Case Study

Motors, Gearboxes & Drives

Summary	Industry:	Leisure
	Application:	Outdoor Turntable Drives
	Actual Saving:	£Ongoing
	Payback Period:	

Fenner

Illuminated Solutions from ERIKS

Fenner drive solutions keeps the show on the road

ISSUE

Blackpool council maintain the famous lights and machines in the "illumination" show at Blackpool sea front On a particular tableau they were using small DC motors and gearboxes to turn two large illuminated wheels. These were causing problems from the ingress of salt water and corrosive atmosphere both in the motors/gearboxes and in the controls. When they did have problems they were proving very costly and time consuming.

SOLUTION

Richard Williams their Chief Engineer contacted ERIKS to look at alternative drives for the tableau. After a site visit to look at the application the ERIKS specified a Fenner in-line geared motor unit and Fenner QD:E inverter which would give them the speed control and torque they required.The geared motor units were specified to provide a suitable unit for the application and resilient against the atmosphere and conditions it would be working in, the units were originally aluminium bodied.

The new Fenner geared motor units and Fenner QD:E inverters that have now been fitted will give Blackpool council advantages over the old DC geared motor units. In addition the Dry fit, Standard IEC face mounted motors, provide better insulation from the elements and better control of the output speeds.

OTHER BENEFITS

- Cost effective replacement for problematic unit
- Added benefit of having speed control on each unit via the Fenner QD:E inverter
- Robust construction - reduced maintenance costs of new Fenner Series M units
- Dry fit and Standard IEC frame of Fenner Series M units

FURTHER COMMENTS...

Richard was very happy with the response from ERIKS and the engineering know how that helped him to redesign the drives for this particular showpiece.

MORE INFORMATION

ERIKS Industrial Services
Amber Way, Halesowen,
West Midlands B62 8WG
Tel: **0845 006 6000**
Web:**www.eriks.co.uk**

know-how makes the difference

ERIKS