

# Monitoring Air quality at the Mitsubishi Chemical plant in the USA

## *Our Client*

Mitsubishi Chemical America is a leading provider of innovative, high-quality specialty materials, industrial gases, healthcare products, and petrochemicals in the United States. It focuses on delivering cutting-edge solutions for various industries, including automotive, aerospace, medical, and electronics. The company is committed to sustainability and has several initiatives to reduce its environmental impact and promote social responsibility. It is also committed to providing its employees with a safe and healthy working environment. By combining its expertise, commitment to sustainability, and focus on innovation, Mitsubishi Chemical America is a trusted partner in providing high-quality solutions to industries across the United States.



## *The Challenge*

Ensuring the health and safety of its workforce was a top priority for Mitsubishi Chemical Group. The company faced the challenge of bad air quality inside the facility and wanted to precisely monitor multiple air pollutants, including oxygen (O<sub>2</sub>), formaldehyde (CH<sub>2</sub>O), methane (CH<sub>4</sub>), and Temperature, Humidity and Pressure. They required a reliable air quality monitoring system that delivers accurate data on each parameter in real-time, To mitigate pollution and ensure a safe working environment.

### *The Solution*

Our partner Intecon offered them Oizom's Odosense as the solution and installed fourteen units in the Mitsubishi chemical plant's facility to address its air quality monitoring needs. They chose this cutting-edge device for its high-quality sensors and accurate data collection, providing real-time data on the air pollutants inside the facility. It monitors a wide range of air pollutants. It continuously monitors O<sub>2</sub>, CH<sub>2</sub>O, CH<sub>4</sub>, and Temperature, Humidity, and Pressure levels, providing real-time data on air quality conditions. Additionally, they subscribed to different Envizom modules to get real-time data on air quality and notifications on their smart devices.



#### Installation Details

14 Units of  
Odosense

### *The Result*

Real-time monitoring of air pollutants with Odosense allows for immediate identification and mitigation of potential hazards, safeguarding the health and well-being of employees. It also helps them comply with regulatory standards and ease of use, streamlines monitoring processes and reduces operational costs. With Envizom software, they collect data comprehensively and make informed decisions regarding ventilation, process control, and overall safety measures.

Envizom modules help them visualize and analyze data easily and generate reports of each parameter whenever required. Alert and notification modules enable them to be notified when the threshold is exceeded. Based on their positive experience with the system, they plan to add more Oizom devices to another facility.

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.