

Valley Health System: UPDATE

Henderson Hospital Expands Indigo-Clean into Outpatient Surgical Suites



“Indigo-Clean has been a great partner in our fight to maintain a safe, clean environment for our patients. There are many disinfectant technologies available, but we feel Indigo-Clean is the right tool to help keep our patients safe.”

– Sam Kaufman
CEO and Managing Director of Henderson Hospital



Indigo Disinfection Mode

Project Summary:

Challenge: To reduce the risk of surgical site infections in Henderson’s Outpatient Surgical Center

Solution: Indigo-Clean M4SEDIC continuous environmental disinfection luminaires

Indigo-Clean Benefits

- Unlike UV devices, the 405nm wavelength of light in Indigo-Clean is safe for patients and healthcare providers, allowing rooms to be turned over more quickly and utilized more often
- Automatic environmental disinfection, which reduces the chance for error, as well as cost of labor and additional cleaning staff
- Indigo-Clean is clinically proven to reduce harmful bacteria in the operating room, including MRSA and C. diff, 70%+ beyond routine cleaning
- Indigo-Clean’s automated operation minimizes human error

Henderson Hospital's New Outpatient Surgical Center Installs Indigo-Clean™ Light Fixtures to Keep Patients Safe



**Indigo-Clean
M4EDI and M4SEDIC Series**



Henderson Hospital believes in the benefits of Indigo-Clean: in 2016, the Nevada Valley Health System (VHS) facility became the first in the United States to install Indigo-Clean Continuous Environmental Disinfection luminaires throughout, including four operating rooms, 2 C-section rooms, a trauma/triage room and 20 exam rooms.

Since then, it has continued to incorporate Indigo-Clean into critical care areas, including both outpatient surgical suites in the newly-completed medical building next door: "We currently have Indigo-Clean environmental disinfection lights in all of our inpatient and outpatient surgical suites and emergency department patient bays," said Sam Kaufman, CEO and Managing Director of Henderson Hospital. Another VHS acute care facility, Spring Valley Hospital, installed the lights in its hybrid operating suite in November 2016.

Kaufman continued, "Indigo-Clean has been a great partner in our fight to maintain a safe, clean environment for our patients. There are many disinfectant technologies available, but we feel Indigo-Clean is the right tool to help keep our patients safe."

Indigo-Clean fixtures use light-emitting diodes (LEDs) to generate ambient white light containing a narrow spectrum of indigo-colored light, which is proven to kill 70%+ of harmful bacteria, including MRSA*

and *C-diff***. This 405 nanometer (nm) wavelength automatically, safely and continuously disinfects the air, and hard and soft surfaces; when the OR is not being used, the lights can automatically switch to Indigo-only mode, providing an even higher degree of safe disinfection.

"We are humbled by Henderson's decision to expand the technology across all of their facilities after using it in the OR for nearly two years," said Cliff Yahnke, Ph.D., Director of Clinical Affairs for Indigo-Clean. "It is a perfect complement to any healthcare facility's current cleaning efforts."

*Maclean M., S.J. MacGregor, J.G. Anderson, G.A. Woolsey, J.E. Coia, K. Hamilton, I. Taggart, S.B. Watson, B. Thakker & G. Gettinby (2010). Environmental Decontamination of a Hospital Isolation Room using High-Intensity Narrow-Spectrum Light. *Journal of Hospital Infection*, 76(3); 247-251. DOI: 10.1016/j.jhin.2010.07.010

**Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, ID Week 2016.

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Indigo-Clean M4SEDIC Features:

- Sizes: 1' x 4', 2' x 2' and 2' x 4'
- Uses 405nm LED light, not UV
- One-piece, sealed housing; smooth exterior doorframe and lens for infection control and simplified cleaning protocol
- Diffused high-efficiency lens reduces glare
- Certifications/listings include IP-65, NSF, ISO5, MIL STD 461G, CCEA approved

Benefits for Henderson Hospital Outpatient Surgical Center:

- Continuous environmental disinfection
- Maintains a safer, cleaner environment for patients
- Simple to use – no special technician or training required
- Does not require consumables

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