

CASE **STUDY**

HAYLEY DEXIS

**AND GRUNDFOS HELP
POWER STATION
OPERATOR TO REDUCE
RUNNING COSTS OF
THREE PUMPS**

CS051



HAYLEY
DEXIS

HAYLEY DEXIS
PUMPS // UTILITIES - ENERGY

Focus on **value** **TRACK UP**

THE SITUATION

The operator of a British, coal-fired power station, was aiming to reduce the running costs of their pump system, as part of a wider cost-saving initiative.

The team within the specialist industrial pumps department at HAYLEY DEXIS got the call for assistance. They swiftly arranged a suitable date for a formal Energy Check to be carried-out in collaboration with Grundfos. This survey would focus on three ageing Weir pumps being used at the site.

THE SOLUTION

The Energy Check was completed on-site in accordance with the ISO 14414 Pump System Energy Assessment Standard, and revealed the potential for considerable savings to be made, both in terms of cost and in a reduction in carbon emissions.

KEY VALUE AREAS



SPEND



TOTAL COST OF OWNERSHIP

The recommended switch of the current pumps for new, more energy-efficient Grundfos pumps was approved, and the install was carried-out with minimal disruption to the customer's operation.

THE RESULT

By replacing three pump units at the power station, the customer has reduced their electricity consumption by 594048 kWh per year. This translates to a significant annual cost-saving of £56,435 being enjoyed.

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A COMPLETE PAYBACK ON THE INITIAL INVESTMENT WAS SECURED WITHIN A LITTLE OVER 18 MONTHS.

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With the new pumps costing around £95,000, a complete payback on the investment was secured within a little over 18 months.

Environmental benefits were also secured as a result of the work, with the customer reducing their carbon footprint at a rate of 245 tonnes of CO₂ per year.

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 SOLUTIONS

Grundfos KP 1020 - 5/6.

KEY RESULTS

Total cost of ownership for pump units reduced.

Environmental impact of operation lessened.





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