

# Monitoring Weather in Adani Dighi Port, Maharashtra

## *Our Client*

The Adani Ports and Special Economic Zone Ltd. Acquired the Dighi Port which is 100 km away from Mumbai, Maharashtra. It Adani Group has plans to invest \$1.8 Billion dollars to turn it into a 'new gateway' to Maharashtra. It is interlinked with a number of industries across the world. It is built to serve Oil, Chemicals, containers and Bulk cargo. It has excellent road connectivity and harbours berthing facilities, warehouses, Liquid Tank farms and Open stock-yards for various commodities. It houses a number of workers for construction, fishing and other various activities come on a daily basis.



## *The Challenge*

The Adani Dighi Port hosts a number of cargos and terminals with commodities of all kinds. It is important for a Seaport that monitors the temperature, humidity, UV, light, wind direction, and wind speed to understand the weather conditions and tidal waves' behaviours. However, the Adani Dighi port did not have such a monitor that could also transfer data on a real-time basis to the Adani Port's display devices. Having flexible network connectivity options for accessing the information from the device was also crucial.

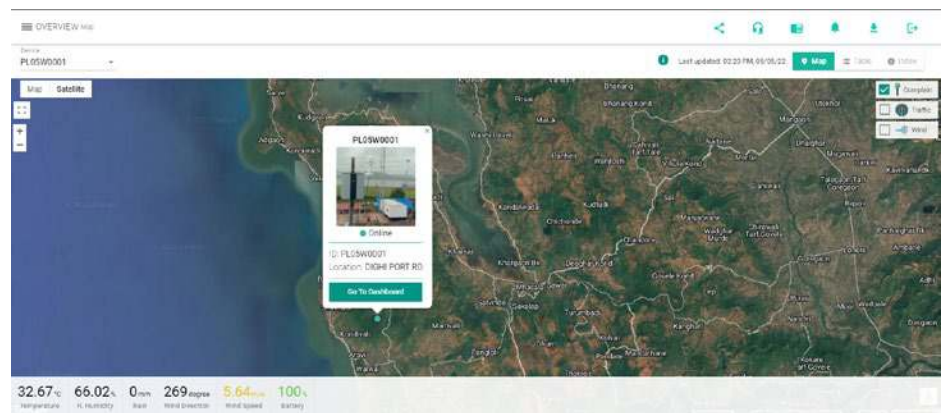
## Installation Details

Weathercom was installed in the Adani Dighi Port, Maharashtra.



## The Solution

Oizom with Pollucon offered the Adani Dighi Port to install Weathercom for monitoring the weather conditions like temperature, humidity, UV, light, Wind speed, and wind direction. The Adani Ports in Goa and Kandla have Oizom's Weather Monitoring Station for monitoring the weather conditions and wind direction. Weathercom is equipped with a robust body that can endure harsh weather conditions of the seaport. It has a wide range of network connectivity like GSM, Ethernet, MODBUS, etc. for sharing the data. Additionally, it also comes equipped with Data Analysis & Visualisation software that can showcase historical data on the weather and formulate trends on the same. This helps the authorities in tracking the weather conditions and warning the crew in case of any potential storms.



“Oizom’s continuous meteorological monitoring instrument is very useful to us for knowing short time period changes in atmospheric weather such as temperature & humidity. This is very helpful to us to study its Rain and wind flow at Ports.” - Mr.Nandu Suthar, Senior Engineer, Adani Ports

## The Result

The Adani Dighi Port can now monitor the weather conditions on a real-time basis. The Data Analytics and Visualization software has enabled the authorities to have an overview of the historical data and the patterns of the weather. This has helped them make better decisions that prevent any damage or rust to the materials and cargo. The robustness and accuracy of the weather monitoring station have proven to be reliable yet again.

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.