

# Monitoring odour and air quality in Masan Group, Vietnam

## *Our Client*

Masan Group Corporation is among the top three largest private sector companies in Vietnam in terms of market capitalization. The group was founded in 1996 and is headquartered in Ho Chi Minh City, Vietnam. It leads a number of plants for food processing and assembling units throughout the world. The FMCG ranks in various food production and processing across the world. Masan's mission and aim are for sustainable, holistic and clean production of food and distribution.



## *The Challenge*

In a food production unit, high levels of odour, particulate matter, and other gaseous air pollutants are generated. Though the odour does not extend outside the facility, Masan group in Vietnam required an odour monitoring system, in order to ensure optimum hygienic, safe, and comfortable breathing conditions for their employees. Masan has a deodorant system installed across the facility to ease the odour levels if and when they face an influx of odour levels. An odour monitoring equipment with capabilities of automating the deodorant system based on the odour levels was needed.

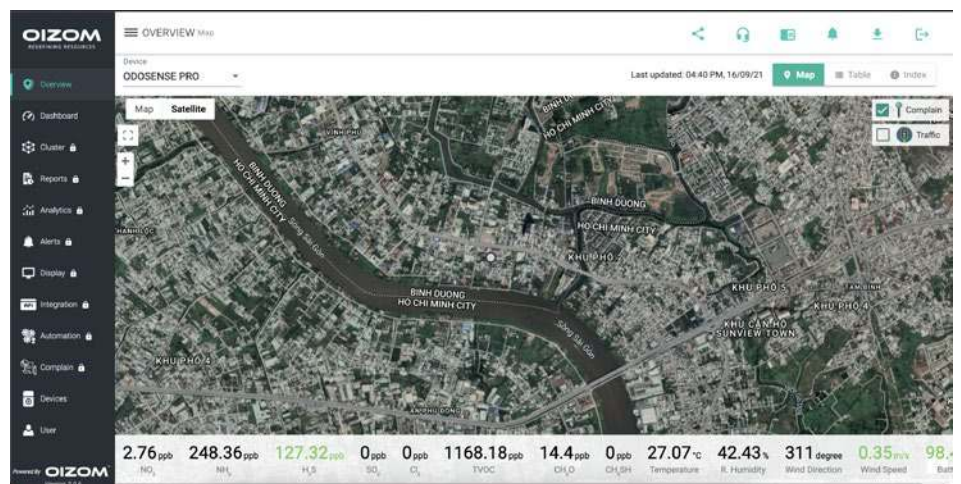
## Installation Details

1 unit of Odosense Pro is installed in the vicinity of the Masan Group's food unit in Vietnam.



## The Solution

Oizom with the Viet An Environment Technology Joint Stock Company offered Odosense Pro to be installed in Masan Group's food production and storage unit. Odosense Pro specialises in detecting odour levels, SO<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub>, and other various gaseous substances that can be customised to the needs of each food processing unit. With threshold-based alerts, the device equipped with Relay triggers the deodorizing system to switch ON or OFF. This saves human effort in manually operating the system based on data.



## The Result

The real-time air quality and odour monitoring features of Oizom's Odosense have helped ensure an optimum working environment for the workers in Masan Group, Vietnam. Automation capabilities via relays ensured no manual dependency on the deodorant system. Threshold-based alerts along with triggers to operate the deodorant system were helpful for mitigating odour nuisance. This has eliminated the need for manual check-ups with every interval, thus, helping the company by saving employees' time, efforts, and manpower.

“The live data from Oizom's Odosense has ensured the environmental air & hygienic standards of the workers to be at par with the company's safety standards, with its exceptional performance.” - Steve Nguyen Hoai Thi, Managing Director

Oizom is an environmental IoT company offering data-driven environmental solutions for better decision making. With our sensor-based hardware, we monitor various environmental parameters like air quality, noise, odour, radiation, weather conditions, etc. Our data analytics platform derives many actionable insights for authorities, communities, and industries. Oizom strives to play an essential role in a sustainable future through smart environmental solutions and data science.