



Summary

Industry:	Oil & Gas
Application:	New Hardness Testing Machine
Actual Saving:	£n/a
Payback Period:	n/a

Fenner



Hardness Testing Machine for the North Sea

ERIKS assist in the design of a hardness testing machine

ISSUE

ERIKS UK were approached by a company in County Durham - who heat treat large pipes for the North Sea Offshore Industry - to assist with the design of a hardness testing machine to enable each pipe to be individually tested and certified.

SOLUTION

The challenge was taken up by ERIKS Drives Technical Specialist Jon Sansom. Following detailed discussions with the customers engineers, Jon recommended a solution based around the Fenner product range, which for 150 years has provided efficient, reliable solutions.

The final machine design consisted of a rail mounted bogey, which delivers the pipe into the testing area. The bogey wheels are driven by a Fenner Cyclo Gear Motor Unit and Fenner Plus Chain and Sprockets. Precise speed control is provided by a Fenner QD:E IP55 Inverter.

The hardness testing head is raised and lowered by a chain drive mounted in a frame. Which consists of a Fenner Series M gear motor unit, QD:E IP55 Inverter and Fenner Plus Chain & Sprockets. It was essential that the machine should be mobile, therefore it was designed to operate on a single phase supply to the inverters which then converted the supply to 3 phase for the Fenner gear motors.

OTHER BENEFITS

- Rugged, robust and reliable products across the complete Fenner range
- Complete product design, and commissioning

FURTHER COMMENTS...

The Hardness Testing Machine is now fully operational and working to it's full potential

MORE INFORMATION

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