

Angel Guard's Michael A.I. unit goes "above and beyond" in the fight against COVID-19

With the spread of Coronavirus one of the most notable risks is the aforementioned 'splashing' from clinical washbasins, which can see surfaces up to two metres away contaminated. Equally, placing objects on basins can lead to infection spread via contamination. 'With current waste systems, the bacteria from within the trap can travel upward into the sink, contaminating the surrounding area when the tap discharges into the basin, and spreading pathogens through splashing.' Another potential risk is 'prohibited' liquids and solids being poured into clinical washbasins; these 'provide an excellent food source' for bacteria, while blocked clinical washbasins may result in 'even greater splashing' of contaminated water across local surfaces.

Even prior to the outbreak of COVID-19, according to the World Health Organization, antibiotic resistance is 'one of the world's biggest threats to global health, food security and development today'. It adds: 'Dr Paul McDermott, a world-leading microbiologist specialising in waterborne pathogens, advises that it is commonly recognised that water outlets such as taps and showers can harbour harmful bacteria, and can transmit these to patients'. Consequently, handwash stations and showers 'need to be treated as medical devices, rather than just sanitaryware'. It also reveals that 'the latest published NHS figures' indicate that at least 4 per cent of all hospital patients will contract a healthcare-acquired infection, with the current average annual cost per hospital 'to try to control the spread of waterborne pathogens', over £1.8 m. However, this cost is, it says, 'insignificant compared with the cost to the hospital of looking after those who have contracted an HAI'. Additionally, while the average NHS inpatient stay length is 2-3 days, this rises to 21 days when a patient has contracted an HAI, 'costing, on average, £38 m, per hospital, per year'. When other 'associated costs' are factored in, Angel Guard say the average annual HAI-related cost to an acute hospital is around £41 m. Against such a backdrop, the video says 'it is clear why a solution is urgently needed'. This need for a solution has never been more relevant than with the outbreak of the Coronavirus with the World taking global action to prevent the virus from spreading further.



Angel Guard's Michael Clinical AI Unit

It has never more urgent to ensure that effective hand hygiene and monitoring of water quality is followed and executed without compromise and with both Angel Guard Units are highly affordable with low monthly payments which include the installation, monitoring and maintenance of the units. With a finance package available through our partners Snowbird Finance, there are no payments for the first six months and immediate risk reduction and protection for your healthcare and public facility.

Now that the Coronavirus has been upgraded to a pandemic with the NHS preparing for potentially high numbers of patients requiring treatment and the known spread of the virus affected by handwashing, the risk of HAIs and the spread of the virus within the healthcare environment is going to be of major concern within the hospitals. This will not only have a financial knock on effect within the NHS trusts, but could also lead to the infection of immunocompromised patients leading to a much higher mortality rate.

"How to prevent spreading Coronavirus and protect yourselves" World Health Organisation

**Angel Guard Units
are available on low
monthly payments
with the first 6
months free!**

Subject to status



Snowbird
Finance Ltd

EXPERTISE | SERVICE | INTEGRITY

Anti-Microbial Easy-Clean Materials

Angel Guard units use material that are naturally anti-microbial. For example the pipework for both the hot, cold potable and waste water is all copper (stainless steel in Scotland). The Hygienic Mixing Valve (HMV) uses new technology and not rubber/plastic to mix the water. The front and sides of the unit are made from toughened glass as is the unique washbasin which makes cleaning very easy. The water outlet is also made from one piece of copper and does not contain any plastic parts, flow straighteners or aerators. It is hidden under a glass cover on top of the washbasin which is also very easy to clean.

Patent Pending Washbasin

Our patent pending washbasin which is based on a unique tubular shape is designed to ensure infection prevention by eliminating splashing – even when a persons hands are interrupting the water flow. This means that water borne bacteria such Pseudomonas aeruginosa cannot easily be splashed onto bedding, patients, sterile apparatus, nurses and doctors clothing, drug preparation equipment etc. The unique concealed tap outlet is hidden and positioned with an air gap so that cleaners and users cannot touch it and cross contaminate. The waste outlet and trap is wider than normal – allowing water to flow directly into the sewers uninterrupted and is fitted with a special device that eliminates trap contents from coming back up into the basin.

Cleaning Protection System

The innovative Cleaning Protection System available on our Michael units not only monitors who is cleaning the unit, for how long and when but it also alerts when unauthorised liquids are poured down the basin, shuts the unit off for decontamination and identifies who has done this so that they can be re-trained.

Infection Prevention Hygiene System

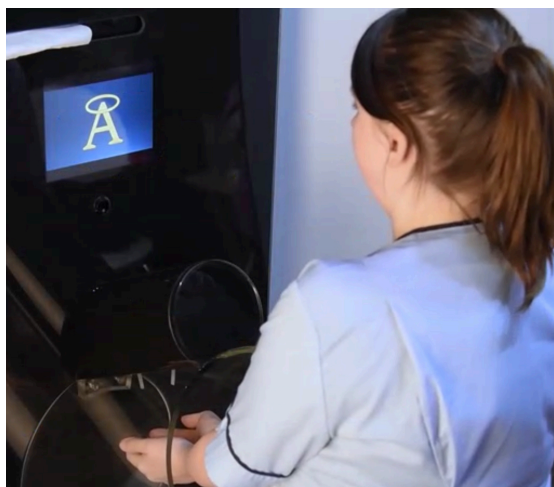
This patent pending system uses innovative technology to guide a user through a full handwash cycle. Using images (Gabriel) and full video (Michael) and a countdown timer each stage of the handwash cycle is represented and carefully monitored. Users are identified (Michael) with full Individual and group handwash history available for review by themselves and Infection Prevention Teams providing real-time and historic data to help ensure high levels of compliance are achieved and lives are saved.



PROTECTION FEATURES



The display on the unit can be programmed to give public health notices whilst not in use.



Our units can be used in healthcare, hospitality, public areas including airports and schools

Additional Information

Counter Measures

All Angel Guard units contain automated counter-measures.. On Gabriel units an intelligent flushing system is provided which will automatically produce a mixed water flush only when risk levels are deemed high enough to require such an action. In addition thermal disinfection can be activated in a secure way whilst being observed by a staff member.

Adding to the features above Michael units also provide automated chemical disinfection of both the hot and cold pipework, the Hygienic Mixing Valve (HMV), tap spout and the waste pipework and trap. It can also deliver a thermal disinfection fully automated without manual intervention.

As an option both units can be pre-installed with Pro Economy copper/silver ionisation systems. This delivers copper/silver ions throughout the unit at point of use To help to keep pathogen levels low during each washing cycle.

24/7 Monitored Alerts

All alerts issued by Angel Guard units are dealt with 24/7 by our fully-trained Guardians. They will check and respond appropriately, liaising with relevant and pre-agreed healthcare staff on site – working together to resolve any issue. If required units can be remotely shut down to help protect vulnerable patients. Trained and fully certified AG Service Scientists can respond quickly to attend the unit on site and provide full support to rectify any problems and help to identify further issues before they arise.

Colony Technology

Angel Guard's patent pending Colony Technology can provide complete protection across the entire healthcare building. Each individual unit gathers data sending it to the AG Cloud. The AG system then identifies AG units within the same area and enables them to speak to each other and risk assess as a cluster of units. This means that if there is a higher risk level detected on one unit other AG units within the same area can be put onto a heightened state of alert – gathering data with a higher frequency and issuing preventative counter measures across a group of units. By doing this it helps to prevent cistemic pathogen contamination across the entire system and in doing so – keep patients safe.