

Mining Solutions

Air quality monitoring devices play a critical role in preventing health risks associated with mining operations. These devices allow mining companies to measure the levels of various pollutants in the air, which can help identify potential hazards and implement timely interventions to prevent or reduce harmful impacts.

By using air quality monitoring devices, mining companies can detect elevated levels of pollutants and take action to mitigate the risks. Scentroid can assist you with finding the best mining air quality monitoring solution.

Air Quality and Odour Monitoring Approach & Solutions



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 mining facility requires approximately 5-6 air quality monitoring devices strategically stationed around the facility perimeter based on collected data.



Odor Event Processes

Several facility processes 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 processes 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.



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.