

Corn snacks producer cooks up some energy savings...

... lowering energy consumption per tasty crunch by 44%

ENERGY EFFICIENCY IS COMPATIBLE WITH HIGHER PRODUCTION LEVELS

Pufulete produces simple corn puffs coated with oil and salt from its premises in Buşag, Maramureş. The snacks are packaged up and marketed throughout Maramureş and in the neighbouring counties of Cluj, Satu Mare, Salaj and Timiş. This company wanted to raise its production levels — while simultaneously lowering its energy costs.

TECHNICAL SOLUTION

Tractebel Engineering (GDF SUEZ) demonstrated that by replacing two old extrusion machines with an energy-efficient model, Pufulete could raise production capacity while lowering specific energy consumption by 44%.



A straightforward technical solution: replace two older machines with one, larger, modern, more energy-efficient model.

IMPACT OF THE INVESTMENT ON THE COMPANY

The investment is an excellent illustration of how energy efficiency can help a company to achieve a wide range of goals. Production levels increased; specific energy consumption fell sharply; and the new extrusion machine also brings environmental benefits in the form of an indirect CO₂ emissions reduction of 61 tons/year.

Final energy consumption fell from 275 MWh/year to 153 MWh/year, representing an equivalent final energy consumption reduction at post-investment production levels of 122 MWh/year, or 44%.

Financing for this 245 000 Euro investment project included a credit of 180 000 Euro from **BRD Groupe Société Générale** using the **EU/EBRD Energy Efficiency Finance Facility**, so Pufulete received a 15% **EU Grant** of 27 000 Euro.

HIGHLIGHTS

- A **straightforward** energy efficiency investment:
 - replaced two extrusion machines...
 - ...with a new, energy-efficient model
- **Total investment:** 245 000 Euro, including a 180 000 Euro EEFF credit
- **Payback in five years**

