

UVD ROBOT® MODEL B



DIMENSIONS: L: 93 x W: 66 x h: 171 (cm)

TECHNICAL SPECIFICATIONS

- TOTAL WEIGHT.....140 kg
- OPERATING TIME..... 2-2.5 hours (disinfects up to 12,000 m²)
- BATTERY CHARGING TIME.....4 hours
- DISINFECTION COVERAGE..... 360 degrees
- DISINFECTION TIME..... 10 min - Regular patient room incl. a toilet - 25m²
30 min - Large area - 500 m²
- CONNECTIVITY..... Wireless (Wi-Fi based)
- MAX SPEED.....5.4 km/h
- UV-C WAVELENGTH..... 254 nm (Ozone free)
- UV-C LAMP LIFESPAN..... 12,000 hrs of disinfection
- CHARGING REQUIREMENTS....220-240 VAC, 50 Hz, 6 Amps
- SAFETY..... Software & Sensors Based
Emergency Stop Button



VAL EDWARDS JONES
EMERITUS PROFESSOR
OF MEDICAL MICROBIOLOGY

“ The UVD Robot from Denmark is most impressive because of its ability to move autonomously and get within 1m of the surface to be disinfected and also it is capable of moving around objects that can potentially cause shadowing ”



PAUL CLARKE
HEAD OF FACILITIES MANAGEMENT SERVICES
AT ONE OF UK'S LARGEST NATIONAL HEALTH BOARDS

“ For me, UVD robots should be one of the seven cleaning wonders of the world. UV technology is fantastic. I think UVD robots are amazing. The UVD robot will revolutionise preventative cleaning ”



UVD ROBOT®

INFECTION PREVENTION



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IERA AWARD.
Innovation and Entrepreneurship in Robotics and Automation

The UVD Robot is highly effective in the inactivation of harmful microorganisms and it is deployed by hospitals all over the world to protect vulnerable patients from hospital acquired infections. The clinical efficacy of the UVD Robot has been independently tested and validated at the following institutes:

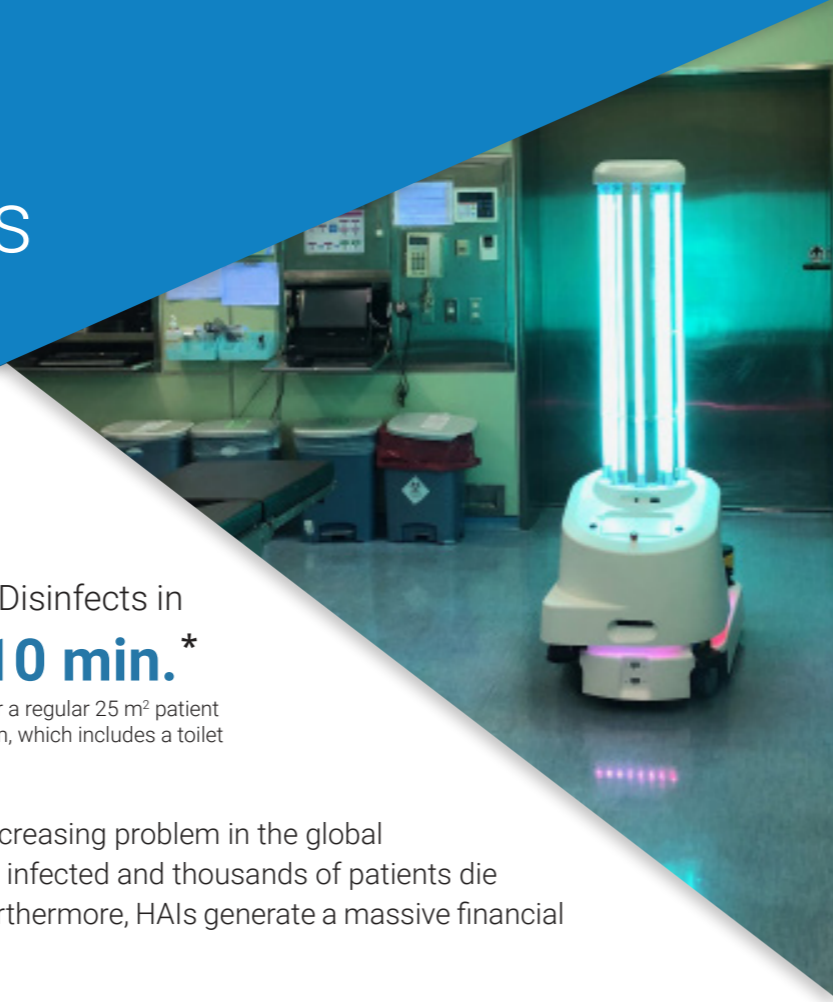


UVD Robots Non-Healthcare V1 - 2020-06 GB

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

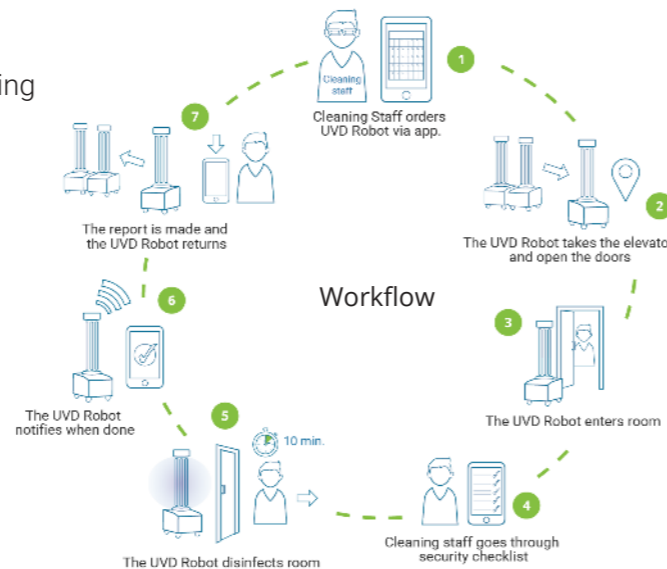
Hospital Acquired Infections are a significant and increasing problem in the global healthcare sector. Each year millions of patients are infected and thousands of patients die due to infections acquired during hospitalisation. Furthermore, HAIs generate a massive financial burden.

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

UV-C light disinfection technology inactivates any remaining pathogens after manual cleaning processes, such as:

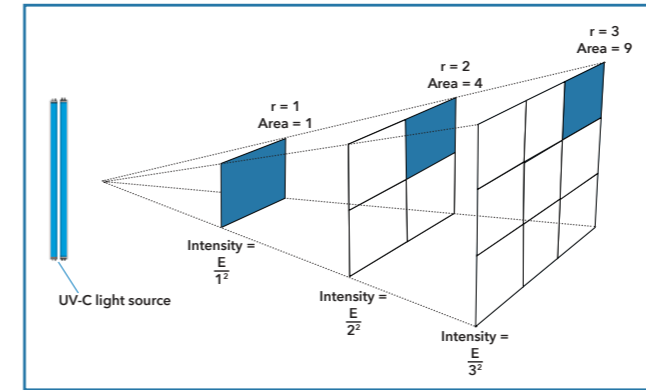
- Clostridium difficile (C.diff) incl. spores
- Carbapenemase-producing Enterobacteriaceae (CPE)/ Carbapenem-resistant Enterobacteriaceae (CRE)
- Methicillin-resistant Staphylococcus aureus (MRSA)
- Vancomycin-resistant Enterococcus faecalis (VRE)
- Acinetobacter baumannii
- Norovirus



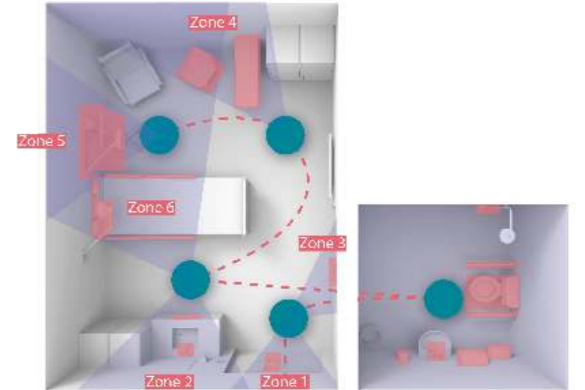
UVC BEAMING DISTANCE IS CRITICAL

The closer the UV-C disinfection device is to surfaces, the greater the intensity. Current UV-C 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 UV-C 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. ”



PAUL CLARKE
Head of Estates & Facilities Management Services,
Betsi Cadwaladr University Local Health Board

“ 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 process without manual influence

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

Region of Southern Denmark
OUH
Odense University Hospital

