



## Case Study

# Hranitelni Stoki - Pleven JSC

### Project Details

#### sector

Hotel

#### type of project

Renewable Energy -  
Geothermal

### Project Results

- » Reduced energy costs
- » Reduced operation, maintenance and staff costs
- » CO<sub>2</sub> emissions reduction

### Overview

Hranitelni Stoki JSC has diverse business activities ranging from food trading and packaging to renting buildings and consultancy. The company built Hotel Shipkovo in the Stara Planina mountains and used BEERECL financing for a geothermal heat pump system installation. The installed geothermal heat pump has a capacity of 215 kW.

### Renewable Energy System Installed

- ✓ Installation of an open ground loop geothermal heat pump system for heating, ventilation and air conditioning (HVAC)
- ✓ Water heating system for the swimming pool

**Heat production of  
387 MWh  
per year**

### Hranitelni Stoki - Pleven JSC

#### Investment Details

Total Project Cost	EUR 64,913
KIDSF Grant	EUR 12,800
Loan	EUR 64,000
Simple Payback Period	2.8 years
Internal Rate of Return	over 39 %

#### Estimated Annual Figures

Annual Heat Production	387 MWh
Total Cash Savings	EUR 23,150

**Annual Carbon Emission Reduction  
26 tons**