

CASE **STUDY**

HAYLEY DEXIS AND

**GRUNDFOS HELP
AEROSPACE INDUSTRY
MANUFACTURER TO CUT
PUMP RUNNING COSTS
BY £180k PER YEAR**

CS045



HAYLEY
DEXIS

HAYLEY DEXIS PUMPS // AEROSPACE

Focus on **value**

TRACK UP

THE SITUATION

The customer, a leading manufacturer of aerospace components, was using thirty Grundfos pumps at their facility in Scotland. The pumps were running constantly at full power, even after nozzle valves had closed with the machine's need for fluid having passed.

This was not only a waste of energy, but also resulted in a water hammer effect being created, presenting a risk to health & safety and the longevity of the system.

THE SOLUTION

HAYLEY DEXIS worked with Grundfos to conduct an ISO 14414-accredited energy check at the factory. A pump upgrade was recommended, in order to dramatically reduce energy consumption and the associated costs, as well as extend the service life of the pumps.

The Grundfos CRE 32-7 AN-F-AE-HQQE was the chosen solution, as it would allow the maintenance of a constant pressure, while slowing-down to a stop as the nozzles close.

KEY VALUE AREAS



SPEND



SERVICES

The pumps would restart in a slow and controlled manner, reducing the water hammer effect and extending their service lifespan.

A two-week trial period was arranged, to prove the energy and cost-saving capabilities of the new pumps.

THE RESULT

The trial period was successful and the energy check findings were proven and the solution installed across the site. The wasted energy caused by the previous pumps running continually, has now been eliminated. The annual

“

**AN OVERALL COST-
SAVING OF £180k**

**PER YEAR HAS BEEN
ACHIEVED.**

”

cost-saving per pump was just short of £6k, meaning an overall saving of £180k per year has been achieved. This has meant that a complete payback on the initial investment was possible in two years.

As a direct result of the reduction in energy consumption, the CO2 emissions attributed to the facility have also been reduced, supporting the customers' drive for improved environmental sustainability.

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



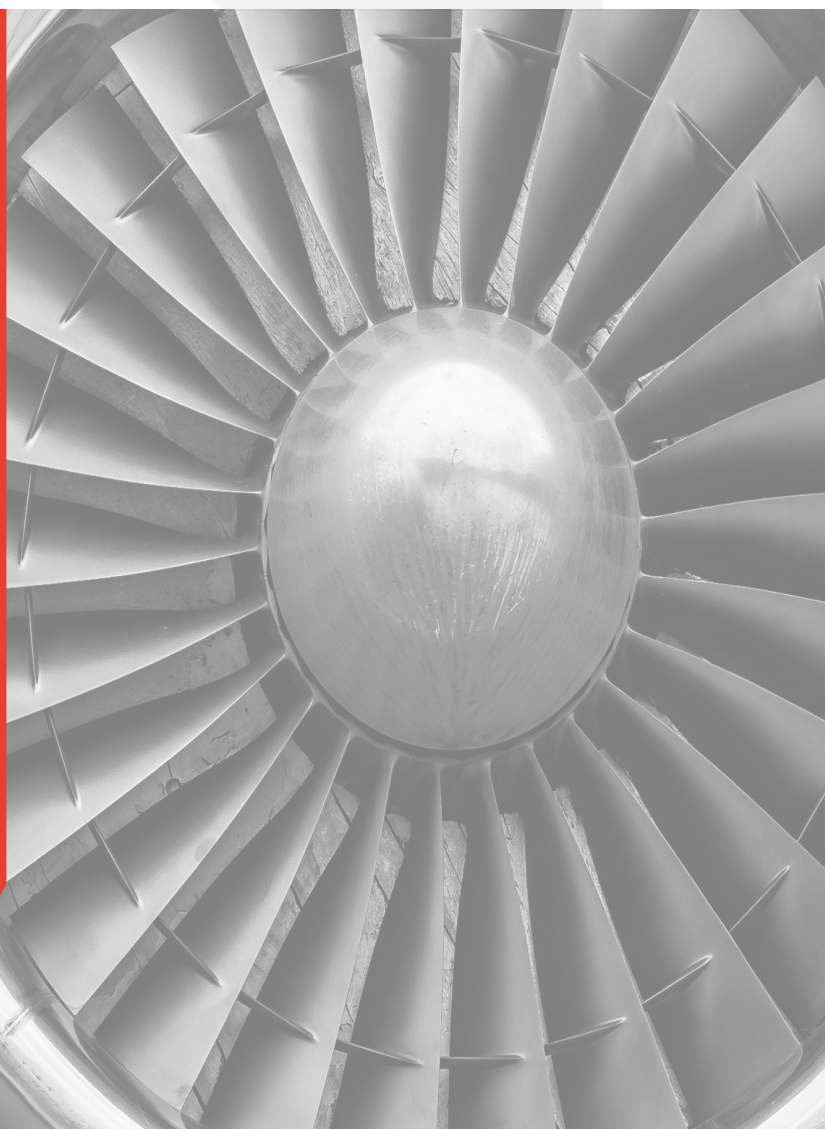
KEY RESULTS

Grundfos CRE 32-7 AN-F-AE-HQQE

KEY RESULTS

Running costs of pumps reduced by £180k p.a.

Energy efficiency of operation significantly improved.





HAYLEY

DEXIS