



## Summary

<b>Industry:</b>	Power Gen - Fossil Fuels
<b>Application:</b>	Generator Hoses
<b>Actual Saving:</b>	Improved design
<b>Payback Period:</b>	Ongoing



## Perfect Harmony Between Flexibility & Strength

### ISSUE

A power generation equipment company was experiencing a high level of customer complaints due to perceived leakage on their rented generators which was due to the selected hose solution.

Originally the generators had composite hoses fitted consisting of fabric and wire, to circulate coolant. Due to the material of the hose, eventually the coolant would seep out of the walls and look like they were leaking, leading to concerns over health and safety. With a total of 4 of these hoses fitted to each generator the seepage presented a large problem.

To make the situation worse, the customer had explored current hose options thoroughly and found the selected hose to be the best choice for the application. This is because they required level of flexibility which other types of material could not offer, and hoses made with stronger material led to other forms of leakage.

### SOLUTION

To remedy this ongoing problem, ERIKS first wanted to make a robust material work flexibly. Fortunately, the ERIKS team with their specialist expertise could apply a treatment which could be applied to stainless steel that afforded 40% extra flexibility without compromising its strength.

Once the stainless steel hose had been created and the flexibility tested to ensure it met the standards required by the customer, a Manntek quick release coupling was added to ensure additional leakage issues could be avoided.

The new hoses offered the perfect harmony between flexibility and strength, and improved the overall design of the generators leading to extended overall machine life.

### OTHER BENEFITS

- ERIKS expertise
- Permanent solution
- Improved design
- Improved health & safety
- Extended machine life

### FURTHER COMMENTS...

Since implementing the hose solution for their generators customer complaints have dropped considerably.

### 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)