



## STERILIZATION PROCESSES FOR CONSUMABLES AND HOSPITALS

Ensure safe and adapted sterilisation  
processes for your activities



### Challenges

Measure in real-time during and after processes and control workforce's expose to harmful gases to secure their health while optimizing processes and productivity

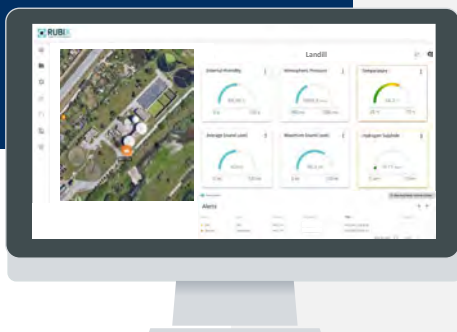
## Solution



Specific ethylene oxide electrochemical sensors to monitor expected and unexpected events

Real-time control of processes and employees' exposure to harmful levels

## Benefits



✓ Ensure safe and healthy environments for your workforce

✓ Optimize your sterilization processes by controlling before and after events

✓ Guarantee process efficiency and workforce productivity

## Context

The industry of consumables or instruments used in hospitals follows sterilization processes using ethylene oxide, which is extremely harmful to health and fatal in high concentrations

## Challenge

Laboratories using statistical sampling and gas chromatography-type instruments in the analysis, take up to several hours between sample preparation and results. There is a clear need to perform real-time measurements during and after processes in order to secure the health of workers and limit their exposure to harmful levels of ethylene oxide while maintaining the efficiency of the processes

## Solution

RUBIX has adapted its POD2 by integrating specific ethylene oxide electrochemical sensors while keeping the original POD2 sensors such as MOX, allowing to follow all types of expected or unexpected events. This helps you control in real-time the different processes and the employees' exposure to harmful levels

## Impact

This allows all companies using ethylene oxide to control continuously and in real-time all events during and after sterilization processes of consumables or medical instruments, ensuring the health of workers and efficiency of processes



**Leader in environmental intelligence for a  
healthier world, through environmental  
monitoring and source identification  
IoT technologies**