and heat consumers, from the power transformer units and distribution boxes to the heat sources (hot water boiler) and heat transportation network.

With the data obtained from these measurements and calculations and based on the losses identified in each consumption area, the consultant has proposed four main measures to increase Safir's energy efficiency:

- Local compensation of the power factor at the pre-refrigeration panel (the power factor measures the efficiency of the power distribution in the system)
- Heat recovery at refrigeration installation (recovering heat and re-using it for something else)
- Improving the combustion efficiency of the boilers
- Heat recovery from exhausted gases at boilers.

Within the first year after the energy audit, the company implemented the first three measures, investing approximately €200,000.

Safir then invested a further €55,000 to develop a permanent monitoring system of their energy consumption and installing a system for monitoring and controlling all their cooling systems.

All these measures resulted in economies of 774.2 MWh in energy, representing 7% energy savings and the equivalent of €98,000 a year.

www.ebrd.com/knowhow

Turnover
+8%

Energy savings
€98,000/year

Reduction in energy use
7%

Total project value
€10,118

Client contribution
€3,998