

# Ultraviolet light disinfection robot

Heathrow Airport in the UK is deploying virus-killing ultraviolet light cleaning robots in a bid to reduce the risk of coronavirus transmission

## ULTRAVIOLET DISINFECTION ROBOT

## EXAMPLE CLEANSE

■ Cleaning staff request **UVD Robot** via smart-phone app

**1** Robot can operate elevator and open doors

■ Robot locates room to be cleaned, and is checked over by staff

**2** People exit room (UV light is harmful). Robot disinfects room using ultraviolet light to destroy **DNA** of any bacteria or virus that may reside on surfaces

■ Robot notifies staff of completion of cleanse and logs report to app

**3** Robot returns to its base or travels to next job

360° disinfection coverage

Operating time: **2 to 2.5 hours**  
(equal to 9-10 rooms)

Battery charging time: **6 hours**

Top speed: **5.4km/h**

Weight: **140kg**

Price: **\$70,000**

*Heathrow Airport runs UVD robots at night to minimise human interference*

Elevator

Corridor

Shortwave ultraviolet wavelength: **254NM**

Emergency stop button

Room to be cleaned  
(takes 10 mins)

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