

CASE **STUDY**

PUMPS OPTIMISED

**AT MEAT PROCESSING
FACILITY TO SET TO
SECURE ANNUAL COST-
SAVINGS OF £140k+**

CS046

HAYLEY DEXIS

PUMPS // FOOD & BEVERAGES

Focus on **value**

**TRACK
UP**

THE SITUATION

The customer, a processor of cured meats, was looking to reduce the consumption of electricity and water involved in the wash-down process at their factory, and reduce the damaging impact that the current 37-bar water pressure was having on machinery.

Another aim was to reduce maintenance costs and timescales, with spare parts currently being sourced from the USA.

THE SOLUTION

A member of the HAYLEY DEXIS local branch attended the site with an expert from the specialist pumps department, to determine the applications' exact requirements. A test rig was set-up to understand the correct duty and pressure needed to effectively travel through lances and their attached nozzles, without causing damage.

Two CAT Pumps with 11kW motors were supplied and installed.

KEY VALUE AREAS



SPEND



SERVICES

The pumps were far more energy efficient, able to perform on demand, and able to run at a significantly lower pressure of 10-bar.

Nozzle sizes were also optimised, to reduce the volume of water consumed during washdown.

THE RESULT

The reduced energy consumption of the new pumps has enabled the customer to save around £14,000 per year on electricity costs. The water consumption of the units has also been halved, presenting an



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**COMPLETE PAYBACK
ON THE PROJECT**

WAS ACHIEVED

WITHIN 8 MONTHS.

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astronomical annual cost-saving of £124,000. Complete payback was achieved within 8 months.

These cost-savings do not include those hidden costs related to the damage previously being inflicted on machinery, caused in main by the high water pressure. They also do not include the costs of lost production, spares costs, and engineer labour that were previously being experienced.

CONTACT US!

Speak to your local HAYLEY DEXIS branch today!

You can find their details by using our online Branch Finder tool:

www.hayley-group.co.uk/branch-finder.

KEY BRANDS



KEY RESULTS

Cat 7CP6171 plunger pump

KEY RESULTS

Annual water consumption reduced to save £124k p.a.

Electricity consumption reduced to save £14k p.a.

Environmental impact of operation reduced.





HAYLEY

DEXIS