

Monitoring Air Quality and Protecting children from critical Pollutants at Easton School District

Our Client

Easton School District is a public school located in Washington state, known for its dedication to providing a comprehensive and nurturing educational environment for its students. Committed to academic excellence, the district offers many programs and resources to support students' growth and development. It offers a variety of programs to cater to diverse student interests and needs, including advanced placement courses, vocational training, and extracurricular activities. It fosters a positive and inclusive learning environment where students feel safe, valued, and encouraged to reach their full potential.



The Challenge

The Easton School District faced the issue of poor air quality and is concerned about its impact on students and staff. Poor air quality not only affects students' health but also impairs their ability to focus and learn effectively while reducing the overall productivity of staff and students. They needed a reliable solution to identify the source of pollution and monitor PM_1 , $PM_{2.5}$, PM_{10} , PM_{100} , CO_2 , CO , SO_2 , NO , NO_2 , O_3 , and H_2S , along with environmental factors. A device that delivers real-time, accurate air quality data and actionable insights. They sought a device to help them with data-driven decision-making processes and educational initiatives and raise awareness among students about the importance of air quality.

The Solution

The Easton School District selected Oizom's Polludrone Pro as their air quality monitoring solution. The Polludrone Pro is a versatile device that can accurately measure various air quality parameters, including particulate matter, gases, and environmental/meteorological factors such as noise, light, UV radiation, temperature, humidity, and pressure. The system also includes weather sensors for wind speed and direction, as well as rainfall measurements.



Installation Details

1 Unit of
Polludrone Pro

The Result

With the installation of the Polludrone Pro, the Easton School District is monitoring air quality and getting accurate data on particulate matter, gases, and meteorological parameters. The air quality data has enabled students and staff to improve their well-being while also being effectively used for educational purposes.

With the real-time data, students are learning about air quality and its significance, fostering greater awareness of their environment. Moreover, they share this vital air quality data with the public using Envizom's Display module, enhancing community awareness and engagement. By installing Polludrone Pro, Easton School District has proactively promoted health, education, and environmental stewardship.

Oizom is a company specializing in environmental monitoring solutions. They offer products to monitor air quality, weather conditions, and other environmental factors. Utilizing advanced sensor technology and data analytics, Oizom aims to provide actionable insights for construction, industrial compliance, and community awareness. Their solutions can be applied in various sectors including government, industries, and community initiatives.