

# Monitoring Multiple Parameters in Real-time with Oizom's Polludrone in Peru

## *Our Client*

Our client, a Peru-based renowned mining company, operates globally. Located in the Arequipa Region of southern Peru, at an altitude of approximately 2,600 meters above sea level. Specializing in producing copper cathodes, copper concentrate, and molybdenum concentrate, this site is a key contributor to Peru's status as a leading copper producer.



## *The Challenge*

The client faced the challenge of poor air quality and wanted to monitor critical environmental parameters within the middle area of their EW warehouse. They wanted to monitor wind speed and direction to understand the patterns and trends near and inside the warehouse facilities. Understanding these patterns could significantly influence operational decisions and safety protocols. The client needed a reliable, real-time monitoring solution that could provide actionable insights while minimizing operational disruptions. Additionally, they needed close monitoring to mitigate potential risks to both personnel and equipment.

### *The Solution*

To address these challenges, Ceneris offered the client Oizom's Polludrone, an advanced environmental monitoring device tailored to their needs. The Polludrone is equipped to measure a wide range of parameters, including particulate matter (PM), carbon dioxide (CO2), temperature, humidity and pressure (THP), noise levels, light intensity, UV radiation, and, most importantly, wind speed and direction. The device was strategically installed in the middle area of the EW warehouse to ensure accurate and comprehensive data collection. With ease of installation and minimal maintenance requirements, it further streamlined its integration into the client's operations. The Envizom provides real-time monitoring and remote data visualization, eliminating the need for repeated site visits.



### Installation Details

1 Unit of  
Polludrone

### *The Result*

The installation of Oizom's Polludrone delivered significant benefits to the client. It provided reliable and accurate environmental data, enabling clients to make informed decisions critical to their operations. The ability to monitor data remotely from their office greatly reduced the need for on-site visits, saving time and resources. By leveraging Oizom's state-of-the-art technology, the client enhanced their operational efficiency and reinforced their commitment to environmental responsibility.

With access to real-time insights through Envizom, the client could develop proactive strategies to address unfavorable conditions, ensuring the safety of their personnel and the smooth functioning of their operations.

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.