



### Summary

<b>Industry:</b>	Power Gen - Fossil Fuels
<b>Application:</b>	Power Station Turbine Oil Pump and Filtration Package
<b>Actual Saving:</b>	£n/a
<b>Payback Period:</b>	n/a



## Portable Filtration Package For Power Station

ERIKS Pump Technology and ERIKS Fluid Power solve customer needs

### ISSUE

A UK Gas fired power station, had been receiving unsatisfactory laboratory results from oil samples taken from the power stations gas and steam turbines lubrication systems. This oil is some of the most expensive and critical to the running of the power station and operates as the main lubricants to the multi million pound gas and steam turbines.

The oil is highly maintained, however following a recent occasion where a portable off line filtration package had been hired in from the oil's manufacturers, the power station decided they wanted a portable filtration package of their own.

### SOLUTION

ERIKS Pump Technology were approached to design, manufacture, test and supply a portable pump filtration package, to the power stations own specifications.

ERIKS Pump Technology in collaboration with ERIKS Fluid Power worked together to understand the application, as the unit had to have the ability to be portable enough to work on any of the power stations turbines on site.

ERIKS undertook an evaluation process and assessed all the requirements and designed a skid with pre filtration, Transfer pump, fine polish filtration down to 5 micron and an online Hydac particle counter. The unit was built and assembled into a portable wheeled frame, with suction / delivery hoses and flying power lead.

The unit was assembled at ERIKS Coventry Fluid Power workshops, and later witness tested by the power station prior to despatch to site.

### OTHER BENEFITS

- The power station now have a portable pump filtration package to use as an off line filter system in a kidney loop arrangement to supplement the turbines on internal filtration package.

### FURTHER COMMENTS...

This application is an excellent example of how ERIKS Pump Technology in collaboration with the ERIKS Fluid Power Centre, worked together to deliver a customised packaged solution to clients exacting standards.

### MORE INFORMATION

#### ERIKS Industrial Services

Amber Way, Halesowen,  
West Midlands B62 8WG

**Tel: 0845 006 6000**

**Web: [www.eriks.co.uk](http://www.eriks.co.uk)**