



Case Study

Bulmetal JSC

Project Details

sector

Manufacturing

type of project

Energy Efficiency

Project Results

- » Improved the comfort of the buildings
- » Reduced space heating and cooling costs
- » Increased reliability of the plant vehicles
- » Reduced O&M costs

Overview

Bulmetal JSC produces a wide range of light metal containers primarily for the food and chemical industries. Bulmetal was founded in 1995 and is located in Gurkovo, Bulgaria. The firm invested in a complex set of energy efficiency measures using BEERECL funds.

Energy Efficiency Measures Installed

- ✓ Thermal insulation of exterior building walls
- ✓ Thermal insulation of roof
- ✓ Energy efficient windows and doors
- ✓ Water-to-water heat pump for space heating and cooling
- ✓ Four new forklifts using liquefied propane gas
- ✓ Four new plant vehicles (trucks) that meet EUR 5 emission standards

**Energy Efficiency
Reduces Energy Costs
by 44 %**

Bulmetal JSC

Investment Details

Total Project Cost	EUR 367,500
KIDSF Grant	EUR 55,000
Loan	EUR 367,500
Simple Payback Period	4.4 years
Internal Rate of Return	over 28%

Estimated Annual Savings

Energy Cost Saving	EUR 63,000
Reduced Energy Costs by %	44%
Operation and Maintenance cost savings	EUR 21,000
Total Cash Savings	EUR 84,000

Annual Carbon Emission Reduction
170 tons