

The Muv-X

The easy-to-use, award winning Muv-X UV room steriliser is no ordinary steriliser. Independently lab tested, it sterilises effectively and safely.

Using its clever stackable functionality, the Muv-X is scalable to accommodate different sized rooms and surface height requirements. The beauty of this product is that it is portable and can be wheeled from room to room, and stored with little effort.

The Story of the Muv-X

The Muv-X UV room steriliser is the first owned product belonging to CW Applied Technology. Prior to 2020, we worked solely on manufacturing and product development on behalf of our clients. So what led to this transition into own-product development?

The Muv-X was inspired by a request from a leading Irish surgeon – Professor Karen Redmond MB BCh BAO MD FRCS CTh. Professor Redmond is a Consultant Thoracic & Transplant Surgeon, and when the Covid-19 pandemic began to gather pace she put out a request seeking a room ultraviolet steriliser to support her commitment to delivering a safe clinical practice.

Word of Professor Redmond's request reached the team at CW Applied Technology, and as an electronics design and manufacturing company we quickly realised that while the exact product she was looking for might not have been readily available, we could design and build one to fit her purpose. However, we did not want to "jump in" and become a UV steriliser company overnight. Instead we collaborated with a US company – American Air & Water – who are highly experienced in the UV steriliser market. We took ownership of one of their 'end-of-life' designs, and totally redeveloped it; tailoring the device to suit the needs we were aiming to meet. American Air & Water have strong credibility in this market, so by utilising their original design and making it our own we were able to create an effective and reliable UV room steriliser to suit the specific needs of Professor Redmond and other organisations.

Based on Professor Redmond's enquiry, we looked at what is being used in the top healthcare facilities in different parts of the world for exactly the purpose of killing bacteria and viruses. Using this information, we developed a solution which offers **affordability, flexibility and scalability** to help provide much needed reassurance to staff and customers alike.

The Science Behind the Muv-X

Direct exposure to UV-C radiation destroys the outer skin of all viruses and bacteria, rendering them unable to reproduce or to be transmitted any further. UV-C has a long history of use in medical facilities, and is a highly effective and reliable method of disinfection. When the Muv-X has done its work, your room is immediately disinfected and ready for use. With no toxic chemicals, it stops the

spread of Covid-19, CPE and other nasty bacteria and viruses with little time and effort from your staff.

When disinfecting a surface or space, the efficacy of a product is measured by “log kills”. The difference between a single % digit can have a major impact – this is essential to understand when deciding on a product to keep your organisation safe. The Muv-X delivers a 6-log kill dose of UV-C over a 3m radius in just 15 minutes. In layman terms, this means that it kills 99.9999% of microorganisms in that space, which is significantly closer to 100% than many others on the market.

Key Benefits of the Muv-X

- Hospital-grade sterilising technology
- Kills all viruses, bacteria, fungi and mould
- Chemical-free
- Food-safe
- Safe and easy to use
- Mobile: easily wheeled from room to room
- Effortless: simply switch on and leave the room
- Designed and manufactured in Ireland

Certifications & Accreditations

The Muv-X is **CE certified**, and has been independently tested by an FDA approved testing laboratory. It was also awarded the accreditation of **All-Star Innovative Product of the Year 2021** by the All Ireland Business Foundation.

Our Customers

The Muv-X has already been implemented by a wide variety of organisations, including:

- Medical Facilities
- Hotels
- Restaurants
- Nursing Homes
- Schools & Universities
- Retailers
- Sports Clubs
- Corporate Offices

What our clients say

“I will definitely be using this technology in our healthcare service to help manage the tsunami of non-Covid disease.” – Dr. Jonathan Lyne, MB BChir BSc (Hons) MRCP FHRS, Consultant Cardiologist and Electrophysiologist at the Beacon Hospital, Blackrock Clinic and Hermitage Clinic.

“We are using the Muv-X UV cleaner in our boardrooms and reception areas. It gives great peace of mind to know these areas are being thoroughly cleaned and offer reassurance to staff and clients. The unit is easy to use and very portable.” – Geraldine Gray, Gartian Furey Solicitors.