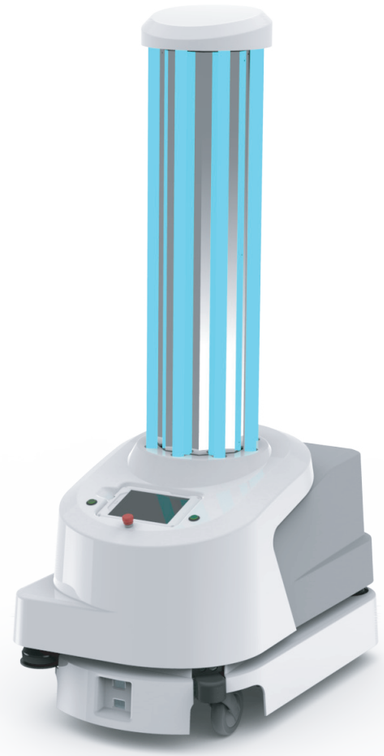
Technical Specifications

- Max Speed: 5.4 km/h
- Battery Charging Time: 3 hours
- Total Weight: 140 kg
- Dimensions: L: 93 x W: 66 x h: 171 (cm)
- Operating Time: 2-2.5 hours (disinfects 9-10 rooms)
- Disinfection Coverage: 360 degrees
- Disinfection Time: 10-15 min. pr. room
- Connectivity: Wireless (Wi-Fi based)
- UV-Wavelength: 254 nm (UV-C rays)
- Charging Requirements: 220-240 VAC, 50 Hz, 6 Amps
- Safety: Software & Sensors Based
  Emergency Stop Button



Tested and validated at:

Region of Southern Denmark

OUH Odense University Hospital

DANISH TECHNOLOGICAL INSTITUTE

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UVD ROBOTS

INFECTION PREVENTION



IMPROVE PATIENT SAFETY TODAY

www.uvd-robots.com

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

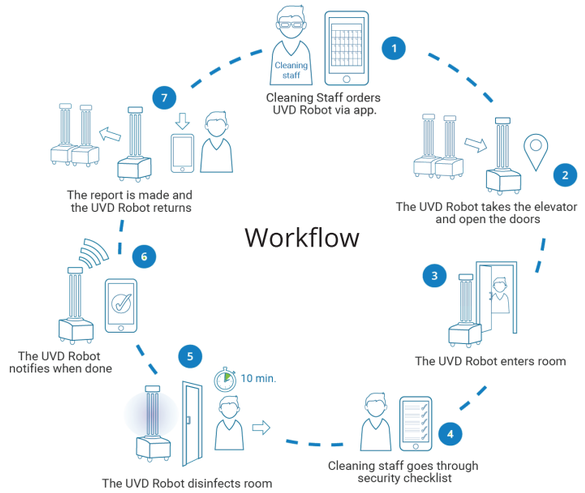
Hospital Acquired Infections are a significant and increasing problem in the global healthcare sector, where each year millions of patients are infected and thousands of patients die due to infections acquired during hospitalization. Furthermore, the HAIs result in significant extra costs for hospitals, due to additional days spent in bed, readmissions and reduced operational efficiency.

The UVD Robot:

- A fully autonomous mobile robot emitting concentrated UV-C light onto infectious hotspots in patient rooms and operating rooms, supporting the normal cleaning routines.
- Prevents and reduce the spread of infectious microorganisms in the environemnt by breaking down their DNA structure.
- Safe, reliable and user friendly as it can be operated by the hospital's cleaning staff.
- Reducing hospital acquired infection rates and operating costs.

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

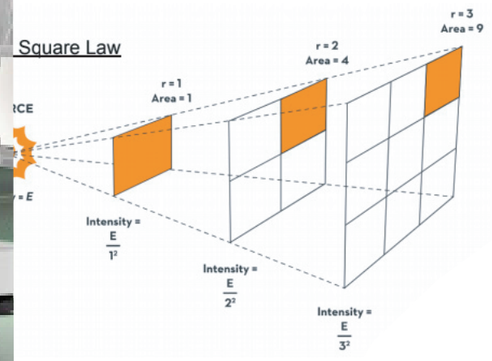
- Clostridium difficile ***(C.diff)***
- Staphylococcus aureus
- Methicillin-resistant Staphylococcus aureus ***(MRSA)***
- Vancomycin-resistant Entercoccus faecailis ***(VRE)***
- Norovirus

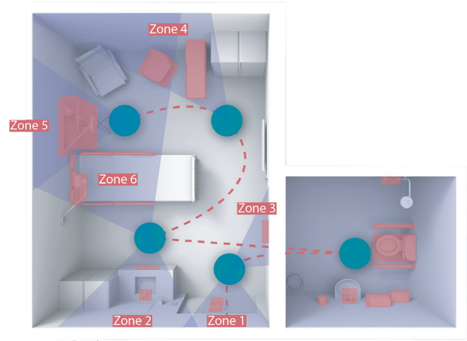


UVC beaming distance is **important**

The closer the disinfection solution can get to the objects, the greater the intensity becomes. Current disinfection solutions on the market have to be placed manually in the hospital room by the healthcare personnel.

The UV Disinfection Robot is the only disinfection solution capable of locating and positioning itself in the hospital room and getting close enough to all critical objects during the 10 minutes of disinfection process.





Patient room

"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.



Peder Jest, Executive Director, Odense University Hospital (OUH)

Key benefits

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