

# Case Study

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## Dairy - ESOS

### *The Challenge*

A family run dairy, producing and processing liquid foods requested support from Catalyst in reporting on energy performance across their site and identifying opportunities for energy saving.

### *The Solution*

Energy data from the client, taken from most recent up to date bills and client datasheets, was provided to Catalyst. This data was then used to undertake analysis on when determining the approach to measuring and reporting energy across the site.

The survey entailed a walkthrough of all areas of the buildings. The purpose of the survey was to undertake a review of energy consumption within the site, by also using the energy data provided to identify where energy is being used and then to identify the potential (if any) to reduce consumption. Areas addressed included the processes deployed on site, including pasteurisation, air compression and chilling; as well as lighting.

### *The Outcome*

The final ESOS Report submitted by Catalyst identified key opportunities for potential energy and cost saving across their site. The client has a combined energy spend of over £2,000,000 per annum.

Catalyst also recommended looking at heat recovery for pasteurisers on site as well as using the Renewable Heat Incentive to fund long term upgrades to the boilers which included temporary boilers the client was using, costing £750 per week. Catalyst also calculated that based on a £9,000 upfront cost lighting upgrades can be implemented with an overall payback of one year.

This will then form part of the application process which Catalyst will undertake on behalf of the client to obtain the funds.



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