



We Defend Your Patients & Staff Against Healthcare Associated Infections.

American Green Technology® introduces the unique, patented Health Risk Management System for the healthcare industry. The HRMS is proven to simultaneously and unobtrusively neutralize 99.7% of pathogens (including bacteria, viruses and fungi) 24 hours a day at room level requiring only simple, annual maintenance.

Employing CDC's recommended hierarchy of controls, HRMS eliminates pathogens at the source to enhance patient outcomes and significantly reduce administrative, clinical, and operational costs.

What Are **HAI**s?

Healthcare-Associated Infections (HAIs), are infections acquired by patients, staff, and visitors in healthcare facilities that result from contaminated air and/or surfaces. Additionally, such infections can occur in schools and long term care facilities.

The **Problem**

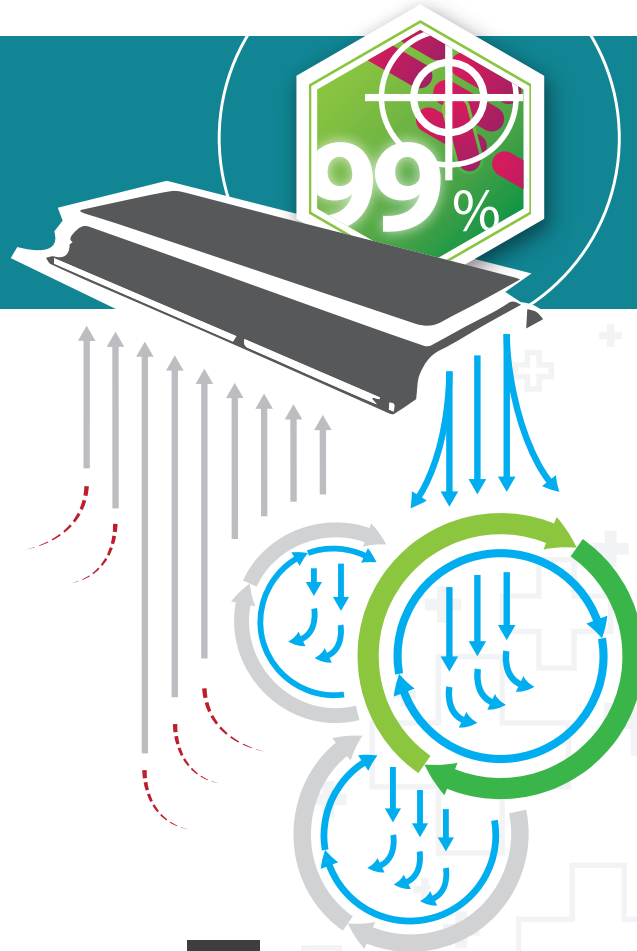
- + 2 Million HAIs Annually
- + 99,000 HAI Fatalities in the U.S. Alone
- + 4th Leading Cause of Death:
More than Breast Cancer, AIDS, and
Auto Accidents **Combined.**

The **Solution**

- + UVC Radiation Chamber
- + 24 Hour Continuous Protection
- + Up to 4 Air Changes per Hour
- + Average 97% **First Pass** Kill Rate
- + Unique, Patented , Effective



The Health Risk Management System - Disinfecting air and surfaces with UVGI, in occupied spaces - all day, every day.



1 PRESSURE

Differential Pressure creates a directional airflow to isolate contaminants in the UVC radiation chamber. Adequate duration and intensity of the UVC achieves up to 97% kill rate in a single pass.

2 FILTRATION

A Merv 6 filter removes large dust particles to ensure optimal performance of the fans, UVC lamp, and optics. Contaminants pass through the filter to the eradication chamber.

3 PURIFICATION

Continuous, 24/7 operation cleans the air up to 4 times per hour. HRMS is up to 99% effective in neutralizing nosocomial pathogens.

4 DILUTION

Continuous purified air changes are crucial to reducing HAI risks. Pathogens are attacked at the source, silently, effectively, and continuously to reduce HAIs.

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The superior performance of the HRMS will enable high levels of air disinfection to be achieved as well as a consequent reduction in the risk of airborne nosocomial infection in any healthcare environment.

Dr. Wladyslaw Kowalski

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OVERVIEW

- A single HRMS fixture will purify the air in a 10' x 10' room, with 8' ceilings, once every 16 minutes (that's almost 4 times an hour).
- This room-level purification system utilizes the patented Arcalux® Smart Fixture lighting system as the delivery platform to irradiate with optimal zonal ventilation and re-circulate air to every corner of the room.
- The AGT Health Risk Management System unobtrusively increases patient outcomes, reduces operational costs, saves energy and most importantly, reduces the bioburden.

FIXTURE FEATURES

- + Easy to install.
- + Does not upset current HVAC system.
- + HRMS uses differential pressure that does not affect HVAC air pressure balance.
- + Reduces the risk of Healthcare-Associated Infections (HAI).
- + Energy efficient system uses less than 100 watts of power.
- + Tool-less maintenance of lamps, filter, and ballast.
- + Proven to eliminate 99.7% of HAI-causing pathogens.

**CONTACT US TO LEARN MORE @
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