

Energy Efficiency: Armenia

New production line (p. 1)

Plastic production facility saves energy with new equipment

The Armenian company Hytex Plastic CJSC and its Georgian subsidiary Alfa Pet LLC are the largest producers of plastic containers and preforms for plastic bottles in both countries.

The company decided to replace its more than 20-year old production line in Armenia, used uniquely for the export of preforms to Georgia. Instead, it installed a new production line directly in Georgia. The “Husky HyPET 120” took up operation in November 2013.

Total energy savings from the replacement of equipment amount to 1,510 MWh per year: 1,160 MWh/y from electricity and 350 MWh/y from diesel for the avoided transportation of the plastic preforms from Armenia to Georgia.



Benefits: By installing a new and efficient plastic preform production line directly within its Georgian subsidiary, Hytex Plastic saves 62% energy yearly – including the avoided cross-border transportation.



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OF THE REPUBLIC OF AUSTRIA

Energy Efficiency: Armenia

New production line (p. 2)

Plastic production facility saves energy with new equipment

Main Investment

Installation of new domestic production line

Size of Investment

930,000 USD

Date of Implementation

11/2013

Operational Results

- More efficient production line
- 125,000 USD or 62% savings from reduced electricity and diesel consumption

Investment Profitability

- Payback period of 7.5 years
- IRR 13.6%



1,510 MWh or 62% of energy saved p.a.



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