



# FERRERO GROUP

## Alba, Italy



### Benefits

- Eliminated cost of replacing failed traps
- Short pay back on energy saving
- Highly reliable -10 year no fail guarantee
- Steam savings of 15 %
- Significantly lowered condensate

## GEM® Traps Retrofitted to all Steam Equipment

The company's subsidiary company, Energhe S.p.A., develops energy efficient projects and financial savings for the Group as well as other companies. Aware of its interest in energy conservation, Thermal Energy International gave a presentation to the company's engineers on GEM® venturi orifice steam traps. Following a second meeting Energhe agreed to carry out a rigorous trial by replacing an inverted bucket steam trap, which normally had to be replaced every twelve months, with an appropriately sized GEM® steam trap. Sometimes the mechanical trap failed, but the 24/7 process could not be stopped, resulting in extensive steam wastage.

The trial, carried out on a process toaster with a 9-barg pressure, was monitored by a flow meter over a 12-month period to verify the steam consumption. It not only established that the GEM® steam trap was totally reliable but also that it had achieved steam savings of 15 %.

Following the successful trial, a local Thermal Energy International engineer carried out surveys of Ferrero Groups sites in Italy and Poland. In addition to replacing its failed mechanical traps with GEM®, Energhe now ensures that the venturi design is used in all of the company's new plants and during shut down for maintenance. To date 150 GEM® steam traps have replaced mechanical traps in the Group's sites in Italy, Germany and Ireland.

**“GEM® steam traps solved our problem of trap failure and steam leakage. We verified their performance and reliability during the trial and found they achieved the results promised at the initial presentation. In addition, we also like the fact that Thermal Energy International offers a 10-year guarantee on the GEM which is backed by fast response and excellent service.”**

Project Manager at Energhe S.p.A.



Thermal Energy International  
1 John Street, Bristol, UK, BS1 2HR  
Email: [sales@thermalenergy.com](mailto:sales@thermalenergy.com)  
Tel.: +44(0)1179 177010  
[www.thermalenergy.com](http://www.thermalenergy.com)

Beratung und Vertrieb  
Mail: [support@gemkon.de](mailto:support@gemkon.de)  
Tel.: +49(0)7182 553637  
Fax: +49(0)7182 553638  
[www.gemkon.de](http://www.gemkon.de)