

## Challenge

Upgrading the existing pump station and the electrical system were priorities as part of the complete reconstruction of the boiler room which supplies the heat to the districts Slavonia 1 and Slavonia 2 within the City of Slavonski Brod in eastern Croatia.

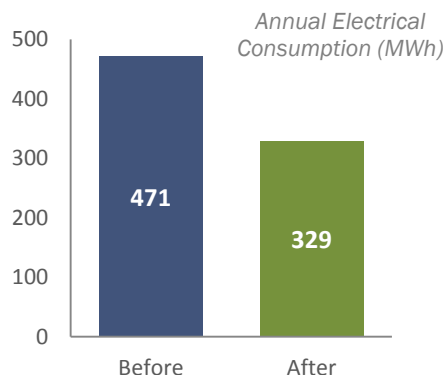
## Solution

The investment included measures designed to improve energy efficiency of the existing system:

- replacement of an old circulation pump in the secondary circuit with four new pumps
- necessary modification of the piping system
- a new automatic water pressure control system
- a boiler monitoring and control system
- reactive power compensation equipment

## Energy Savings – 30%

Investing in a combination of energy efficiency measures resulted in total energy savings of 30% for the pump station, which positively affected the efficiency of the district heating system in whole.



Implemented through the EU/EBRD WeBSEFF program

## Company

Country	Croatia
Sector / Asset type	Public sector (district heating)
Project type	EE
Main business activity	Heat production and distribution

## Project Facts and Benefits

Investment value	EUR 100,000
Loan amount	EUR 100,000
Energy savings	142 MWh/yr
Decrease of CO <sub>2</sub> emissions	48 tonnes/yr
Equivalent cars removed	10
Equivalent trees planted	1,240
Annual monetary savings	EUR 16,894/yr
Payback period	5.9 years
ROI	17%