

# Energy Efficient Design

## Specialist supplier challenge

### A Sustainable Energy Strategy

Astellas is recognised internationally as one of the world's top pharmaceutical companies. Their energy strategy has a continual focus on cost, efficiency, security of supply and carbon emissions reduction. This strategy is implemented using ISO50001 as the management framework.

Energy demand is reduced, controlled and energy performance continually improved through best practice energy management. Astellas invested in wind auto-production and biomass technologies to further reduce CO<sub>2</sub> emissions, with significant energy cost savings.

### A Process for Energy Efficient Design

Astellas first applied the "Design for Energy Performance" process in the design of a new Blister Packaging line at their manufacturing site in Killorgan, Kerry in 2009.

This project was facilitated by an assigned Energy Efficient Design (EED) expert and EED owner, with the EED management process challenging the design norms of a specialist equipment supplier.

The EED management process is now standardised using ISO50001 for qualifying investments over a defined threshold of thermal or electrical energy demand.

### Specialist Equipment Supplier

Energy performance specifications were incorporated into the URS (User Requirement Specification) and Astellas worked closely with the supplier to deliver on the design opportunity. Procurement was a key stakeholder in the EED process.

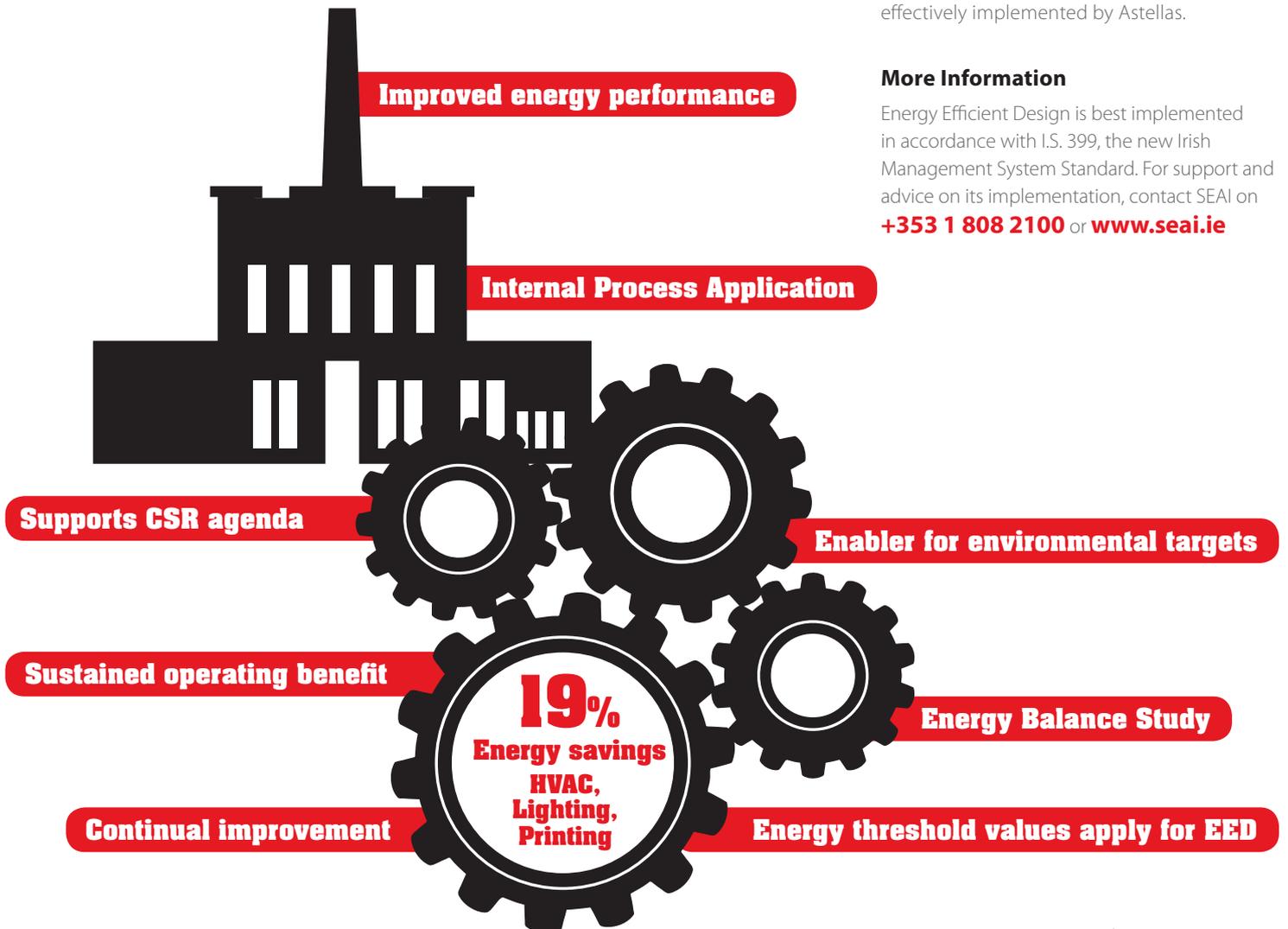
### Standardisation and Synergy

In addition to standardising EED in their ISO50001 management system, Astellas applies best practices in Lean/Six-Sigma to optimise their energy management practice in a production environment and to deliver continuous improvement and added value.

Through these processes, EED can be most effectively implemented by Astellas.

### More Information

Energy Efficient Design is best implemented in accordance with I.S. 399, the new Irish Management System Standard. For support and advice on its implementation, contact SEAI on **+353 1 808 2100** or [www.seai.ie](http://www.seai.ie)



*The savings achieved in this project were identified with little or no capital investment. This was made possible by specifying them from the outset and by learning from past experience*

Louis Collins, Director of Engineering, Astellas Ireland Co., Ltd (Kerry Plant)



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