

Challenge

This furniture producer located in central Serbia was a significant consumer of electrical energy, with 24/7 factory operations. Lighting comprised 23% of total electricity consumption, which made it the second biggest electricity consumer after the production line itself.

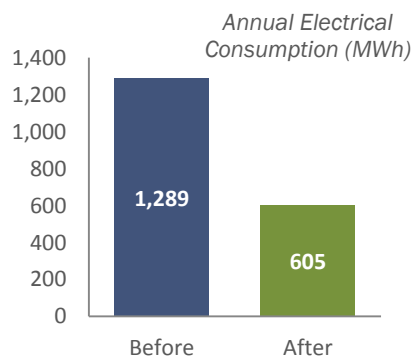
Solution

Calculations showed that it was possible to reduce the electricity consumption for lighting by 53%, which would subsequently reduce the entire factory consumption by more than 10%. The new lighting system included:

- intelligent industrial LED lighting
- lamp fittings
- daylight and occupancy sensors

Energy Savings – 53%

New LED lighting allowed for significant energy savings of 53%, while at the same time improving visibility around the production line, reducing worker fatigue and lowering maintenance costs.



Implemented through the EU/EBRD WeBSEFF program

Company

Country	Republic of Serbia
Sector / Asset type	Industrial
Project type	EE
Main business activity	Wooden furniture manufacturing

Project Facts and Benefits

Investment value	EUR 169.965
Loan amount	EUR 169.965
Energy savings	684 MWh/yr
Decrease of CO ₂ emissions	500 tonnes/yr
Equivalent cars removed	110
Equivalent trees planted	12,960
Annual monetary savings	EUR 36,400/yr
Payback period	4.7 years
ROI	21%