

# Empowering Amara Raja Energy & Mobility Limited to Enhance Safety and Efficiency with Oizom's Real-Time Dust Monitoring Solution

## *Our Client*

Amara Raja Energy & Mobility Ltd. is a leading Indian manufacturer of lead-acid batteries that caters to both the industrial and automotive sectors. They boast prestigious clients like Maruti Suzuki, Hyundai, and Tata Motors and export their products to over 50 countries. Additionally, they offer Lithium-ion solutions for electric vehicles and are pioneers in Indian Lithium-Ion technology.



## *The Challenge*

Maintaining a safe and controlled environment in battery production is crucial. Amara Raja faced the challenge of ensuring minimal dust presence to protect both their production processes and the well-being of their employees. Dust particles can impact production quality, damage machines or equipment, and pose health risks to workers.

### *The Solution*

An AQBot for real-time Particulate Matter (PM) monitoring was implemented in the Amara Raja industry. We offer the ideal air quality monitoring solutions to eliminate the need for manual device automation, saving time and labor resources. Provided insights into the efficiency of existing dust control measures, allowing for optimization where needed. The system helped safeguard heavy machinery and equipment from potential damage by minimizing dust exposure. The Envizom software provided the ability to track variations in dust particles of different micron sizes, enabling targeted control strategies. The AQBot system proved a valuable solution for Amara Raja Energy & Mobility Limited. It enabled them to maintain a safe and controlled production environment while optimizing their operations and protecting their equipment.



### *The Result*

Implementing the AQBot system yielded several positive outcomes for Amara Raja. It increased the efficiency of the industry's workers. By assessing the effectiveness of existing dust control systems, they could make informed decisions for further optimizing dust control. Reduced dust exposure helped ensure the longevity and performance of their machinery. With detailed information on dust particle size variations, Amara Raja could implement targeted control measures for specific concerns.

Amara Raja selected Oizom for its automated features, real-time data monitoring, certified calibration, and Mcerts certification, ensuring reliable performance. AQBot is an air quality monitor designed specifically for industries with its innovative single-parameter monitoring system. It allows companies to choose which specific pollutants they want to monitor, saving them money. It also provides real-time data and alerts, allowing quicker response to safety hazards.

Oizom is a company specialising in environmental monitoring solutions. They offer products to monitor air quality, weather conditions, and other environmental factors. Utilising 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.