



Summary

Industry:	Nuclear Power Generation
Application:	Reactor Cranes
Actual Saving:	£n/a
Payback Period:	n/a



Obsolete Motor replaced for Nuclear Power Station

ERIKS ensures obsolete motor is replaced during shut down

ISSUE

A large Nuclear Power Station in Bristol encountered a problem with the electric motors on one of the reactor cranes during a scheduled upgrade. The original motors used were manufactured in the 1960's to imperial dimensions and had been obsolete for many years. The plant engineers were struggling to accommodate modern metric motor dimensions due to the location and access, so with the situation requiring a quick solution the on-site engineers contacted ERIKS for assistance.

SOLUTION

ERIKS Technical Specialists visited the site and were able to access the motors to take measurements of the critical dimensions. Designs were then drawn up in-house for special mounting feet and a modified output shaft that could be applied to the Brook Crompton World series motor allowing the modern alternative to bolt straight in place of the existing motors.

55kW 8 pole Brook Crompton W Series motors were selected, de-rated for inverter duty 50-5Hz and fitted with special brake drum couplings on the output shafts

Working in partnership with Brook Crompton who manufactured the special motors to ERIKS drawings, we were able to quote for the complete supply with full test certification removing the need for costly downtime and modifications on site to the existing plant. With a relatively short manufacturing lead time the upgraded crane was back in fully functional condition within the scheduled upgrade period.

OTHER BENEFITS

- Obsolete unit replaced with modern higher specified unit
- Optimum energy efficiency and increased reliability
- An engineered solution to the problem
- Quick response and build time of new unit

FURTHER COMMENTS...

With a relatively short manufacturing lead time the upgraded crane was back in fully functional condition within the scheduled upgrade period.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk