

## Client



## Location

Palava City (Near Mumbai)

## Application

Smart Campus Monitoring.

## Problem / Purpose

Palava City Management Association comprises of the Citizens of Palava and expert city administrators who are responsible for the whole urban planning and well-being of the residents. It came to PCMA's attention that a few residents were experiencing odour problems in their area.

PCMA turned to Oizom to get at the root of the problem. As Odour and Air Pollution is highly dependent on Wind Speed and Direction, real-time monitoring helps in identifying the emission rate as they occur.

It became PCMA's mission to strictly monitor the Air Quality of the Palava City. Not only they wanted to measure but also showcase the same to their residents to spread awareness.

## Oizom Solution

After a detailed site survey, Oizom experts spotted particulate matters and odourful gases to be the cause of the problem. Thus, Oizom proposed Air Quality Solution combined with Odour Monitor. Among the different versions, Polludrone Smart which measures PM2.5, PM10, CO, CO2, SO2, NO, NO2, O3, Noise, Light was installed at the defined location. Odosense is the most advanced e-nose developed particularly for the odourful components dispersing from Sewage Treatment Plants, Landfill site, Effluent Treatment Plant. After a strategic planning, Odosense was deployed near local STP in Palava City for continuous emission monitoring. Odosense Smart measures SO2, NO2, H2S, CO, NH3, CH4, VOC, CH2O.

For the PCMA Admins to view the data, we set up the Oizom Terminal. The Cloud-based application helps visualize AQI data hourly/monthly in a user-friendly manner.

The Admins can define intervals for the automatic report generations and get real-time alerts. At Oizom, we are engaged in the Environmental Solution cycle from identifying the problem to provide a solution. Now, to spread public awareness; Oizom setup a 2x3 feet Outdoor LED display. This Display is framed in a beautiful casing and shows the real-time and 24-hour avg data of Air Quality of Palva. Oizom, having a superior tech stack available, designed custom screens for LED TVs that presented Air Quality Data in an attractive manner.



## Impact

As health is a priority for many buyers and as the correlation between health and air-quality is a proven fact, it is only logical to offer accurate air quality alongside other major selling points. It is safe to say Palava City is monitoring Quality of Air to assure Quality of Life for their residents.