

The Siemens logo is displayed in a bold, teal, sans-serif font.

*Ingenuity for life*

# Infection Control for Indoor Environments

A reliable solution for controlling contamination in high traffic and contact areas.

[usa.siemens.com/buildingtechnologies](http://usa.siemens.com/buildingtechnologies)

Keeping indoor environments disinfected is critically important to the safety of everyone that uses or visits your facility. Available through Violet Defense™ and their commercial partners at PURO™ Lighting, pulsed Xenon full-spectrum UV lighting technology provides building owners and operators with a proven, easy-to-implement way to safely and efficiently harness the power of light to kill contaminants in the air and on surfaces. With a variety of products offered through Violet Defense and its commercial distribution partner PURO Lighting, we can provide you with mobile and installed solutions to meet your disinfection needs.

## Proven and effective protection made easy

A reliable, easy-to-implement solution to help disinfect most facilities.

- Manufacturer testing has demonstrated effectiveness against certain viruses and bacteria\*
- Harnesses the germ-killing power of light to kill bacteria and viruses in the air and on surfaces
- Designed to make disinfection easy, system will kill germs in a flash with pulsed Xenon full-spectrum UV light

## Supporting Healthy Environments

As the need for protection and risk reduction expands, we're harnessing our capabilities, expertise, and global network of partners to outfit and supply organizations and their facilities in the following ways:

- Identifying sources of potential contamination and offering effective technology to mitigate the risk
- Developing a holistic approach to create environments so that operations can continue safely and efficiently

**VIOLET DEFENSE™**  
TECHNOLOGY

**PURO™**  
UV Disinfection Lighting

Solution  
Partner

Smart  
Infrastructure

**SIEMENS**

\*Results available upon request.

## Possible Applications

With a proven track record across a wide range of facility types, this solution can be used in the following scenarios:

- Administrative offices
- Conference / meeting rooms
- Elevators / escalators
- Food courts / restaurants
- Kitchens / food handling equipment
- Police or security offices
- Restrooms
- Staff break / locker rooms
- Stairwells
- Waiting areas



### How it works

This solution uses powerful bursts of ultraviolet light, including UV-C, UV-B, UV-A, and violet-blue light, which has been shown capable of killing certain bacteria, viruses, fungi, and mold.

### Benefits

- Compact size that seamlessly integrates into any room or surface
- Optimized cleaning cycle in as low as 30 minutes, depending on space
- Easily integrated into existing Siemens Building Automation (via BACNet) for scheduling and remote verification of completion
- Integrated safety system with multiple built-in motion detectors to stop cycle, if human or animal is present and restart when no motion detected
- No manual handling of UV systems to save labor/time (except mobile unit)
- Long product lifecycle
- Can be combined with other disinfecting solutions

### About Violet Defense

Since its inception, Violet Defense has been on a journey to harness the germ-killing power of ultraviolet light to help protect the world from germs. Its patented technology miniaturizes the deployment of UV light to integrate into almost any product or environment.

### About PURO Lighting

PURO Lighting, powered by Violet Defense technology, offers ground-breaking products that use the power of full-spectrum UV light to rapidly disinfect any enclosed area of viruses and pathogens.

### About Siemens Smart Infrastructure

Siemens Smart Infrastructure brings innovations in smart building technologies to create environments that care in facilities of all types. Our smart infrastructure solutions support the way industry and organizations want to be – efficient, responsible, smarter, and safe.



### Available options include:

- Air Handling Unit
- Ceiling: Hard or drop-ceiling
- Wall-mount
- Portable (on wheels)

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This document contains a general description of available technical options only, and its effectiveness will be subject to field conditions with project parameters defined in a formal contract.

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