

Technical Specifications

- Dimensions: L: 93 x W: 66 x h: 171 (cm)
- Total Weight: 140 kg
- Operating Time: 2-2.5 hours (disinfects 9-10 rooms)
- Battery Charging Time: 4 hours
- Disinfection Coverage: 360 degrees
- Disinfection Time: 10-15 min. pr. room
- Connectivity: Wireless (Wi-Fi based)
- Max Speed: 5.4 km/h
- UV-C Wavelength: 254 nm (UV-C rays)
- Charging Requirements: 220-240 VAC, 50 Hz, 6 Amps
- Safety: Software & Sensors Based
Emergency Stop Button

Applications

- Intensive care units
- Operating theatres
- Emergency departments
- Nursing wards
- Outpatient departments
- Oncology wards

Independently **tested & validated**



IERA AWARD.
Innovation and Entrepreneurship in Robotics and Automation



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IMPROVE PATIENT SAFETY TODAY

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UV Disinfection solution increases patient safety



Kills **99.99%** of all bacteria

Disinfects in **10 min.** *
* for a regular 25 m² patient room, which includes a toilet

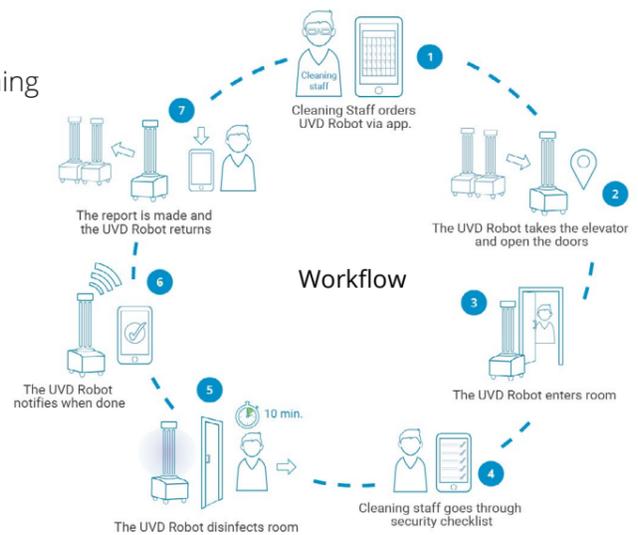
Hospital Acquired Infections are a significant and increasing problem in the global healthcare sector. Each year millions of patients are infected and thousands of patients die due to infections acquired during hospitalisation. Furthermore, HAIs generate a massive financial burden.

The UVD Robot:

- A fully autonomous mobile platform emitting concentrated UV-C light onto high, medium and low touch surfaces in support of normal cleaning routines
- Prevents and reduces the spread of infectious microorganisms in the environment
- Safe, reliable and user friendly operation by hospital cleaning staff
- Reduces hospital acquired infection rates and associated costs

UVC light disinfection technology inactivates any remaining pathogens after manual cleaning processes, such as:

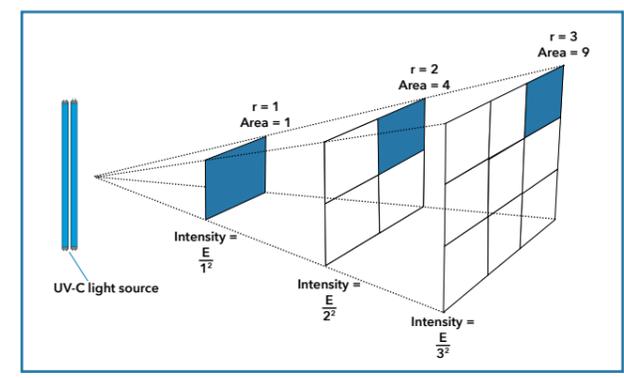
- Clostridium difficile (*C.diff*) incl. spores
- Carbapenemase-producing Enterobacteriaceae (*CPE*)/ Carbapenem-resistant Enterobacteriaceae (*CRE*)
- Methicillin-resistant Staphylococcus aureus (*MRSA*)
- Vancomycin-resistant Enterococcus faecalis (*VRE*)
- Acinetobacter baumannii
- Norovirus



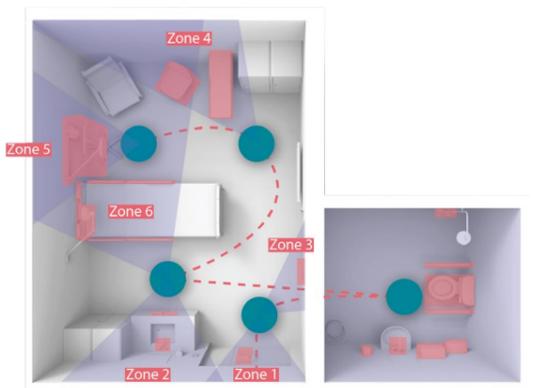
UVC beaming distance is critical

The closer the UVC disinfection device is to surfaces, the greater the intensity. Current UVC disinfection devices available on the market have to be repositioned manually in the hospital room by the healthcare personnel.

The UVD Robot is the only UVC disinfection system on the market capable of repositioning itself in any hospital environment thereby getting close enough to all critical high touch surfaces during the disinfection process.



The inverse square law



Patient room

“The UV-Disinfection Robot is one of the seven cleaning wonders of the world.”



“The UV-Disinfection Robot will improve and simplify the way we currently disinfect patient rooms. And by letting the robot support the cleaning, we aim to reduce the number of hospital-acquired infections, sick leave and - not least - the number of deaths due to infections acquired during hospitalization.”



Key benefits

- Autonomous mobile solution
- Fast and efficient disinfection process
- Easy to install and use
- Standard process without manual influence

The UVD Robot has been tested & validated in a realistic hospital environment at

