



Summary



Industry:	Automotive
Application:	HV Power Factor Correction
Actual Saving:	£29,267
Payback Period:	9 months



Main transformer remedied by ERIKS

Main transformer failure resolved after ERIKS identifies and solves problems

ISSUE

After a main transformer failure on the site of a leading automotive components manufacturer, the Power Factor Correction had a low reading of 0.65 when it should have been around the 0.95 mark. ERIKS asked if they could take a look at it and provide a proposal to correct it by doing the remedial works.

SOLUTION

The application was surveyed with all current readings taken and areas were identified for remedial works. These were relay controller failure, reduced capacitor output, suggesting a dielectric breakdown and ventilation fan failure which reduces the efficiency of the forced air extraction. All issues were remedied by ERIKS with replacement parts bringing the Power Factor Correction back to where it should be.

OTHER BENEFITS

- Increased efficiencies
- Reduced reactive power charges
- Reduced supply capacity charges
- Safeguarding of main transformers

FURTHER COMMENTS...

The total cost of the remedial works including installation was £9,361. The annual saving however is £12,876 giving a net saving of £3,515 in the first year with total net savings over three years of £29,267, which was duly signed off by the customer.

Facilities Project Co-ordinator

MORE INFORMATION

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