



Oizom's Odour Monitoring Solution Helps a Leading Dairy in UAE Meet Compliance Requirements

The advanced technology and robustness of Oizom's Polludrone made Albawani, one of the largest construction companies in the Kingdom of Saudi Arabia trust Oizom.



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Saudi Arabia

Polludrone

Our Client

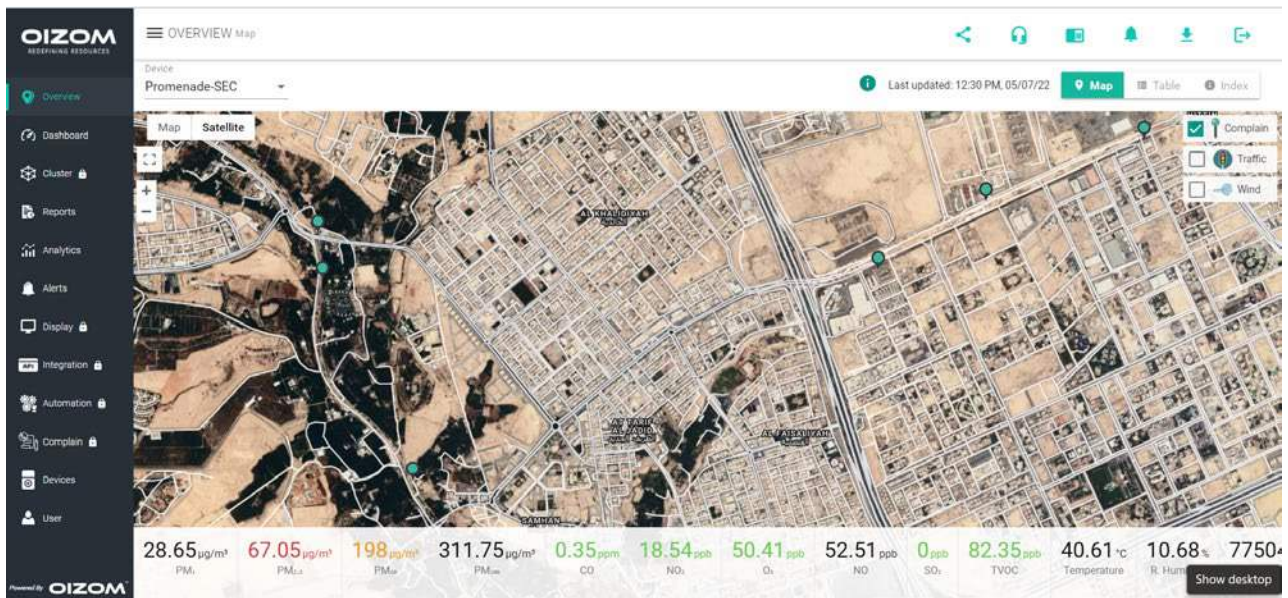
Albawani is one of the leading construction companies in the Kingdom of Saudi Arabia, with a reputation for quality and safety. They are committed to protecting the environment and ensuring the health and safety of their employees, stakeholders, and the community. The company has a workforce of over 14,000 skilled professionals and operates in several countries including the Kingdom of Saudi Arabia, the UAE, Kuwait, and Bahrain. Al Bawani's success is attributed to its commitment to excellence, innovation, and sustainability. Al Bawani has been involved in several prestigious construction projects in the region including the Grand Mosque in Riyadh, King Abdulaziz International Airport in Jeddah, and the Riyadh Metro project, etc. The company has received numerous awards and recognitions for its outstanding performance and contribution to the development of the region's infrastructure.

The Challenge

Albawani was facing the challenge of monitoring air quality and environmental conditions at their construction sites. They needed a reliable and easy-to-use monitoring system that could provide real-time data on multiple parameters such as PM₁, PM_{2.5}, PM₁₀, CO, NO, NO₂, SO₂, TVOC, O₃, temperature, humidity, pressure, anemometer, and rain sensors. The system needed to be able to withstand the harsh environmental conditions of Saudi Arabia, including sandstorms and high temperatures.

The Solution

Albawani chose Oizom for their expertise in providing customised air quality monitoring solutions. Oizom's partner, Saudi Envirozone, proposed the installation of ambient air monitoring stations around different locations within Albawani's construction sites. The Polludrone units are equipped with advanced sensors and technology that accurately detect and track various pollutants in real-time, even in harsh environmental conditions. They can be easily installed and accessed remotely through a cloud-based platform, with low data consumption to access data even in remote areas. With all necessary parameters monitored in a single unit, Albawani can monitor air quality and environmental conditions in real-time without investing in multiple devices.



The Result

The installation of seven custom Polludrones provided Albawani with accurate and reliable data on air quality and environmental conditions at their construction sites. The data helped the authorities to identify potential health and safety risks and take necessary measures to mitigate them. The real-time monitoring system allowed for quick response times and ensured that workers and the environment were protected. Overall, Polludrone's ability to withstand the harsh climatic conditions and give reliable data accessibility proved to be exactly what was required by the Saudi Environment Authority for accurate dust monitoring.