ERIKS RE-ENGINEERS SUPERIOR REPLACEMENT FOR OBSOLETE VALVES
Re-engineered wedge gate valves save costs for Nuclear Power Generator

CHALLENGE
ERIKS Valves Core Competence Centre was asked to assist with the identification of large bore wedge gate valves on a seawater cooling system in a nuclear power station. The customer wanted replacement valves, or a suitable alternative if replacements were not available.
The valves were identified as 20" / 500 mm nb ‘Ham Baker’ Cast Iron Gate Valves, there were seven valves in total. The valves were operated via Rotork actuators and in some cases via extension stems. All were located in very tight spaces (pits, etc) as an additional plant had been added after the initial installation.
The OEM was no longer trading and the original valves were obsolete. The same situation occurs frequently at power stations across the UK due to the age of the original supplied equipment.

SOLUTION
ERIKS measured and recorded all relevant data and dimensions. The valves were re-engineered. The valves were improved to the exact dimensions.

This permitted the Power Station to accept and order via an EVAL as opposed to undertaking a complete EC.

OTHER BENEFITS
- Technical know-how allowed for an obsolete product to be re-engineered
- Improved product supplied
- Cost reduction

FURTHER COMMENTS
Where and when possible we strive to offer direct replacements to meet with the Fit, Form and Function requirements of the industry. Where this is not possible or practical we look to improve via materials of construction or operation methods to reduce whole life costs.

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