

# Monitoring Ambient Air Quality in AIIMS, New Delhi, to Protect Well-being

## *Our Client*

All India Institute of Medical Sciences (AIIMS) New Delhi is a renowned public medical university in India, widely considered one of the best medical institutions in the country. It's known for its exceptional academic programs, cutting-edge research, and state-of-the-art healthcare facilities. The institute strongly emphasizes research and innovation. Its faculty and students are actively involved in various research projects contributing to medical advancements.



## *The Challenge*

Air pollution, a significant health concern in urban areas, can adversely affect individuals' well-being and reduce productivity. Maintaining a healthy and safe environment is paramount in a busy campus with many students, faculty, and staff members. AIIMS authorities wanted to install a smart air quality monitoring system that monitors multiple parameters, including Dust, harmful gases, temperature, humidity, pressure, and noise levels, within its campus to monitor and manage air quality within the institute. They also needed a reliable and easy-to-maintain solution capable of accurately measuring and tracking air quality parameters in real-time.

### The Solution

To address the air quality monitoring needs of the AIIMS Campus, they selected Oizom's Polludrone. Our device was installed on the premises to monitor a comprehensive range of pollutants and environmental parameters, including PM1, PM2.5, PM10, PM100, CO, CO2, SO2, NO, NO2, O3, as well as temperature, humidity, pressure, and noise levels. The Polludrone stands out for its compact design, user-friendly operation, and low maintenance requirements. Built with durable materials, it is built to withstand harsh weather conditions, ensuring consistent performance. The device delivers accurate, real-time air quality data, which can be easily accessed and analyzed through Oizom's Envizom environmental monitoring software.



### Installation Details

1 Unit of  
Polludrone

### The Result

Installing Oizom's Polludrone at the AIIMS campus has significantly enhanced air quality management, contributing to a healthier and more sustainable environment. By providing accurate real-time data, Polludrone has raised awareness among students, faculty, and staff about the air quality on campus. The institute has empowered its community to stay informed and take proactive steps to safeguard their health. The data from the device can be easily visualized in Oizom's environmental monitoring software with clear and insightful representations of environmental conditions. The Envizom software helps them get detailed air quality reports whenever required, ensuring compliance with government regulations and standards with regular environment monitoring and demonstrating its commitment to environmental sustainability.

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.