



Summary

Industry:	Aerospace
Application:	Air Handling Units
Actual Saving:	£n/a
Payback Period:	1.8 months



Premium CRE Belts for Energy Efficient Solutions

Fenner Quattro PLUS belt drives increase airport efficiency by 10%

ISSUE

ERIKS' Birmingham service centre was contacted by a local airport who were interested in improving efficiency throughout the airport, and in particular on their air handling units. Following a site visit and subsequent analysis of the incumbent drive, the product specialist, Satish Chandarana, advised that the current drive was performing way below its optimum efficiency as the existing belts and pulleys were badly worn.

SOLUTION

Following consultation with the Energy Manager, Satish looked at how he could increase efficiency on this application. The drive redesign recommended the use of Fenner Quattro PLUS belts, combined with new pulleys, which would provide a drive that operated at 96% efficiency. Fenner Quattro PLUS CRE wedge belts can seriously reduce energy consumption when used in conjunction with variable speed drives. They can also vastly improve production and process speeds in their own right, by reducing slip and giving increased performance from the driven machine. Six months down the line the airport has confirmed that the new drive has increased efficiency by 10% and are now looking at similar solutions on other applications around the airport.

OTHER BENEFITS

FURTHER COMMENTS...

"Utilising Fenner Quattro PLUS on your belt drives enables you to run the motor at lower speeds, saving money, whilst still producing the original air volume".

Phillip Hewitt
Product Manager - Fenner Open Drive

MORE INFORMATION

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