



Summary

Industry:	Other
Application:	e-Connect Condition Monitoring
Actual Saving:	Hotel shutdown avoided
Payback Period:	Ongoing



Status Monitoring Keeps Hotel Open for Business

ISSUE

All hotels depend on providing constant hot and cold running water and a fully-functioning effluent removal system for guests. If these fail to be operational, it is an offence to let rooms. So in the event of a breakdown in either system, the hotel has to be closed down and guests ejected.

Hotels have both duty and standby hot/cold water pumps and effluent pumps for just such an eventuality. If the duty pump fails, the standby pump automatically comes into operation. As the pump immediately cuts in, there is no interruption to the system's operation.

However, with no alarm or alert to provide notification when the duty pump has failed, it remains unusable until the next routine maintenance check. If the standby pump fails meanwhile, the system shuts down completely.

SOLUTION

The requirement was for a plant status monitor, incorporating an automatic notification system. No parameter monitoring or reporting was required beyond, simply, is the system in operational or fault mode? The key was to adopt an Industry 4.0 approach, and capitalise on the potential of the Industrial Internet of Things (IIoT), to provide information, automation and communication.

ERIKS proposed the use of ERIKS eConnect gateway communication system to connect the equipment in the plant room and send information via the internet to the cloud-based data centre. The system then sends a text and email to the designated maintenance engineer. Once alerted, logging-on to the system would provide a view of each pump's fault status, using a simple red and green traffic light graphic for each pump.

By using the system the customer would be aware that there had been a fault, and the standby system had taken over so action was needed to resolve the issue.

OTHER BENEFITS

- Early stage detection
- Minimal downtime
- Business disruption avoided

FURTHER COMMENTS...

Within a week of installing the solution the monitoring system reported one of the boilers was in fault mode, as it was a new boiler the fault could have been easily overlooked but was picked up thanks to the ERIKS eConnect system, thus the system paid for itself within its first week of use!

MORE INFORMATION

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