

# SCENTROID

FUTURE OF  
SENSORY  
TECHNOLOGY

## SL50 SCENTINAL

Compact Air  
Quality & Odour  
Monitoring  
Station



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# SCENTINAL SL50

## PRODUCT SPECIFICATIONS



### An Industrial Air Quality Monitor!

The Scentinal monitoring station has been designed to collect data from a variety of sensors and present the sensor data in an easy to understand graphical interface. With an operating temperature range of -50°C to 80°C, the Scentinal has been built to withstand a wide array of scenarios! The flexible intelligent station allows live monitoring of plant emissions on Scen-troid's cloud servers. Odour emission is reported in OU/m<sup>3</sup>, calculated using Scentroid's deep learning algorithm.



**Detected gases**  
H<sub>2</sub>S, SO<sub>2</sub>, CO<sub>2</sub>, CO, Cl, C<sub>2</sub>H<sub>4</sub>,  
H<sub>2</sub>, HCl, HCN, NH<sub>3</sub>, O<sub>3</sub>, NO<sub>2</sub>, PH<sub>3</sub>,  
O<sub>2</sub>, CH<sub>4</sub>, NO, VOCs and more



**Communication**  
3G/4G, WiFi, Modbus, LoRa



**Daily Maintenance**  
Automatic cleaning and  
decontamination of all lines  
every 24 hrs.



**Plug and Play installation**  
Sensors record their GPS position.  
Once powered, the central comput-  
er will know the exact location of the  
unit, even when moved



**Built-in Data Storage**  
Temperature, humidity, GPS,  
sensor data, noise, radiation, PM1,  
2.5, 10, and odour data stored for  
1 year



**Temperature range**  
-50°C to +50°C with HVAC  
-50°C to +80°C with CHVAC



**Reporting Standards**  
Traceable back to international  
standards e.g. USEPA (40 CFR Part  
53) and EU (2008/50/EC)



**Cloud Access**  
Unit can be accessed on location  
or remotely using encrypted cloud  
based hosting



### Flexible Sensing and Modular Design

Scen-tinal can be customized to fit a wide range of applications. Users can select from a list of over 50 sensors to monitor gas pollutants, dust, meteorological conditions, noise, and even radiation. Scen-tinal can monitor emissions from a stack, sample from ambient air, or measure indoor air quality. Communications modules such as Modbus and BACnet allow Scen-tinal to be integrated into industrial plants and central monitoring stations.



#### SIMS 2.0 Program

Graphic emission representation  
and reports are generated with the  
click of a button!

#### No Power? No problem!

The Scen-tinal SL50 can run  
on solar generated energy!

