

CASE **STUDY**

AIR LEAK DETECTION

**SURVEY FOR TURBINE
COMPONENT
MANUFACTURER
ACHIEVES
SIGNIFICANT COST-
SAVINGS**

CS033



HAYLEY

DEXIS

HAYLEY DEXIS

FLUID POWER // AEROSPACE

Focus on **value**

**TRACK
UP**

THE SITUATION

The customer, a manufacturer of gas-path components for turbines based in Yorkshire, wanted to better understand their use of compressed air. The business approached HAYLEY DEXIS and asked us to carry out an air leak survey to help them to identify potential cost-savings. A second objective of the survey was to identify opportunities to optimise compressed air use on-site.

THE SOLUTION

A comprehensive survey was conducted to measure air leakage and calculate the financial impact. All leak points were photographed and tagged. The four compressors on-site were operating at 6.9 – 7.1 bar, costing between £88,000 and £151,000 per year to run.

A recommendation was made to the customer to reduce the generated pressure to a lower level.

KEY VALUE AREAS



SPEND



OTHER

A further recommendation was made to replace filter elements within the compressors. Also advised was a switch to Meech 45400 blowguns, to save up to 70% of compressed air consumption.

THE RESULT

The customer took on-board all of the recommendations from the survey. The cost to repair the leaks was just £400, with the total annual cost of the leaks estimated to be around £17,500. This meant that payback on the work was achieved within just two weeks.

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**THE ANNUAL
COST SAVING**

TOTALLED

£28,528.

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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.

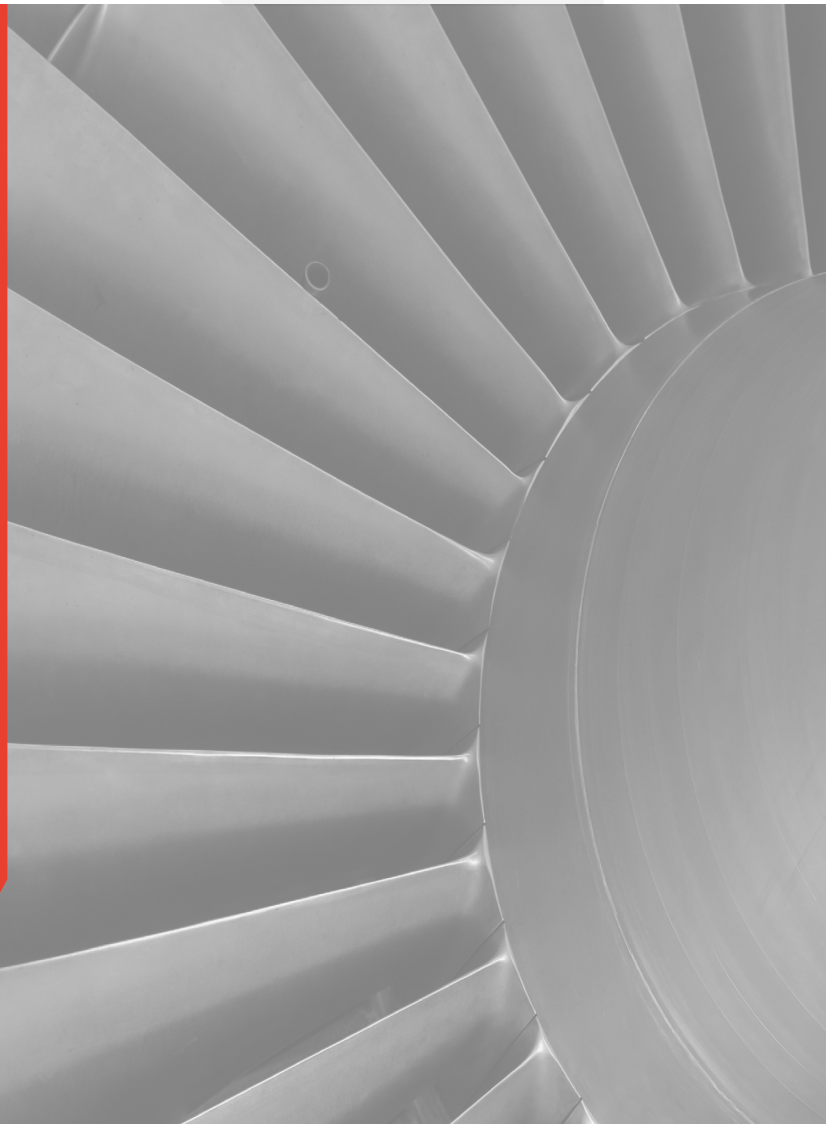
Beyond the air leaks, the estimated cost-savings for the optimisation opportunities that the survey identified stood at £11,028. This brought the total annual cost-saving achieved to £28,528.

KEY RESULTS

Energy costs significantly reduced.

Payback achieved within just two weeks.

Environmental impact reduced.





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