

Combating Air Pollution in PT Kawasan Berikat Nusantara Industrial Zones with Oizom

Our Client

PT Kawasan Berikat Nusantara (Persero) (PT KBN), also known as Nusantara Bonded Zone Authority, is a state-owned enterprise in Indonesia that manages several industrial estates focused on export-oriented activities. They play a crucial role in facilitating trade and investment in the country. They manage and develop bonded zones (designated areas where imported goods are exempt from customs duties and taxes until re-export or local consumption with duties paid). Provide infrastructure and facilities for industrial activities within these zones, including factories, warehouses, offices, and logistics services. They also facilitate trade and investment by offering administrative support, regulatory assistance, and other services to companies operating in the zones.



The Challenge

As PT KBN oversees the operations of factories, warehouses, offices, and logistics services, providing essential infrastructure and facilities, industrial zones face a significant challenge: air pollution. The activities within these zones, such as manufacturing, trading, and transportation, contribute to environmental degradation. Handling and transportation of goods also stir up dust and release harmful particles. As a result, there's a need to monitor emissions and air quality from different industry surroundings and assess how these activities impact air quality.

The Solution

We equipped them with our Polludrone smart as the ultimate solution to monitor air quality effectively, providing a reliable way to track pollution levels and pinpoint hotspots. Based on the data provided by our device, they are taking proactive steps toward applying stricter emission standards for companies operating within their zones. Polludrone Smart also comes equipped with data analyzing and visualization software- Envizom, which can keep track of the historical data and trends of the air pollutants emitted from different industries.

The Result

With real-time data delivered by Oizom's polludrone smart, they now receive regular updates on the air quality in the area, empowering them to make informed decisions swiftly. The accuracy of our devices enables them to devise appropriate strategies to control pollutants. One such solution involves the development of green spaces and planting trees, which effectively absorb pollutants and enhance air quality. With Polludrone, they can trust our technology to support their efforts in combating air pollution and fostering a healthier environment.



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.