VEOLIA

OdoWatch®
Odor Monitoring

OdoWatch®
A Family of Real-Time Odor Monitoring Systems

Electronic Nose (eNose)

The electronic noses (eNoses) quantify odors into odor units and use that information, along with meteorological data, to indicate to plant operators when odors are becoming a problem. By performing real-time air dispersion modeling, the eNose can complete, in minutes, the work of an engineering odor evaluation that typically would require months of costly data collection and interpretation.

Gas Detection Sensor

This is the first automated system with dispersion modeling designed specifically for hydrogen sulfide emission monitoring. Built with sulfNoses (H_2S detectors), the sensor can measure H_2S down to 2 ppb as a perimeter monitor. As a source monitor, it can measure up to 100 ppm H_2S. It can incorporate up to three additional gas sensors, with options for ammonia, methane, carbon dioxide and chlorine, in addition to the hydrogen sulfide sensor.

OdoView™
Odor Complaint Platform

OdoView™ is a real-time odor complaint management platform. Local residents' observations are continuously collected and analyzed to obtain useful information for the operations staff, including a full data file, projection of observations on a satellite map, analysis based on real weather conditions, and reports. This data and information can be used by the owner to optimize the management of their site and reduce odor complaints.

OdoWatch® Technologies Support Municipal Plants in Cities Across the Country
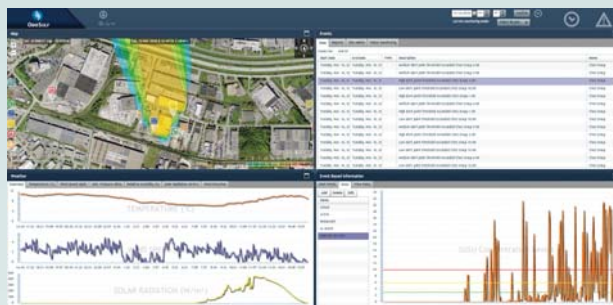

With more than 100 installations in 15 countries, our expertise spans the globe. We combine local expertise and service with global experience.

Electronic Nose (eNose)

Advantages

- Provides knowledge to properly size odor abatement equipment

- Provides information to prioritize capital projects for odor control

- Optimizes odor-neutralizing chemical usage

- Facilitates community relations

- Eliminates current on-site sampling and measurement programs, saving time of operations staff

- Demonstrates good stewardship

- Creates an effective communications tool between the plant and community

Gas Detection Sensor
H_2S, CO_2, NH_3, CH_4, VOC, SO_2

Features

- *Real-time H_2S plume measurement and plume display*
- *All data archived, available at a click*
- *Alerts sent to you by e-mail*
- *Display of onsite weather data*
- *Fully compatible with OdoWatch*
- *Reporting Tool*

OdoView™ Odor Complaint Platform

OdoView™ is a tool for receiving and analyzing odor observations. In addition to facilitating communication between managers and residents, it allows the site operator to take into account odor observations around the site which can help improve the control of odor emissions.

- Diagnostic tool to identify odor sources quickly and efficiently

- Structured and standardized information with reports

- Instant email alert upon notification of an odor input

- Cloud based solution with internet access

- Access from smartphones, tablets, computers

Resourcing the world