



ENVIRONMENTAL TECHNOLOGY

Green light for System Sentry®

Engineers at the oil storage and transportation company Exolum say that the AESSEAL® monitoring device System Sentry® is proving to be an invaluable part of their operation to supply aviation fuel to airports throughout the UK.

System Sentry® is an all-in-one solution employing pressure and temperature monitoring. It allows the user to monitor the health of a 53B system using API 682 4th edition methods, without the need for additional cabling. The onboard algorithm does all the calculations to tell the user when to top up the barrier fluid. The device has been described as 'the wireless sight glass for the 53B'.

Relying solely on low pressure alarms increases the chances of losing the pressure differential across the seal faces. The System Sentry® device solves this problem by allowing the user to see the actual barrier fluid level, reducing the danger of emptying the accumulator. Using System Sentry®, the company is able to monitor each of its UK sites remotely. The data can be accessed from anywhere at any time; all that is needed is an internet connection.

Exolum rotating equipment specialist Adam Stothard said that the system was an important contributor to the efficiency of the Exolum operation.

"Without it I would have to wait for cables run and instrumentation connecting to our control system which would cause delays and cost money," Mr Stothard said. "I especially love the ability to monitor remotely and how the data is trended which can help fault finding and asset health."

AESSEAL® is already supplying two more 53B's with System Sentry®, and Exolum is now considering rolling it out as standard across all its UK sites.



'Helps fault finding and asset health'

Industry:	Oil & Gas
Product:	System Sentry
Application:	Aviation Fuel
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