

Paper and cardboard producer replaces a steam boiler and upgrades a production line...

... financed using the EU/EBRD Energy Efficiency Finance Facility

ENERGY-EFFICIENT SOLUTIONS FOR AN ENERGY-INTENSIVE COMPANY

AMBRO Suceava is one of Romania's leading manufacturers of paper, corrugated board and packaging. As paper-making is a particularly energy-intensive industry, the company is always on the lookout for energy-saving technical solutions.

Tractebel Engineering (GDF SUEZ) demonstrated that changing a steam boiler and replacing a corrugated cardboard machine could bring significant energy and cost savings.

TECHNICAL SOLUTION

- An old steam boiler was replaced with a new LOOS Universal ZFR model to produce technological steam at 188°C and 12 bar, bringing 32 275 MWh/year energy savings.
- An old corrugating machine, which used energy at the rate of 1.05kWh/kg of cardboard, was replaced with a higher-capacity machine which bonds layers under strictly controlled temperature and humidity conditions, but uses only 0.82 kWh/kg.



*AMBRO used the
EEFF to raise
production capacity
while also lowering
energy costs*

IMPACT OF THE INVESTMENT

Investments in energy-efficient technologies and techniques are helping the company to remain competitive in the fiercely competitive paper, cardboard and packaging market, while increasing corrugated cardboard production from 15.4 to 23.2 thousand tons/year.

FINANCING

AMBRO contracted credits of 1.72 million Euro from **BRD Groupe Société Générale** using the **EU/EBRD Energy Efficiency Finance Facility**, and hence qualified for free technical consultancy and **15% EU grants** totalling 258 000 Euro.

HIGHLIGHTS

- **AMBRO used the EEFF twice**
 - Invested and achieved energy-savings...
 - ... and so came back for more!
- Significant energy savings:
 - First investment - (steam boiler) - **26% energy savings**
 - Second investment (corrugating machine) - **22% specific energy savings**
- **Total investment - 1.72 million Euro**

