

# Energy Efficiency: New production system

## METAK pipe producing factory saves energy with new system

METAK is a large trade and manufacturing company with two facilities, warehouses and manufacturing buildings in Azerbaijan. The company sells more than 2000 titled products. As a core competence, METAK is the domestic market leader for metal pipes.

Currently, its production facility operates with electricity. To reduce its high energy consumption of 4,783 MWh per year, the company decided to replace the outdated production lines with brand new equipment. Additionally, it is foreseen that the old illumination technology will be changed to energy efficient LEDs.

The replacement of the production equipment will allow to increase the productivity significantly. As a result, the forecasted energy consumption will drop by about 50%.



**New, state-of-the art technology will help market leader METAK to improve its efficiency in the metal fittings and PVC components production and save energy as well as costs.**

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### Main Investment

Installation of a new production line for metal fittings and PVC components

### Size of Investment

967,000 USD

### Date of Implementation

2015-2016

### Operational Results

- significant energy and cost savings to the company
- lower noise level and air pollution

### Investment Profitability

- Payback period of 4 years
- IRR ~29 %



**Annual savings of 5,147  
MWh/y (-50%)**