

Times Infrabuild Monitoring PM Regularly to Enhance Construction Site Safety.

Our Client

Times Infrabuild LLP is a leading real estate developer in Ahmedabad, Gujarat, India. They are renowned for their architectural excellence and commitment to innovation. Their mission is to create exquisite living spaces while keeping the well-being of future generations in mind.



The Challenge

Construction sites are a significant source of air and dust pollution, generating particulate matter such as PM1, PM2.5, and PM10. These particles pose serious health risks to workers on-site and nearby residents. Times Infrabuild LLP wants to measure and understand the extent of pollution generated by their construction activities. For this, they are searching for a reliable monitoring device that can provide accurate, real-time data on air quality. Ensuring compliance with the Ahmedabad Municipal Corporation's air quality guidelines is crucial, as failure to meet these standards could lead to substantial fines. Hence, having an air quality monitor that can precisely and efficiently monitor is essential for maintaining regulatory compliance and safeguarding public health.

The Solution

To address these challenges, Times Infrabuild chose Oizom's AQBot-PM air quality monitor. This industrial-grade device comes with various features. Its IP65 enclosure protects the monitor from harsh weather conditions on the construction site. The on-device display allows immediate access to PM concentration data, eliminating reliance on external displays. It also has proactive alerts a siren and strobe light can be configured to trigger during high pollution events, prompting swift action.

The AQBot-PM provides highly accurate data, essential for detecting even low levels of particulate matter. It is lightweight and easy to install on walls or poles with versatile mounting options. It can seamlessly integrate with existing building monitoring or plant control systems. Relay automation allows automatic dust suppression measures like sprinkling systems to be activated based on real-time data.



The Result

Since installing the Oizom AQBot-PM, Times Infrabuild has witnessed several positive outcomes. It helped them with proactive monitoring and dust suppression automation, which minimized air pollution complaints from nearby residents. The device has helped the company consistently comply with Ahmedabad's air quality guidelines, avoiding potential fines. Real-time air quality data allows for Early Detection and rapid action to mitigate pollution events.

It reduced dust exposure, leading to a healthier and more productive workforce on the construction site. Automation with dust suppression systems minimizes reduced manpower reliance on dust control. By implementing Oizom's air quality monitoring solution, Times Infrabuild has demonstrated a commitment to environmental responsibility and worker safety. The project showcases how real-time data and automation can effectively address air quality concerns in the construction industry.

Oizom is a company specializing in environmental monitoring solutions. They offer products to monitor air quality, weather conditions, and other environmental factors. Utilizing advanced sensor technology and data analytics, Oizom aims to provide actionable insights for construction, industrial compliance, and community awareness. Their solutions can be applied in various sectors including government, industries, and community initiatives.