

Client



Location

Davangere, Karnataka (India)

Application

Smart City Monitoring

Problem

Known for its cotton mills, Davangere is considered to be Karnataka's Manchester. The city is a major trading centre in Karnataka where various crops are bought from other districts of Karnataka. As urbanization expanded in Davangere, so did its pollution. The major reason for its dust pollution is poor road quality and improper footpaths. With urbanization, the number of vehicles has also increased on the roads. This further degraded the road quality, elevating the dust levels in the environment.

The rise in atmospheric dust has become a serious threat to people's health as they are inhaling Particulate Matter (PM) frequently. This could pose a chronic breathing ailment, deteriorating their lungs. The authorities need a solution to this menace to reduce pollution and provide better living conditions to citizens.

Oizom Solution

Looking at the increasing dust in the air and the poisonous gas releases, Oizom offered its ambient air monitoring device Polludrone to Davangere. These sensor-based devices are installed across the city to monitor dust and vehicular emission at major regions. The data collected in real-time paints the true picture.

The data can be visualized in VMDs (Visual Messaging Displays), so that common people can track their city's pollution rate and take preventive actions in their daily routine. The data is sent to the authorities to assess the gravity of the situation and make relevant changes in the system.



Impact

The nexus of Polludrone helps in collecting consolidated dust pollution data from the city to represent accurate data. Using real-time data, Davangere plans to offer pollution-free routes and suggestive actions for its citizens.

Oizom Instruments Pvt. Ltd.

306, Indraprasth Corporate, Opp. Shell Petrol Pump, Anand Nagar, Ahmedabad -380015

www.oizom.com | hello@oizom.com | +918866660025