



Summary

Industry:	Defence
Application:	Dry dock
Actual Saving:	£670,000
Payback Period:	Undisclosed



Automatic Pump System Saves Over £600k

ISSUE

ERIKS were approached by a defence customer who was experiencing numerous flooding issues. The pump unit in question assisted with water levels in the dry dock, but was continuously failing, impacting plant operations. Typically the dry dock floods allow a load to be moved and later drained enabling the load to come to rest on a dry platform.

In the past the customer used a non-automatic system which had to be operated by a site engineer 24/7, proving expensive and inefficient. ERIKS were asked to suggest a suitable solution to this issue.

SOLUTION

Following an in-depth inspection, ERIKS Technical Engineers suggested a automatic pumping system which would be the ideal solution, as the unit's automatic ultrasonic sensing controls will turn on and off at pre-determined set points. The system is designed to protect the pump station from flooding while the dock is impounded, accurately maintaining water levels within 20mm.

Additionally as a precaution, the pump unit is protected by a data logging system which sends information and graphs to the Technical Engineers' computer six times a day. Should water levels exceed the pre-determined levels, or should a power failure occur, a text will be sent to the designated mobile phones as an early warning. The system also re-circulates the water to the dry dock to maintain the desired water level to continue safe operations and reduce waste water consumption.

OTHER BENEFITS

- Operates automatically saving time and labour cost
- Pre-programmed alerts incorporated to provide early warnings
- Electronic sensors constantly monitor pump station operations
- Improved onsite safety

FURTHER COMMENTS...

The customer is extremely pleased with the outcome, with cost savings of over £600,000 and reliability and efficiency improvements.

MORE INFORMATION

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