



ELANTAS Deatech S.r.l. Ascoli Piceno, 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 temperature

GEM® Traps Retrofitted to all Steam Equipment

A member of the global specialty chemical group Altana AG, and a leading producer of insulating materials for the electrical and electronics industry, the company is achieving significant savings in steam consumption at its Ascoli Piceno site following the replacement all of the mechanical steam traps on its process, utilities and steam distribution pipeline with the GEM venturi orifice design.

In 2008, following a presentation, Thermal Energy International organised a bucket test to measure the live steam loss through the trap at various condensate load conditions, which proved that the GEM technology was significantly more efficient over varying loads.

Thermal Energy International's local engineer then began converting the whole site including drip legs, heating systems and tracing applications. Such has been the success of the GEM technology at the site that Thermal Energy International received an additional order for GEM steam traps for the company's site in China and in 2011 received a further order for GEM traps for the Ascoli Piceno plant.

"Thermal Energy International has supported the project throughout with a survey of the steam traps, a payback report and bucket test. The GEM venturi steam system has provided us with real savings and the prospect of a large reduction in maintenance costs".

- Plant Manager at ELANTAS Deatech's Ascoli Piceno plant