

BP selects DeltaV for overspill protection

An Emerson Process Management product story

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Emerson Process Management has won a contract to install its DeltaV Safety Instrumented System (SIS) at fuel storage and distribution sites operated by BP Oil across the UK.

BP Oil selected DeltaV SIS following an evaluation of the available technologies by Trident Engineering Consultants, based in Glasgow.



BP Oil Specifies Emerson Safety Technologies for Tank Overspill Protection Systems (copyright BP plc)

The first system will be delivered to the BP Oil terminal at Hemel Hempstead, followed by further sites around the UK.

The tank overspill protection systems are designed to enhance existing safety measures, guarding against the potential hazards that would result from a storage tank being overfilled.

Based on the Emerson DeltaV SIS, the tank overspill protection systems will monitor the tank level and automatically shut off the feed to the tanks if the level reaches the high cut-off limit.

Emerson DeltaV SIS is a smart safety instrumented system.

It uses the predictive diagnostics to monitor the whole safety loop, and not just the logic solver to make installations safer and more productive.

Its design reflects the fact that more than 85 per cent of safety faults occur in field instruments or final control elements.

The logic solver communicates with intelligent devices via the Hart protocol to diagnose faults before they cause spurious trips.

In other words, the system applies predictive intelligence to increase SIS availability.

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