

Ensuring the well-being of communities with real-time air quality monitoring for Mayfair Housing

Our Client

Mayfair Housing, a well-established name in the Indian real estate sector, is driven by a mission to contribute to nation-building by providing quality, affordable homes for aspiring Indian families. With a history spanning over 60 years, the company has successfully delivered numerous residential projects across the city. With a deep commitment to its guiding principle, S.A.R.A. (Safe Appreciating Reliable Assets), Mayfair Housing continually strives to enhance the lives of its homebuyers and residents. The company's focus on quality construction, innovative design, and customer-centric approach have made it a preferred choice for homebuyers in Mumbai.



The Challenge

Our clients faced significant environmental challenges in urban construction sites, particularly in managing dust and air quality. High levels of particulate matter (PM), noise, and fluctuations in temperature and humidity posed concerns not only for regulatory compliance but also for the health and safety of workers and the neighboring community. Mayfair Housing requires an efficient and reliable monitoring solution to monitor environmental parameters such as particulate matter (PM1, PM2.5, PM10), gases (CO, CO2, NO2, SO2), noise levels, temperature, humidity, and pressure continuously. They were looking for devices that could also send alerts to site managers on harmful dust levels and ensure a safe environment around their construction sites.

The Solution

To tackle these challenges and implement effective strategies, our partner, Technovalue Solutions, recommended Oizom's air quality monitoring systems (AQBot PM & Polludrone) installation for various projects [Mayfair BREEZE Andheri (W), Mayfair Liv Khar (West), Mayfair Virar Gardens Phase-2 Virar (West)], ensuring comprehensive and reliable environmental monitoring. The systems were strategically deployed across the sites, and they are now reaping the benefits while effectively managing air quality. Oizom devices can monitor various environmental parameters, including particulate matter, gases, noise, temperature, humidity, and pressure. Oizom's devices are designed to withstand challenging outdoor conditions and proved ideal for construction sites.

Using Oizom's Envizom cloud software, they are able to access real-time data remotely. Instant alerts enable immediate action, which is particularly valuable in the dynamic environment of construction sites. With Envizom, data can be monitored from any location, providing managers with actionable insights and enabling proactive decision-making.

The Result

After installing Oizom's air quality monitoring solutions, Mayfair Housing experienced various benefits. The real-time data and alerts from Envizom allowed them to consistently monitor dust levels and quickly address any spikes, reducing the impact of dust on nearby communities and ensuring a healthier work environment. With accurate monitoring, they were able to stay compliant with environmental regulations. The constant data flow and instant alerts enabled the team to take proactive actions, maintaining compliance and protecting the health of workers and residents.

Oizom's innovative environmental monitoring solutions provided Mayfair Housing with the comprehensive, reliable data needed to maintain air quality, comply with regulations, and build stronger community relations. The Envizom cloud platform proved instrumental in achieving real-time oversight, making it an invaluable asset for construction site air quality management. By monitoring and managing air quality, Mayfair Housing demonstrated a commitment to minimizing environmental impact and strengthening trust with nearby communities.



INSTALLATION DETAILS

**3 Units of AQBOT
PM & 1 Unit of
Polludrone**

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.