Brigade Group Chooses Oizom for Cleaner, Safer Living Spaces

INTRODUCTION: *Creating a Healthy Urban Environment at Brigade Cornerstone Utopia*

Established in 1986, Brigade Group is a leading developer headquartered in Bangalore, with projects spanning residential, commercial, retail, and hospitality segments across South India. From the iconic World Trade Center Bangalore to award-winning integrated townships, Brigade Group has built a reputation for innovation, quality, and customer satisfaction. The group has also been recognized among the Top 100 Great Places to Work in India, further reinforcing its strong employee and community-focused ethos.

Brigade Group partnered with Aimil Ltd. and Oizom to strengthen its commitment to sustainable and healthy living environments. With the installation of Polludrone, a real-time ambient air quality monitoring system at Brigade Cornerstone Utopia, it has taken a forward-thinking step towards ensuring environmental transparency and resident well-being at one of its premium projects in Varthur, Bengaluru.

BRIGADE

THE CHALLENGE: *Protecting Residents and Environmental Responsibility*

Brigade Group was seeking a solution to offer environmental visibility in its premium residential projects. While the construction quality was never in doubt, the ability to transparently showcase ambient air quality conditions to residents, prospects, and stakeholders became essential.

1. **Lack of Real-Time Data:** Residents had no reliable access to live air quality data, limiting their ability to make informed, health-conscious decisions.
2. **Community Transparency:** They wanted to reinforce trust by visibly sharing environmental conditions in real-time.
3. **Regulatory Compliance Needs:** Increased scrutiny of real estate projects requires validated, continuous data logging.
4. **Site Requirements:** The solution needed to blend into high-end residential landscapes without disrupting design sensibilities.
5. **Durability Concerns:** Outdoor installations required robust, weatherproof equipment that could function year-round.

As ESG expectations and community awareness rose, Brigade group identified the need for real-time air quality monitoring that could ensure health, compliance, and engagement. However, key challenges revolved around visibility, data accuracy, and seamless integration into a modern lifestyle environment.

THE SOLUTION: *Polludrone with Envizom for Complete Air Quality Intelligence*

To meet these multifaceted requirements, Brigade Group installed the Polludrone system with the support of Aimil Ltd. at the Brigade Cornerstone Utopia site on Varthur Road, covering key pollutants and environmental parameters. The solution was selected for its design, reliability, and technological innovation, making it ideal for resident-facing air quality initiatives.

1. **All-in-One Monitoring:** Polludrone tracked PM2.5, PM10, CO_2, CO, SO_2, NO, NO_2, O_3, Noise, Light, UV radiation, Temperature, Humidity, and Pressure.
2. **Quick and Simple Installation:** An easy installation setup ensured deployment within days, with minimal disruption.
3. **Live Data Access:** Real-time dashboards were made accessible to both management and residents via cloud platforms.
4. **Smart Integration:** API-ready architecture allowed future compatibility with smart dashboards or mobile apps.

INSTALLATION DETAILS

1 UNIT
of
POLLUDRONE

5. **Patented Technology:** Oizom's solution ensured stable readings across a wide range of environmental conditions.
6. **Display module:** Envizom's display module enables it to showcase live AQI and pollutant levels to residents in common areas, promoting awareness and transparency.

Oizom's Polludrone provided a calibrated, multi-parameter monitoring solution that enabled the Brigade group to showcase its environmental commitment. The solution was fast to deploy, integrated with dashboards, and offered high-accuracy data access for residents and internal teams alike.

THE TRANSFORMATION: *From Compliance to Community Engagement*

With the device fully operational from November 2024, the Brigade group began streaming air quality data in real-time. The solution not only helped with awareness but also strengthened ESG reporting and compliance, while fostering community engagement.

1. **Rapid Deployment:** The system went live within days, ensuring no lag in rollout or monitoring.
2. **Team Enablement:** Facility managers were trained to use the platform for alerts, data review, and reporting.
3. **Proactive Action:** Real-time pollution alerts helped pre-emptively manage events and protect community health.
4. **Displaying Pollution Data:** A screen was installed at a prominent location within the township, helping residents easily view live AQI, PM levels, and temperature-humidity information.
5. **Resident Engagement:** Public access to dashboards increased trust and initiated conversations on environmental care.
6. **Regulatory Reporting:** The data supported ESG documentation and showcased environmental leadership.
7. **Strategic Planning:** They used insights to plan activities and share data in brochures or promotional events.

The transformation was fast, effective, and community-focused. The Brigade group moved from environmental intent to measurable action, using Oizom's device to enable transparency, decision-making, and resident empowerment.

BROADER IMPACT: *Smart Infrastructure Meets Sustainability Goals*

The Brigade group's deployment of Polludrone has created a blueprint for sustainable smart townships that prioritize both data-driven management and community well-being. The broader impact includes:

1. **Trust Through Transparency:** Real-time air quality data enhanced resident trust by openly sharing real-time environmental data and health risk alerts.
2. **Smarter Decisions:** Actionable air quality insights helped residents plan outdoor routines based on pollution trends.

3. **Data That Supports Compliance:** Reliable, time-stamped data enabled seamless ESG reporting and regulatory documentation.
4. **Data Visibility for All:** Public display of live air quality metrics reinforced the township's identity as a citizen-first, eco-conscious living space.

CONCLUSION: Ensuring Resident Well-Being with Environmental Transparency

By implementing Oizom's Polludrone with support from Aimil Ltd, Brigade Group transformed environmental responsibility into a community advantage. The addition of the display module and Envizom software enabled both transparent communication and operational control, delivering value to residents, regulators, and internal teams alike.

As cities grow smarter and citizens demand transparency, real-time air quality monitoring will move from a luxury to a necessity. The Brigade group's early adoption of Oizom's continuous air quality monitoring solution places them firmly ahead of the curve, building not just homes, but healthy and informed communities.

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.