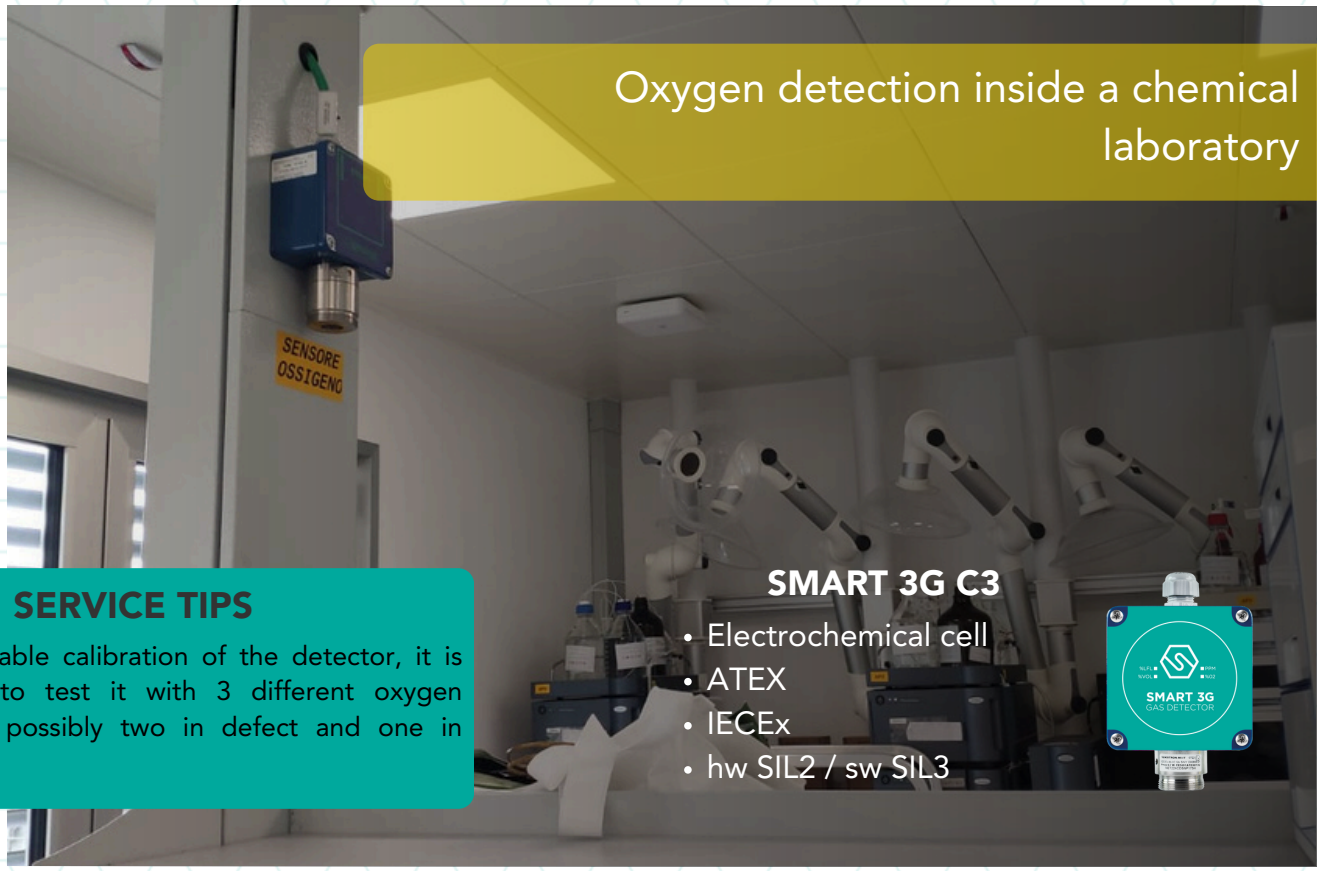
SENSITRON

APPLICATION

Monitoring oxygen in a chemical laboratory is essential to ensure the safety of those who work there. Atmospheres can become dangerous either when oxygen falls below a certain level (hypoxia) or when it exceeds the safety threshold (hyperoxia).



Oxygen detection inside a chemical laboratory

SERVICE TIPS

For a more reliable calibration of the detector, it is recommended to test it with 3 different oxygen concentrations, possibly two in defect and one in excess.

SMART 3G C3

- Electrochemical cell
- ATEX
- IECEx
- hw SIL2 / sw SIL3

SOLUTION

Various technologies are used to detect oxygen. Electrochemical sensors are popular due to their accuracy, which is very important since an oxygen concentration below 19.5% is a breathing hazard, while levels above 23% can increase the risk of fire or explosion, especially in the presence of flammable materials.