

# SMART CLEANING



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# SMART CLEANING ELIMINATES GUESSWORK

No one can dispute the importance of clean bathrooms.

But, how often is cleaning required? Every hour? If bathrooms aren't used, that may be too frequent. If people complain, it's not frequent enough.

## Smart Cleaning Gives You Data to Increase Efficiency and Boost Tenant Satisfaction

Cleaning services often are provided on a set schedule based on a best guess of when a cleanup is needed. Workers clean every restroom and common area with the same frequency — regardless of how often space is used. Tenants typically don't have an easy way to request service between scheduled cleanings or provide feedback.

Ensuring a clean environment is essential to improving the tenant experience — and a better tenant experience means more revenue for property owners and site managers. By moving to a data-driven approach, cleaning providers can tailor services for each space and react quickly to changing conditions.

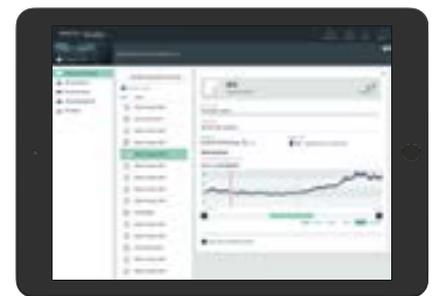
## Track Restroom Usage and Feedback

Sensors track how frequently restroom doors are opened and closed to determine when cleaning is needed. Survey tablets are available so tenants, visitors and staff can request specific cleaning services right away. The requests, along with any comments, are logged and available for action and analysis. Areas in need of urgent attention receive a speedy response.

## Increase Productivity and Satisfaction

Once service providers get a sense of how many restroom visits trigger a need for cleaning, they can tailor schedules accordingly. Service providers can reduce labor and pass savings to clients. They also can repurpose cleaners to perform other vital jobs.

Cleaners in a smart-cleaning environment are guided by effective communication and documentation. They have more control over their work, feel better about their jobs and are likelier to stay in their positions. Reducing turnover helps a company's bottom line.



Cleaning providers and commercial property owners can expect a 30% increase in operational efficiency with smart cleaning.

# CREATE A CLEANING SCHEDULE THAT MAKES SENSE



Greater Efficiency	Tenant/Visitor Satisfaction	Cleaner Empowerment
<p>Tailor schedules based on how often cleanings are needed</p> <p>Reduce labor costs and pass savings to clients</p>	<p>Speedy response to areas in need of immediate cleaning</p> <p>Ability to provide feedback</p>	<p>Control over work</p> <p>Increased job satisfaction</p>

## How It Works

Disruptive Technologies' mini-sensors can be placed in restrooms, kitchens, conference rooms and other high-traffic areas such as lobbies. Tactile sensors are placed within survey tablets in restrooms or common areas where user feedback is requested. Sensors detect when they are pressed and provide a "click" to confirm to the user that the touch was detected. This information provides critical information to site managers so they can ensure cleaning schedules make sense.

Sensors connect securely through Cloud Connectors with built-in cellular M2M and Ethernet and stream data through open APIs into any analytics platform. The Cloud Connectors relay traffic between all sensors in range and the Disruptive Technologies Cloud without the need for any user configuration or intervention.

Disruptive Technologies provides the secure sensor-to-cloud solution, while our partners provide the final application software and services. Disruptive partners are highly skilled teams of experts that provide all levels of support throughout the entire installation, configuration, and analysis process.

## Why Disruptive Sensors

First-generation sensors were bulky, complex and often inaccurate. We've completely rethought sensor design to enable data collection anywhere and everywhere. There's no need to "rip and replace" legacy systems to turn them into "smart" equipment.

- Mini-sensors are the size of a postage stamp
- Low power consumption = long battery life
- Direct connections provide maximum accuracy
- Supports next-gen internet of things (IoT) networks
- Industrial-grade connectivity and built-in redundancy
- End-to-end security built into the design
- Extensible platform to integrate into your systems
- Robust construction
- Cost efficient



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