Oizom's Polludrone Installed at Stonecraft Hyderabad Campus for Real-time Monitoring

INTRODUCTION: *Elevating Transparency and Sustainability at Stonecraft Campus*

In today's environmentally conscious business environment, transparency, sustainability, and data-backed operations are essential. Stonecraft Group, a reputed leader in sustainable infrastructure and green architecture, demonstrates this mindset through the adoption of smart environmental technology on its flagship campus in Hyderabad.

To strengthen its green commitment, Stonecraft installed Oizom's Polludrone, an advanced, continuous ambient air quality monitoring system. The primary goal was to monitor environmental health parameters, ensure a safe and productive workspace, and provide stakeholders with real-time air quality insights via their website.

Stonecraft
Group

THE CHALLENGE: *The Roadblocks to Responsible Air Quality Management*

As Stonecraft Group expanded its reach, environmental performance became a visible component of its brand. While the campus was surrounded by greenery, they still wanted to validate the air quality in measurable terms. This was especially important with the rising awareness among clients about sustainability practices.
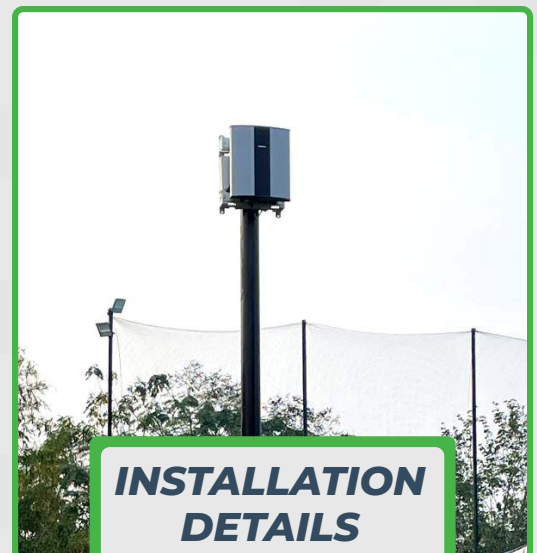
The company faced a few specific challenges:

1. **Lack of Real-time Data:** Without live monitoring, it was impossible to identify fluctuations in air quality or respond swiftly to pollution spikes.
2. **Brand Trust & Transparency:** Stonecraft's sustainability reputation required visible, reliable, up-to-date proof of their environmental performance to maintain partner and client trust.
3. **Engagement with Eco-conscious Clients:** With growing demand from environmentally aware customers, Stonecraft needed a compelling way to market its commitment to healthy workspaces.
4. **Need for Comprehensive Monitoring:** A solution was needed that could monitor $PM_{2.5}$, PM_{10}, CO_2, CO, SO_2, NO, NO_2, O_3, Noise, Light, UV-Radiation, Temperature, Humidity, Pressure, essential for employee health and operational efficiency.

Despite these challenges, Stonecraft's focus was clear: understand the air quality conditions of their premises in real time, maintain them, and share those insights with anyone interacting with their brand.

THE SOLUTION: *Oizom Polludrone with Envizom Software*

Stonecraft Group chose the Oizom continuous air quality monitor—Polludrone—to ensure the highest standards of environmental monitoring and boost operational efficiency.

1. **Comprehensive Real-Time Monitoring:** Polludrone delivers continuous measurement of key air pollutants and environmental factors, providing a reliable, up-to-date understanding of campus air quality.
2. **Advanced Data Analytics with Envizom:** Leveraging Oizom's Envizom software, the Stonecraft team could seamlessly visualize trends, set alerts for threshold limits, and generate detailed reports with just a few clicks.
3. **Website Integration:** Real-time AQI data is automatically showcased on Stonecraft's website, enabling total transparency and reinforcing their sustainability pledge to clients and stakeholders.
4. **Marketing Leverage:** By publishing AQI data, Stonecraft

INSTALLATION DETAILS

1 UNIT
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POLLUDRONE

positions itself as a campus that values health, well-being, and corporate responsibility, an attractive proposition for environmentally minded clients and partners.

5. **Automated Operations:** Continuous monitoring and automated data sharing eliminated manual errors and provided actionable insights for facility management.

This setup not only helped Stonecraft monitor its internal environment but also enabled them to integrate it into their communication strategy with minimal technical friction.

THE TRANSFORMATION: A Digitally-Driven, Health-Conscious Smart Campus

The combination of accurate air quality monitoring and digital accessibility yielded significant operational and experiential improvements. By transforming how they monitor and display environment data, Stonecraft is leading with accountability and data integrity. This transformation reflected across their ecosystem:

1. **Real-time Pollution Monitoring:** Real-time monitoring kept the facilities team aware of any significant changes in air quality or noise pollution, allowing timely responses.
2. **Data-driven Decision Making:** Custom dashboards in Envizom gave decision-makers non-technical access to relevant insights without depending on external consultants.
3. **Eco-oriented Marketing:** The availability of transparent, real-time air quality data resonates with prospective clients who prioritize green certifications and environmental health.
4. **Operational Efficiency:** Facility teams utilize Envizom dashboards for streamlined reporting and effortless compliance with local environmental standards, saving time and resources.
5. **Automated Air Quality Reports:** Regular report generation from Envizom helped them track air quality performance over weeks and months, supporting internal ESG documentation.

This transformation supports a modern work culture where sustainability is demonstrated through actions, not just claims.

BROADER IMPACT: Leadership in Responsible Campus Development

Stonecraft's initiative sends a strong message across India's architectural and real estate industries. In a world increasingly measured by ESG (Environmental, Social, Governance) metrics, live AQI reporting becomes a tangible benchmark of environmental care.

1. **Healthier Work Environment:** Employees and visitors benefit from a safer, more comfortable environment, positively impacting productivity and well-being.
2. **Data for Impact:** The AQI dashboard, powered by Polludrone and Envizom, informs policy improvements and inspires similar actions across the industry.

By aligning smart technology with its values, Stonecraft has set a benchmark in environmental transparency for commercial campus infrastructure.

CONCLUSION: A Small Step That Created a Larger Impact

By choosing Oizom's solutions, Stonecraft Group has aligned itself with future-ready sustainability practices. This was not a CSR checkbox but a clear effort to create accountability and openness around environmental quality.

The continuous air quality monitor has become an integral part of their campus infrastructure, silently collecting and sharing critical data that informs how people interact with the space. For clients who value clean air, this level of transparency makes all the difference.

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.