Agriculture & Livestock

Air Quality and Odour Monitoring Approach & Solutions

Scentroid provides a comprehensive source detection and monitoring program as part of our odour and indoor-outdoor air pollution management.

Stationary Equipment provide continuous monitoring of indoor and outdoor air quality in and around your facility, providing valuable data on the overall level and distribution of pollution.

Odour Patrol offers an additional layer of monitoring, enabling the detection of hot-spots and a large area in an effectively way, along with providing more granular data on the spatial and temporal patterns of air pollution.

Sensitive Receptors

Track your sensitive receptors, and view the direct effects an emission source may have on them, down to the odour unit per second value!

Tracking Unknown Emission Sources

Using 'Event Triangulation', our SIMS3 platform can pinpoint the location of potential unknown sources. Determine the source of each complaint with this module!

Monitoring Device Perimeter

A typical agriculture/livestock facility requires approximately 3-4 air quality monitoring devices strategically stationed around the facility perimeter based on collected data.

Odor Event Processes

Several facility processess may be directly contributing to errant odours. Use SIMS3 to track the correlation between ambient air pollution and several processes.

Tracking Known Emission Sources

Several facility processess may be directly contributing to errant odours. Use SIMS3 to track the correlation between ambient air pollution and several processes.

Odor Complaints

Once odour complaints are filed, SIMS3 will collect them and present them in a visual, mappable format. SIMS3 will also analyze the contributor of the source that led to the complaint.

Map labels:
- Sensitive Receptor — Local Hospital
- Sensitive Receptor — Shopping Centre
- Sensitive Receptor — Local Restaurant
- Sensitive Receptor — Museum
- Known Odor Source — Chicken Farm
- Odor Complaints — Nearby Residential Plaza
- Unknown Odor Source — Industrial Factory
- Known Odor Source — Cow Farm
- Odor Event Processes — Fertilization
- Odor Event Processes — Harvesting
- Ambient Air Monitor — CTmini
- Ambient Air Monitor — CTmini

AI POWERED
SIMS3

Air Dispersion Modeling

Mathematical simulation of how air pollutants disperse in the ambient atmosphere and performed with a computer simulation of a pollutant dispersion model.

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