

IDEATION

Gas Leakage monitoring & Alerting system for Industries

1. Harmful gas detection

The sensing of toxic gases such as H₂S, Methane, and CO is of great importance in any industry to avoid unwanted leakage and consequences like poisoning or explosions. The presence of these gases can be easily detected in the industrial facilities and commercial buildings with the help of IoT-powered gas monitoring solution. The sensor-enabled solution helps prevent the high risk of gas explosions and affecting any casualties within and outside the premises.

2. Fire Hazard Prevention

The gas sensors help detect the concentration of the gases present in the atmosphere to avoid hazardous consequences like fire breakouts. Also, it is an imperative solution to keep the plant workers and equipment safe from fire hazards. This proposed system allows the management to take immediate actions to curb harmful fire explosions.

3. Oxygen Level Measurement

A sudden decrease in the oxygen levels can result in dizziness, brain damage, or even death among the workers working in mines or close-packed industrial premises. A gas monitoring system significantly benefits the industries by maintaining proper oxygen levels that reflect the optimal performance of your workers.

4. Real time updates about gas leakage

The proposed system can provide the details about the exact place of gas leakage at the perfect time. The safety department can use this data to solve the issue in the particular area without affecting the work flow of other places in the same industry.

5. Cost effective installation

To install several gas sensors all over the industry will need huge capital. To overcome this, the proposed system will be a perfect solution as it cost efficient and the installation is also very easy. Fault identification and replacement is also made easier in the system.