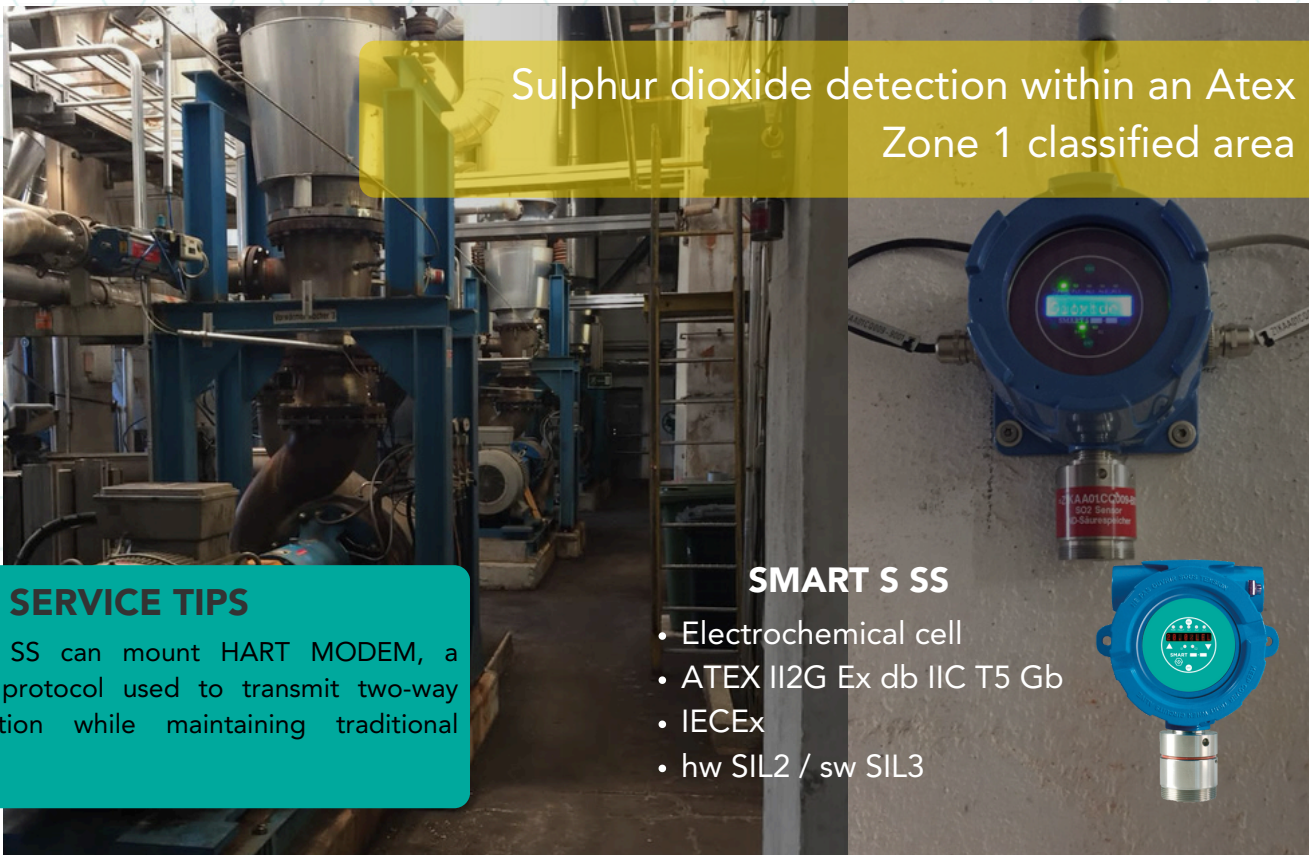


SENSITRON

APPLICATION

Sulphur dioxide is a colourless gas with a pungent odour. It is used in some industries as a preservative agent, in the production of sulphuric acid and as a bleaching agent in textile processes. Highly irritating and harmful to health, it can cause respiratory problems and eye irritation. Monitoring its presence is essential to reduce environmental impact and ensure safety.



Sulphur dioxide detection within an Atex Zone 1 classified area

SERVICE TIPS

The SMART S SS can mount HART MODEM, a communication protocol used to transmit two-way digital information while maintaining traditional analogue wiring.

SMART S SS

- Electrochemical cell
- ATEX II2G Ex db IIC T5 Gb
- IECEx
- hw SIL2 / sw SIL3



SOLUTION

Sulphur dioxide detection can be addressed with continuous monitoring systems, based on electrochemical sensors, which work by detecting chemical reactions between the gas and the internal electrolyte, generating a current proportional to the detected concentration. They are compact, highly sensitive and ideal for applications where low concentrations need to be monitored, such as indoors or in specific areas of an industrial plant.

