

Infection Control in Aviation Environments

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

usa.siemens.com/aviation

Keeping aviation environments disinfected is critically important to the safety of travelers, as well as airport staff. Available through Violet Defense™ and their commercial partners at PURO™ Lighting, pulsed Xenon full-spectrum UV lighting technology provides airports and airlines with a proven, easy-to-implement way to safely and efficiently harness the power of light to decontaminate air and surfaces. With a variety of products offered, 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 airports and logistics hubs.

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

Supporting Aviation

As the need for protection and risk reduction continues, we're harnessing our capabilities, expertise, and global network of partners to outfit and supply airports and airlines 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 travel and logistics 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 in airport logistics, this solution can be used in the following scenarios:

Travel Areas

- Security checkpoints
- Airline lounges
- Restrooms
- Elevators / escalators / moving walkways / stairwells
- Baggage claim
- Food courts / restaurants

Auxiliary Areas

- Staff break / locker rooms / restrooms
- Kitchens / food handling equipment
- Elevators / stairwells
- Administrative / police or security offices
- Baggage handling conveyors



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, fungi, and mold, and inactivating viruses.

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 germicidal 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 for Aviation Environments

Siemens Smart Infrastructure brings innovations in smart building technologies to create environments that care for aviation. Our smart airport infrastructure solutions work to improve the experience of travelers, as well as airport staff, while keeping the safety of those spaces at the forefront.



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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