

## Challenge

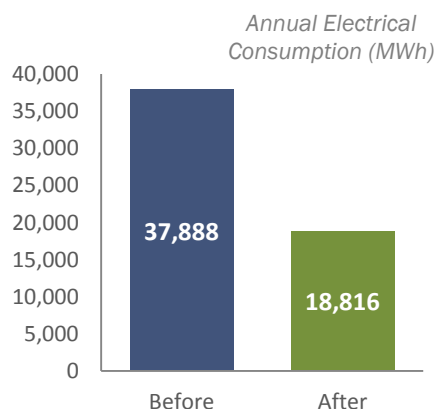
Serbia's leading manufacturer of rolled aluminum materials, used all over the world to make final aluminum products, wanted to make its production facility more efficient and to reduce its consumption of natural gas.

## Solution

The investment included replacement of old energy-intensive blast furnaces with two new efficient furnaces for melting the aluminum blocks and scrap. The new furnaces are also equipped with regenerative burners that recapture and utilize waste heat from flue gases.

## Energy Savings – 50%

The new energy-efficient melting furnaces resulted in energy savings of 50%, while at the same time improving working conditions and lowering operational and maintenance costs.



Implemented through the EU/EBRD WeBSEFF program

## Company

Country	Republic of Serbia
Sector / Asset type	Industrial
Project type	EE
Main business activity	Production of aluminum materials

## Project Facts and Benefits

Investment value	EUR 2,608,752
Loan amount	EUR 2,275,200
Energy savings	19,072 MWh/yr
Decrease of CO <sub>2</sub> emissions	3,396 tonnes/yr
Equivalent cars removed	730
Equivalent trees planted	88,010
Annual monetary savings	EUR 724,828/yr
Payback period	3.6 years
ROI	28%