Enhanced UVC disinfection is changing the way health care works by providing hospitals with state-of-the-art technology that helps keep hospital-acquired infections (HAIs) at bay.

Hundreds of hospitals throughout the U.S. have seen real-world results using UVC disinfection. While UVC disinfection is a large part of the programmatic approach to infection prevention, other initiatives must be followed in order for a UVC disinfection program to be successful. In addition to UVC disinfection, hospitals must:

- Implement a stringent protocol for handwashing
- Practice strict antibiotic stewardship
- Clean rooms with traditional methods as thoroughly as possible

If these guidelines are met, UVC disinfection can complement your existing infection prevention strategy.
With HAI rates increasing, more superbugs discovered each year and increased financial accountability for infection rates, it’s critical for hospitals to provide the cleanest environments possible to protect patients and staff from infections.

Cost avoidance associated with HAI supports your efforts to measure quality and cost effectiveness to achieve improved outcomes. Tru-D is the only device on the market that delivers a guaranteed and measurable dose of ultraviolet light to all surfaces in every room, every time. We provide scientifically-validated efficacy and unmatchable efficiency to integrate into existing workflow, as well as a return on investment.
What contributed to your decision to purchase a UVC device?

Our CEO, Dan Kelly, made the initial recommendation to look into UVC devices. As a smaller facility with a low baseline rate of healthcare-associated infections, we were initially unsure of the cost/benefit balance of purchasing a UVC disinfection device. Despite being a small facility, we have some unique features that put us at increased risk for seeing things like multidrug-resistant organisms.

We're seeing some rapid population growth due to increased activity in the oil & gas industry. Due to having a more transient population, our
healthcare system experiences a higher likelihood of seeing multidrug-resistant organisms being imported that are not currently common in the region. We are also planning to add labor and delivery as well as surgical services to our facility and are in the process of recruiting key roles pivotal to providing those services. In addition to our nursing home, these services mean that we will have more vulnerable patients to protect. We will also be doing more invasive procedures than we currently perform. So, as a new and growing facility, we wanted to make sure that we could start out strong regarding patient safety with a prevention approach.

We initially evaluated UVC and Hydrogen Peroxide Vapor systems. While both have great efficacy, we ultimately decided that we wanted a system that was easy to use and could be deployed broadly throughout our system. Minimizing the hands-on time requirements for our small environmental services staff was very important to us. That led us to focus on UVC devices.

**Can you describe the purchase process?**

We performed a thorough comparison of leading UVC devices before our purchase. We evaluated efficacy by performing an extensive literature review of independent, third-party research on the devices. Then we looked at other features such as run times, number of placements required in each room, hands-on environmental services time, room turnover speed, ease-of-use of equipment, training support, customer service, systems costs and consumable costs.

Next, we spoke to other users of the devices to get real-world feedback on the strengths and weaknesses of our top choices. One facility we consulted with was Gibson Area Hospital. Through a bundled approach to infection prevention, they saw the use of UVC disinfection critical to their overall infection reduction goals.

We made sure to get in touch with smaller facilities similar to ours. This was a really critical step for us, as most facilities using this technology are larger systems that might not accurately reflect our needs and capabilities.

The comparison information and our recommendation to purchase the UVC system were shared with leadership. After reviewing the contract, our CEO gave us the green light to proceed with the purchase.
What made you choose continuous UVC disinfection?

After efficacy, choosing a UVC device really comes down to fit. We have a small environmental services staff, and we needed to make sure we were not going to be significantly increasing their workloads with this purchase. The continuous UVC device requires only one room placement and notifies users when the cycle is complete, minimizing hands-on time. We wanted strong customer service support for any issues that might arise.

Beyond the service program, the feedback from other users indicated that the continuous UVC company provided great customer support. We appreciated the fact that the service program spelled out how long the response and resolution times would be for any issues. We also wanted to partner with a company who is willing to help us adapt our utilization throughout our process of growth and expanding services. The team also met that requirement.

How/where do you plan to use the device?

We will not finalize our plans for utilizing the device until we've had a chance to evaluate our facility with our UVC representative. Most likely we will utilize the device for terminal cleaning of all inpatient rooms with a special emphasis on isolation discharge rooms, terminal cleaning of ED rooms where there is a risk of a communicable disease, tub rooms at the nursing home, terminal cleaning of operating rooms, the sterile supply area, dirty laundry rooms and the clinic children's play area.

The Smart Choice.

When evaluating whether to use UVC technologies in your hospital, facility leaders must consider key factors such as cycle time, the distance the ultraviolet light travels and the impact of managing labor productivity required to perform the processes. In addition, hospital leadership should look to independent, third-party studies to validate a device's efficacy.
About Tru-D.

Tru-D SmartUVC is a portable UVC disinfection system that delivers one automated, measured dose of UVC light to consistently disinfect an entire room during one cycle. Tru-D operates from one placement within the room, ensuring significant pathogen reduction in direct and shadowed areas and eliminating the threat of human error in the disinfection process. Additionally, the robot’s cloud-based data-tracking technology transfers usage data to a customized portal to provide real-time results through concise graphics and exportable records. Validated by more than 15 independent, third-party studies, including the only randomized clinical trial on UVC disinfection, which was funded by the Centers for Disease Control and Prevention, Tru-D’s combined automated, measured dosing capabilities and real-time usage-tracking features make Tru-D one of the most precise and advanced automated UV disinfection systems available.

See the proof: tru-d.com/studies