

Applications, examples and field studies

Category	Location	Target	Result
Hospital	Intensive Care Unit (ITU), Queen's Medical Centre, Nottingham, UK	TVCs, (Bacteria only)	Successful "These results suggest that this type of novel air disinfection may have a role in improving air quality and reducing environmental contamination within clinical isolation rooms. Further work is required to assess the effect on specific pathogens, and to establish whether this will reduce the risks of patients and/or healthcare workers acquiring such pathogens from the environment."
	County Hospital, Hereford; Royal Worcester Hospital and Redditch Alexandra Hospital, UK	TVCs, Fungus/Mould. Records of infection from the Hospital	Successful At Hereford County Hospital Norovirus outbreaks have reduced from 17 in 2009 to 7 in 2010, with a 70% reduction in lost bed days. Royal Free: "... environmental air MRSA was significantly lower (25%) than the external control when the device was switched on. The odds of an occurrence of air fungi were no different from the external control, except they were significantly lower (44%) for rooms with the device on."
	St Andrews Centre for Plastic Surgery and Burns, UK.	TVCs	Successful "This evaluation shows a significant reduction in colony counts in settle plates indicating a reduction of airborne microbes following introduction of the Inov8 AD system. Air disinfectant units may play an important role in infection prevention within the Burn ITU."
	Hospital de Barcelona. Spain. Staff and Patient Waiting Areas, Bronchoscopy and endoscopy Examination Rooms	TVCs, Fungus/Mould	Successful Bacterial reduction up to 41%
	San Pier Damiano Hospital, Italy	TVCs/Mould	Successful 65% bacterial reduction 100% mould reduction
	Ajyad General Hospital, Makkah, KSA. ICU (Intensive Care Unit)	TVCs, Fungus/Mould	Successful Bacterial reductions up to 63% Fungus reduction up to 74%

	Apollo Hospital, Bangalore. India. Procedure Room in Microbiology Department	TVCs, Fungus/Mould (some species identified)	Successful Bacteria and fungal growth not detected after operation of the device. "Inov8, the principles of which were based on hydroxyl radical technology, has bactericidal, fungicidal, and probably virucidal properties. It can find a wide application in healthcare set-up."
Dental surgeries	Dental Surgery in Abergavenny, Wales. Patient treatment room	TVCs, Fungus/Mould	Successful 20% reduction airborne TVCs 65% fungal airborne reduction 90, 96% reduction in surface TVCs and fungus
Private doctor's practices	Consultant Paediatrician		Successful "Harley Street Doctors Organization fully supports the use of the system as an additional means of infection control against airborne pathogens and dust mite allergens. The patients and staff have noticed a better quality of air and freshness within the area covered by the system."
Veterinary centers	Vetinair Centrum Somerem BV (Equine Clinic) in Someren, Netherlands. Large operating rooms for horses	TVCs, Fungus/Mould	Successful
	Tussen Mark en Amer (TMA), small animal clinic, Made, Netherlands	TVCs, Fungus/Mold	Successful Airborne: 58% and 42% reduction TVCs and moulds Surface: 82 and 77% reduction TVCs and moulds
Hotels	Hotel complex in Lanzarote. Spain. Bar area, children's Day Nursery and Gents Toilet	TVCs, Fungus/Mould	Successful Up to 96% reduction in air and 92% reduction in surface TVCs
Offices	UK	Infection control	Successful "... the ability to sanitize the air space for the benefit of patients and staff alike provided by the Inov8 AD was irresistible. ... The immediate benefit was that the smell of damp and, intermittently of drains, in the basement was obliterated and all concerned reported a much more pleasant and acceptable working environment."