

# Monitoring the weather on a real-time basis in Dholera Smart City

## *Our Client*

The Dholera Industrial City Development Limited (DICDL) is a Public incorporated on 28 January 2016. It is classified as a State Govt company and is registered at the Registrar of Companies, Ahmedabad. It is responsible for building and improving various civil engineering and construction of various projects in Dholera. The Dholera Smart City is a vision that the Government of Gujarat wants to fulfil, and for which, the DICDL has been given an impressive amount of investments to make it a reality.



## *The Challenge*

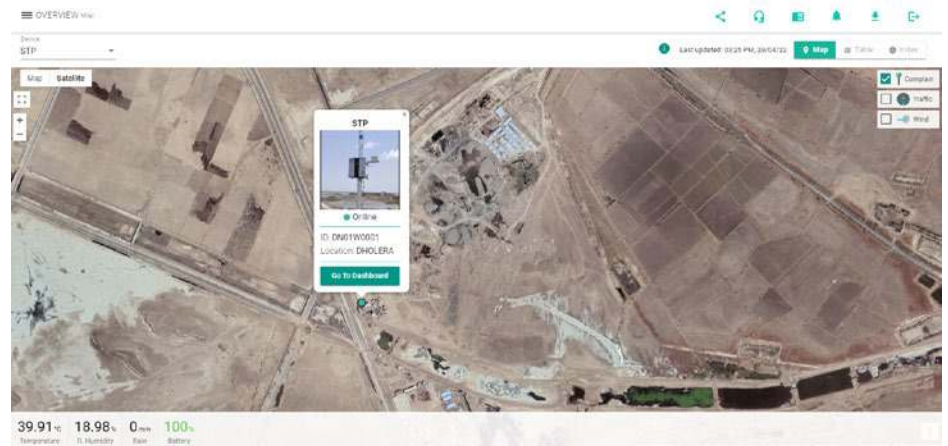
Dholera is situated near the seaside which makes it susceptible to high amounts of humidity and even rain during the monsoon season. It was a high requirement by the DICDL to invest in a weather monitoring station so that the construction projects do not get halted. It was essential that they had a weather monitoring station that could detect humidity, temperature, light, wind direction, wind speed, etc. on a real-time basis. In order to escape natural disasters such as heavy rain and high levels of humidity during construction and other projects, establishing a weather forecasting mechanism was needed.

## The Solution

Oizom with Dineshchandra R. Agarwal Infracon Pvt. Ltd. offered the DICDL to install Weathercom in Dholera, Gujarat, to monitor the weather conditions on a real-time basis. Weathercom is capable of monitoring humidity, UV rays, temperature, light, wind direction, wind speed and even the water levels when it rains. Additionally, it comes with a robust body, which makes it function in harsh weather conditions. Weathercom comes equipped with Data Analysing & Visualisation Software that makes it capable of tracking and analysing the various weather patterns and historical trends of the same. With this, the DICDL can monitor the weather conditions and make decisions for executing their construction projects appropriately.

## Installation Details

Weathercom has been installed in the Dholera next to the Waste Water Treatment Plant.



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“Oizom has successfully installed the device and the rain sensor has been tested properly and showing satisfactory data after the device was started.” - Pallav Parikh (GM - SMART CITY -DRAIPL )

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## The Result

The DICDL is now capable of monitoring the Weather quality on a real-time basis. Its Data Analysing & Visualisation software has enabled the authorities to understand the patterns of various weather parameters. This has helped the governmental bodies and even the city to save themselves against expenditures by planning their construction and being informed of the weather beforehand.

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.