

INTELLIGENT DISINFECTION

Powered By

Nexos

Enabling Safer Buildings with Intelligent Disinfection Processes

Using the disinfecting power of UV light technology, you can program a cycle to sterilize individual rooms or entire offices during nonbusiness hours quickly and efficiently while there is no occupancy. Give employees and others the confidence of being in a healthy environment.



Maintain a Healthy Environment

Give employees and others peace of mind by program automated disinfection cycles or manually turning on UV disinfection after a room has been in use.



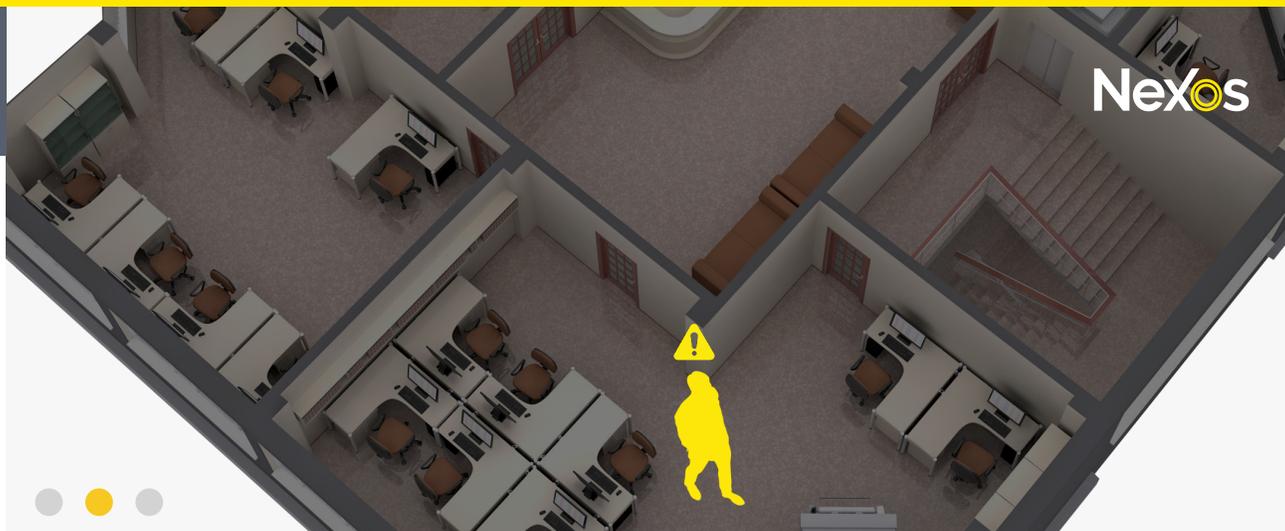
Intelligent Safety Processes

Before initiating the disinfection process, Nexos determines all safety checks are met, pulling data from occupancy sensors, people counting, and door locks.



Automated Disinfection Cycle

Once a space is determined to be unoccupied during the safety checks, Nexos commands the UVC lighting and other sanitizing equipment in the space to initiate the disinfection process.

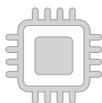


How Our Automated Disinfection Process Works

Using Nexos' built-in flexibility as an IoT smart building platform, the team at Igor developed safety protocols to bring all devices together into an intelligent disinfection solution for Nexos users. Connect the hardware to Nexos – including sensors, access controls, UVC lighting, and more – and let the software run safety checks and trigger disinfection of spaces based on the requirements unique to the buildings.



Continuous
Occupancy
Scan



Initiate Safety Checks

Upon triggering, Nexos reaches out to its connected sensors and devices to run safety checks to ensure the room is unoccupied.



Continuous
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Scan



Prepare UVC Lighting

Once space is deemed unoccupied, Nexos locks the doors from the outside, turns the indicator light outside the space red, and turns on the UVC lighting to begin the disinfection process.



Continuous
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Scan



Begin Disinfection Process

While the disinfection process runs, Nexos continually scans the space to ensure it remains unoccupied. If a person is sensed in the space, the disinfection process is halted.



End Cycle

Upon the successful completion of the disinfection process, the status of the space is deemed "Clean" and all sensors, locks, and other protocols return to normal for occupant use.



Applications & Industries

For the economy and life to return to normal, advanced and widespread disinfection processes are necessary. However, UVC lighting is harmful to people, so it must be paired with intelligent controls to allow for the safe disinfection of public spaces.



Office Buildings

Show your employees you care by installing UVC lighting with market-leading safety precautions in your most trafficked spaces.



Senior Living

Protect our most vulnerable loved ones by installing UVC lighting and tapping into data to predict illness.



Healthcare

Keep your patients & employees safe with UVC disinfection and rely on data to determine effectiveness of disinfection.



Education

Get kids back in the classroom with full UVC disinfection overnight and maintenance disinfection during the day while classrooms are unoccupied.



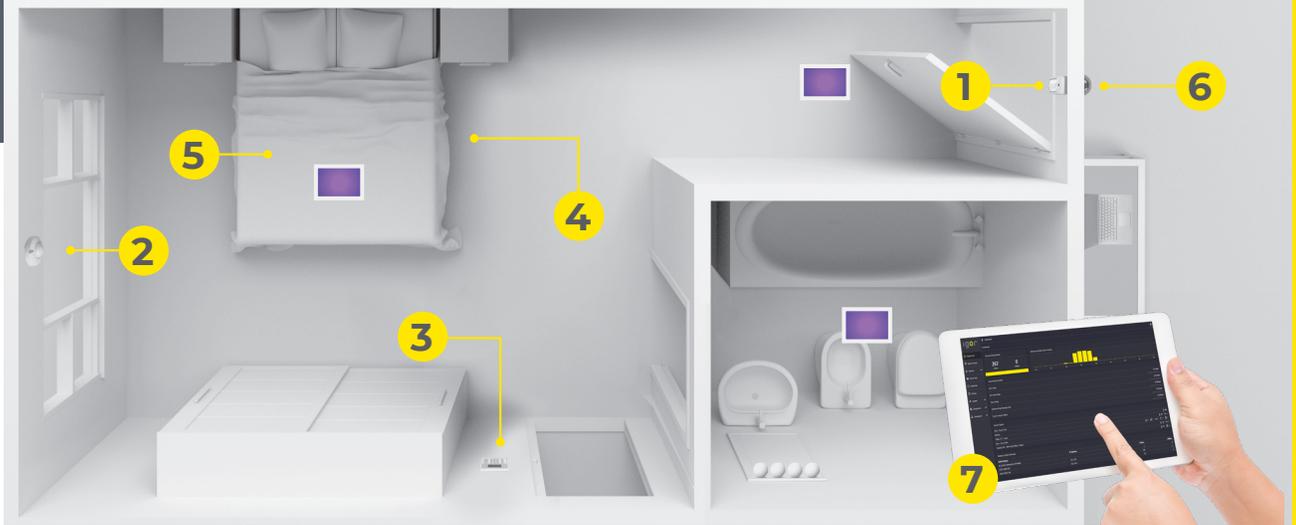
Hospitality

Add UVC disinfection into your process to restore your guests' confidence in your brand and keep employees safe.



Retail

Bring peace of mind to your customers with UVC disinfection and use data from Nexos to enforce capacity limits to reduce the spread of disease.



Put Nexos Integrations to Use in Your Healthcare Facility

1 Occupancy Sensors

Occupancy sensors scan the room to determine if people are present. All occupancy sensors must show a vacant room before sanitization cycles begin.

2 People Sensor

People sensors are configured to identify how many people, adults and/or children, are present within the room, regardless of motion.

3 Present Detection Vital Signs Monitoring Sensor

An additional form of detection, this sensor relies on vital signs to determine if the room is occupied.

4 Pressure Sensors

Pressure sensors within a bed indicate if the user is lying down. Sanitization cycles only begin when the room is deemed empty by motion sensors, occupancy sensors and bed sensors.

5 Igor UV-C Disinfection Fixture

When a room has passed all safety checks, disinfection devices begin the sanitization cycle. Continual safety checks ensure the room remains unoccupied while disinfection occurs.

6 Door Sensors

Once sanitization cycles begin, door sensors monitor if anyone has entered the room. If a door sensor is triggered, the sanitization cycle stops while other sensors scan the room for occupancy.

7 Touchscreen Controls

Touchscreen controls on both sides of the door allow users to control disinfection cycles. All safety protocols remain active even if sanitization is triggered manually.

DIRECT – We work directly with national and global accounts.

OEM PARTNERS – Our certified partners integrate their own products/services and sell Igor-enabled bundled solutions.

RESELLERS – Locate one of our 40+ reseller partners in 30 countries from ITC firms, telcos and BMS providers.

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