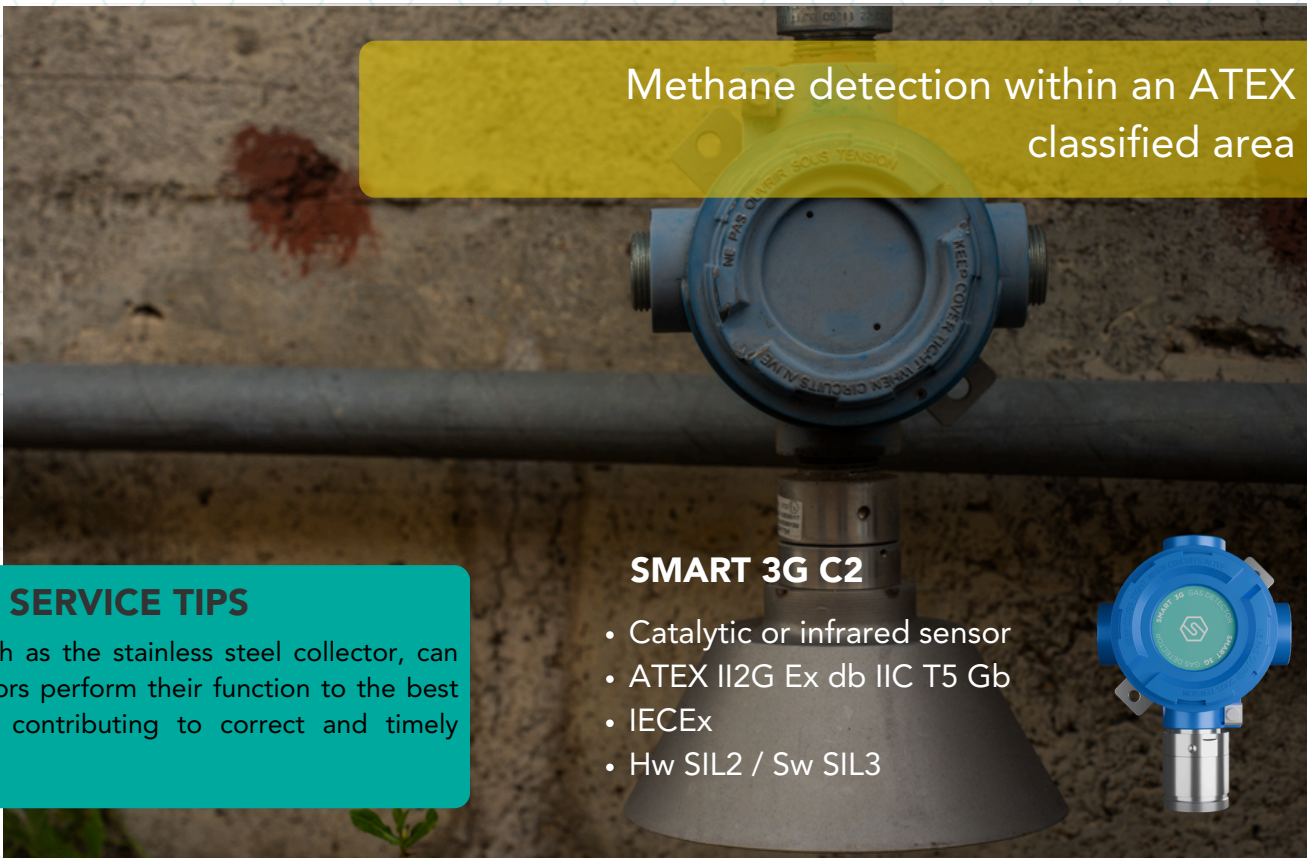


SENSITRON

APPLICATION

Methane is a colourless and odourless gas under normal conditions, highly flammable and widely used as a fuel in industry, housing and transport. Being lighter than air, it tends to disperse quickly, but can accumulate in enclosed spaces, increasing the risk of explosions. Monitoring its presence is essential to ensure plant safety and prevent accidents.

Methane detection within an ATEX classified area



SERVICE TIPS

Accessories, such as the stainless steel collector, can help gas detectors perform their function to the best of their ability, contributing to correct and timely detection.

SMART 3G C2

- Catalytic or infrared sensor
- ATEX II2G Ex db IIC T5 Gb
- IECEx
- Hw SIL2 / Sw SIL3



SOLUTION

Methane detection can take place via catalytic or infrared sensors, chosen according to the environment and monitoring requirements. Catalytic sensors detect the gas through an oxidation process, ensuring high reliability in industrial environments. Infrared sensors, on the other hand, exploit the absorption of infrared radiation by methane and are an ideal solution for environments with low oxygen concentrations, offering longer service life and less need for maintenance. Both technologies ensure accurate and continuous monitoring, helping to prevent the risk of explosions in storage facilities, refineries and chemical industries.

