



The Future of Clean: Demand-Based Automation for a Cleaning Rounds

The traditional office cleaning model, governed by rigid schedules and predetermined routines, is ill-equipped for the dynamic and flexible nature of modern workspaces shaped by hybrid work models. This misalignment between scheduled cleaning services and the actual needs of the workplace leads to inefficiencies, negative environmental impacts and experience hampering



The Problem with Schedule-Based Cleaning

Inefficiency: Cleaning crews often service low-traffic areas unnecessarily, while zones with higher foot traffic wait for their scheduled cleaning, leading to potential hygiene issues and resource wastage.

Unresponsiveness: Scheduled cleaning cannot promptly adapt to unexpected needs, such as large post-meeting cleanups or specific high traffic on the floor bathroom, affecting both the office environment and employee satisfaction.

Environmental Impact: Cleaning unoccupied spaces not only wastes resources but also contributes to increased use of cleaning chemicals, enhancing the carbon footprint.

Demand-Based Automation: A Smarter Approach

Adopting a demand-based automation based on real data can revolutionize office cleaning by aligning services with actual workspace usage. pointgrab's advanced ai-based iot sensors, such as the cognipoint™ data sensing system, provide real-time workspace monitor data, enabling a more responsive, efficient, and sustainable cleaning model.

- 1 OCCUPANCY SENSORS:** - Installed throughout strategic office locations, these sensors provide real-time data on space utilization, directing cleaning efforts where and when they are truly needed.
- 2 REAL-TIME TRIGGERS:** The data system can integrate with cleaning rounds planning application to trigger alerts for cleaning based on specific usage thresholds, ensuring immediate response to maintain hygiene and comfort without delay.
- 3 DATA ANALYTICS:** Utilizing the granular data collected, facility managers can develop insights into traffic patterns, project cleaning rounds, develop understanding on cleaning needs and adjust cleaning resources, enhancing operational efficiency and reducing costs.

Benefits of Demand-Based Cleaning

Enhanced Efficiency: Focus cleaning resources on areas with actual traffic, minimizing waste.

Improved Responsiveness: Leverage real-time data for agile cleaning responses,

Cost Savings: Reduce operational expenses through optimized resource allocation and schedule adjustments.

Sustainability: Minimize environmental impact by reducing unnecessary cleaning and chemical use.

Employee Satisfaction: Maintain a consistently clean environment, contributing to a healthier and more productive workspace.

Conclusion

Transitioning to a demand-based system involves an initial investment in sensor technology and integration to cleaning application. An additional use case available when using the Sensing Data System, an intelligent workspace is introducing Green Operations and improved employee experience. Advance facility managers are leveraging workspace technology to address the hybrid workplace realities and gain sustainability and cost effective operations.