

Case Study

IHB Electric JSC



Project Details

sector

Manufacturing

type of project

Energy Efficiency

Project Results

- » Reduced production costs, including labour, energy, water and materials
- » Increased output
- » Enhanced competitiveness
- » Improved work environment

Overview

IHB Electric JSC (formerly Elprom ZEM Co.) is the single Bulgarian manufacturer of large electrical machines for hydropower plants, pumping stations and irrigation systems. The BEERECL loan was used to upgrade the production equipment.

Energy Efficiency Measures Installed

- ✓ An induction copper welding machine, replacing five existing machines

**Energy Efficiency
Reduces Energy Costs
by 73 %**

IHB Electric JSC

Investment Details

Total Project Cost	EUR 59,900
KIDSF Grant	EUR 7,200
Loan	EUR 48,000
Simple Payback Period	1.5 years
Internal Rate of Return	over 84%

Estimated Annual Savings

Energy Cost Saving	EUR 5,600
Reduced Energy Costs by %	73%
Operation and Maintenance cost savings	EUR 33,600
Total Cash Savings	EUR 39,000

Annual Carbon Emission Reduction

81 tons