

Regularly monitoring Dust at Birla Estate's Kalyan Birla Vanya and Walkeshwar Malabar Hill projects

Our Client

Birla Estates, a subsidiary of the Aditya Birla Group, is a prominent name in India's real estate sector. They have constructed and currently manage office buildings in Mumbai, showcasing their ability to handle diverse construction projects. Known for its premium residential and commercial projects, Birla Estates prioritizes efficiency, sustainability, and a customer-centric approach. This commitment sets them apart in the highly competitive real estate field.



The Challenge

Construction sites generate significant dust pollution, which poses health risks to workers and the surrounding community. Construction activities can also lead to regulatory issues and project delays. Birla Estates, committed to responsible construction practices, needed a reliable and efficient solution to monitor dust levels at its Kalyan Birla Vanya and Walkeshwar Malabar Hill projects. Dust particles can irritate lungs, exacerbate respiratory problems, and even lead to chronic illnesses. In addition to health risks, excessive dust can lead to failure to comply with air quality regulations, resulting in fines and project delays. Dust blowing off construction sites can disrupt nearby communities, leading to complaints and negative publicity. Dusty work environments can make it difficult for workers to breathe comfortably, impacting productivity and morale.

The Solution

Birla Estates, committed to responsible construction practices and worker safety, needed a more efficient and effective solution for dust monitoring. We offered Birla Estates our Dustroid Smart for their construction monitoring project to solve the challenges. The Dustroid Smart represents a leap forward in air quality monitoring technology. The Dustroid Smart leverages cutting-edge sensors to deliver highly accurate readings of dust concentration. This innovative technology mimics natural breathing patterns, ensuring representative air sample collection and reliable data.

The Dustroid Smart offers several key benefits:

- **Real-Time Monitoring:** Birla Estates can gain access to air quality data every five minutes through Envizom's user-friendly software platform. This enables them to proactively identify and address any air quality concerns that may arise.
- **Enhanced Data Management:** Envizom's software streamlines data collection and analysis, eliminating the need for manual processes and ensuring data integrity.
- **Advanced Sensor Technology:** Other than standard dust monitoring, Dustroid Smart offers the option to add gas sensors. This provides Birla Estates with valuable insights into the presence of other potential pollutants on the site.



Installation Details

2 Units of
Dustroid Smart

The Result

Birla Estates has been highly impressed with the Dustroid Smart's performance. They have experienced unmatched accuracy with reliable data that dustroid smart delivers, allowing Birla Estates to make informed decisions regarding air quality management. The Envizom software platform simplifies air quality monitoring and empowers Birla Estates to monitor data remotely. By implementing Oizom's Dustroid Smart technology, Birla Estates can foster a healthier work environment for their employees and minimize the environmental impact of their construction activities. This aligns perfectly with their commitment to creating sustainable spaces prioritizing life's well-being.

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.