



ENVIRONMENTAL TECHNOLOGY

## System Sentry® proves its worth in INEOS field trial

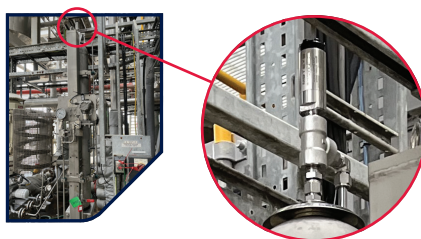
Engineers at the petrochemicals manufacturer INEOS have given the seal of approval to the AESSEAL® monitoring device System Sentry® following a field trial at the company's plant in Hull in the east of England.

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

The demands of the application at the INEOS plant and the seal type required meant that there was an increased possibility of seal leakage. Without knowing the barrier fluid level and by relying solely on low pressure alarms there was a greater chance 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.

The trial was carried out in April 2024, and the INEOS process engineer said that System Sentry® had proved to be very effective when used to monitor the AESSEAL® dual seal.

"It's actually allowing us to quantify the leakage rate and to be more proactive with routine top ups, rather than relying on low pressure alarms as was the case previously."



## 'Allows us to quantify the leakage rate'

Industry: Oil & Gas  
Product: System Sentry  
Application: Ethyl acetate production  
Reference N.O: TD3108181



[aes seal.com/info](https://aes seal.com/info)