# Printer chooses a geothermal system to generate savings for its facility

Sustainable energy solutions for a resilient world

## Challenge

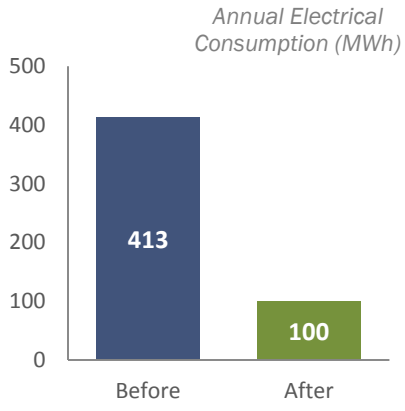
This Serbian printing company from Novi Sad constructed a new production and administration premises. The company was looking for an alternative to a traditional heating/cooling system, in order to save energy and money and to remain environmentally conscious.

## Solution

The company opted for a renewable energy solution, a geothermal heat pump system instead of a traditional system for heating and cooling. The company invested in procurement of the following equipment and auxiliary components: heat pump, compressor, heat exchangers, electro-supply cabinets, electrical installations, etc.

## Energy Savings – 313 MWh (v. baseline)
## Energy Production – 446 MWh

Investing in the geothermal heat pump, which has a heating capacity of 302 kW and a cooling capacity of 252 kW, and the accompanying system for space heating and cooling created energy savings of 313 MWh (with respect to an assumed baseline) and a renewable energy production of 446 MWh per annum.




*Implemented through the EU/EBRD WeBSEFF program*

## Company

| | |
|---|---|
| Country | Serbia |
| Sector / Asset type | Commercial (services) |
| Project type | RE |
| Main business activity | Printing services |

## Project Facts and Benefits

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|---|---|
| Investment value | EUR 341,000 |
| Loan amount | EUR 249,766 |
| Energy production | 446 MWh/yr |
| Energy savings | 313 MWh/yr |
| Decrease of $CO_2$ emissions | 260 tonnes/yr |
| Equivalent cars removed | 56 |
| Equivalent trees planted | 6,740 |
| Annual monetary savings | EUR 43,744/yr |
| Payback period | 7.8 years |
| ROI | 13% |