

Romanian chicken farmer modernises production, climate and lighting systems...

...and lowers energy consumption per egg by 59%

ENERGY-EFFICIENT EGGS!

Avicola Găești is a poultry livestock company, raising hens for the production of eggs. The company invested in modernising two of its farms around Dragodana village, Dambovița County, which produce some 26 million eggs per year. Energy efficiency is considered to be an integral component of this company's modernisation programme.

TECHNICAL SOLUTION

A Rational Energy Utilization Plan was prepared by **Tractebel Engineering (GDF SUEZ)** to support a range of energy efficiency investments:

- Upgrading the feeding and feed transport systems
- Changing the ventilation and the cooling systems
- Introducing a low-energy lighting system
- Replacing the egg collection and air inlets systems



An omelette of energy efficiency investments were used to minimise egg production costs at the farms

WHY PRIORITISE ENERGY EFFICIENCY?

Automating repetitive tasks and creating a comfortable environment helps Avicola Găești to produce top quality eggs to high European standards - at minimum cost.

FINANCING

Financing included a credit of more than 1.1 million Euro from **CEC Bank** over a period of seven years using the **EU/EBRD Energy Efficiency Finance Facility**, under which Avicola Găești qualifies to receive a 15% **EU Grant** of 169 176 Euro.

HIGHLIGHTS

- Final **energy savings: 421 MWh/year** (~ 59%)
- Investment of **1.3 million Euro**
 - of which 85% financed using EEFF funds
- Very much **lower specific energy consumption** -
 - from 27.4 MWh/million eggs...
 - ... to 11.1 MWh/million eggs

