

Real-time Air Quality Mahavir Coal Washer

Our Client

Mahavir Coal Washeries Pvt. Ltd. (MCWPL) is Mahavir Group, incorporated in the year 2007 heavy media bath based coal beneficiation p Chhattisgarh. This means It is responsible for pulverizing the raw coal as per the requireme governmental and private sectors. Their clien the biggest coal producers in the world, nam They are also involved in mining and agglom and manufacturing of other solid fuels.



The Challenge

A Coal washery process includes unloading rascreening and coal washing in a washery unit PM_{2.5}, PM₁₀, SO₂, and CO is emitted into the aires, it could bring about disastrous consequer MCWPL needed an Air Quality Monitoring systemidents of the nearby village that no excess Coal Washeries. It was also important that su parameters' sensors within the same device.



Installation Details

2 units of Polludrone Smart were installed in the Mahavir Coal Washeries, Chhattisgarh

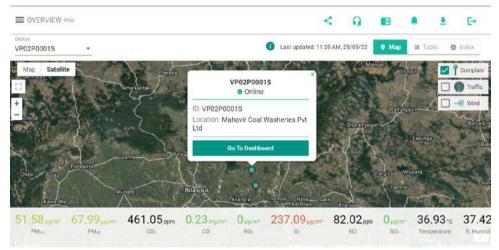


"Product is monitoring PM values accurately in the Mahavir Coal Washeries. The Data Analytics Software is very user friendly and the installation was done hassle-free." - Chait Ram Patel, Service Engineer, SNENVIRO.

77

The Solution

Oizom's partner, Vasudeva PMPL with SN Enviro Tech offered the MCWPL to install 2 units of Polludrone in and around the Coal Washery units. Polludrone can monitor the various dust and gaseous emissions from the Coal washery on a real-time basis. It comes equipped with a Data Analysing and Visualization software (Envizom), which collects the data from the monitor and can display it through the MCPWL's display devices. With this data, they can monitor and ensure the workers and residents of the nearby village of clean air. Polludrone is also robust and compact, which makes it function despite harsh weather conditions, with a minimum need for space.



The Result

The MCPWL is now capable of monitoring the dust and hazardous gaseous air pollutant levels on a real-time basis. The company is now enabled to inform and ensure the workers and residents nearby of clean and safe breathing air. Polludrone has helped the company save time, money and space with its smart, robust and compact monitoring system. Its Data Analytics & Visualization Software has further empowered the company in accessing the various parameter levels of gaseous and dust levels from the Coal washeries on a real-time basis.

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.