



Expert Lighting Group

CASE STUDY



Safeguarding Against Airborne Transmissions In Nursing Care Facilities

CASE STUDY: NEXCARE HEALTH SYSTEMS | THE WELLBRIDGE GROUP

26 LOCATIONS ACROSS MICHIGAN

Nexcare Health System Locations:

Bay City, Durand, Detroit, Mayville, Holt, Southfield, St. Louis, Dimondale, Battle Creek, Jackson, Westland, Saginaw, Clinton Township, South Lyon, and Grand Rapids

The Wellbridge Group Locations:

Brighton, Novi, Fenton, Romeo, Rochester Hills, Pinckney, Grand Blanc and Clarkston

A CUSTOMIZED ULTRAVIOLET SOLUTION

Key Results:

- » Reduction of airborne transmissions and bacteria
- » Enhanced air quality
- » Peace of mind for residents and staff



SOUTHFIELD LOCATION SPOTLIGHT

The cost of our customized UV solution is less than \$13 annually per resident and staff.*

*Results vary per location, occupancy and staff count.

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DELIVERING PEACE OF MIND.



OVERVIEW

NexCare Health Systems is a leading provider of post-acute rehabilitation and long-term care in the State of Michigan. Operating 26 locations, consisting of nearly 3,000 beds, their services include physical, occupational, and speech therapies along with long term care. Their sister company, the Wellbridge Group provides inpatient short-term skilled nursing and rehabilitation services – such as physical therapy, occupational therapy, and speech therapy – after surgery or illness. Both are committed to “EPIC” care focused on excellence, passion, innovation, and care.

With new circumstances brought on by COVID-19, NexCare and the Wellbridge Group, like all nursing home facilities around the country, are needing to enhance their safety procedures. They partnered with Expert Lighting Group to implement a customized ultraviolet solution as part of a larger plan to safeguard against the threat of airborne transmissions yielding cleaner air and safeguarding their facilities.

CHALLENGE

As an industry leader in short and long-term care, NexCare and The Wellbridge Group owners and management have always been early adopters of finding solutions to enhance their facility's operations and safety over the decades. At the height of the COVID-19 pandemic's spread, on a single day in April, 300 residents were positive

in the company's 26 facilities, which amounted to 10% of their 3,000 beds. This led the creation of their “Go Forward” plan to act quickly to develop and enact additional safety procedures and solutions.

“Senior care facilities have been hit very hard by COVID-19 and we are seeking additional measures to prevent the spread and protect our employees, residents and visitors,” said Mike Perry, CEO of NexCare Health Systems. “There are a lot of other measures being taken operationally at the facility level, including this custom UV solution.”

DECODING THE ULTRAVIOLET TECHNOLOGY

Similar to the LED lighting market, not all ultraviolet lights are created equal. The Expert Lighting Group team vets and only selects the highest quality and effective ultraviolet products for their custom-designed solution. Given there are safety precautions to be taken when installing UV-C solutions, expert experience is critical.

“Very similar to when LED lights became popular, the general public has a perception that ultraviolet is a ‘one-size-fits-all’ solution,” said Eric Hansel, President of Expert Lighting Group. “There are factors and best practices that must be considered to ensure both safe usage and maximizing the effectiveness of the UV product. We strongly encourage building owners and operators to consult with an independent consultant, and not try to administer a strategy themselves based on a product sales pitch.”

“Ultraviolet-C in the 254 nanometer range will purify the air and kill airborne pathogens helping to eliminate the transmission of illnesses like COVID-19.”

Eric Hansel, CLEP, MIES, President of Expert Lighting Group



SOLUTION

Partnering with Expert Lighting Group, NexCare quickly implemented a customized ultraviolet system as part of their comprehensive operational safety plan. Expert Lighting Group's team conducted an in depth study of each of NexCare and The Wellbridge Group's facilities.

Expert Lighting Group installed UV-C lights within each of the air handling units across their 26 locations. With this UV lighting system, the air is cleaned 'like a carwash' continuously, 24/7, significantly reducing the spread of airborne transmissions and bacteria.

Ultraviolet technology has been used for decades to kill microbes, including viruses and bacteria. It is a proven and effective tool across many applications to sanitize large spaces effectively and efficiently.

"Ultraviolet-C in the 254 nanometer range will purify the air and kill airborne pathogens helping to eliminate the transmission of illnesses like COVID-19," said Hansel, a Certified Lighting Efficiency Professional. "In many cases, this technology is installed into air handling units or the existing air ducts. That strategy allows for the air to be cleaned continuously. Employees and visitors won't even know that it's operating throughout the building."

PARTNERSHIP

"It's been a good long-term relationship with Expert Lighting Group. Our relationship goes back to upgrading the LED lights within our facilities so we were confident we had the right partner to include in our enhanced safety plan."

Jim Branscum, Principle of NexCare Health Systems and The Wellbridge Group



RESULTS

Cleaner air results in a safer environment for all residents, staff and future visitors. This drastically reduces the threat of airborne transmissions, harmful bacteria and mold.

At NexCare's Lahser Hills location, the cost of the UV solution is less than \$13 annually per resident and staff. To note, these results vary across facilities based on the number of residents and staff but delivers peace of mind within the facilities.

"We are continually seeking the best solutions, whatever it takes, to protect and keep our residents, staff and visitors safe," added Perry.

Expert Lighting Group's team will conduct air quality tests before and after the installation of this customized UV solution to help monitor the results.

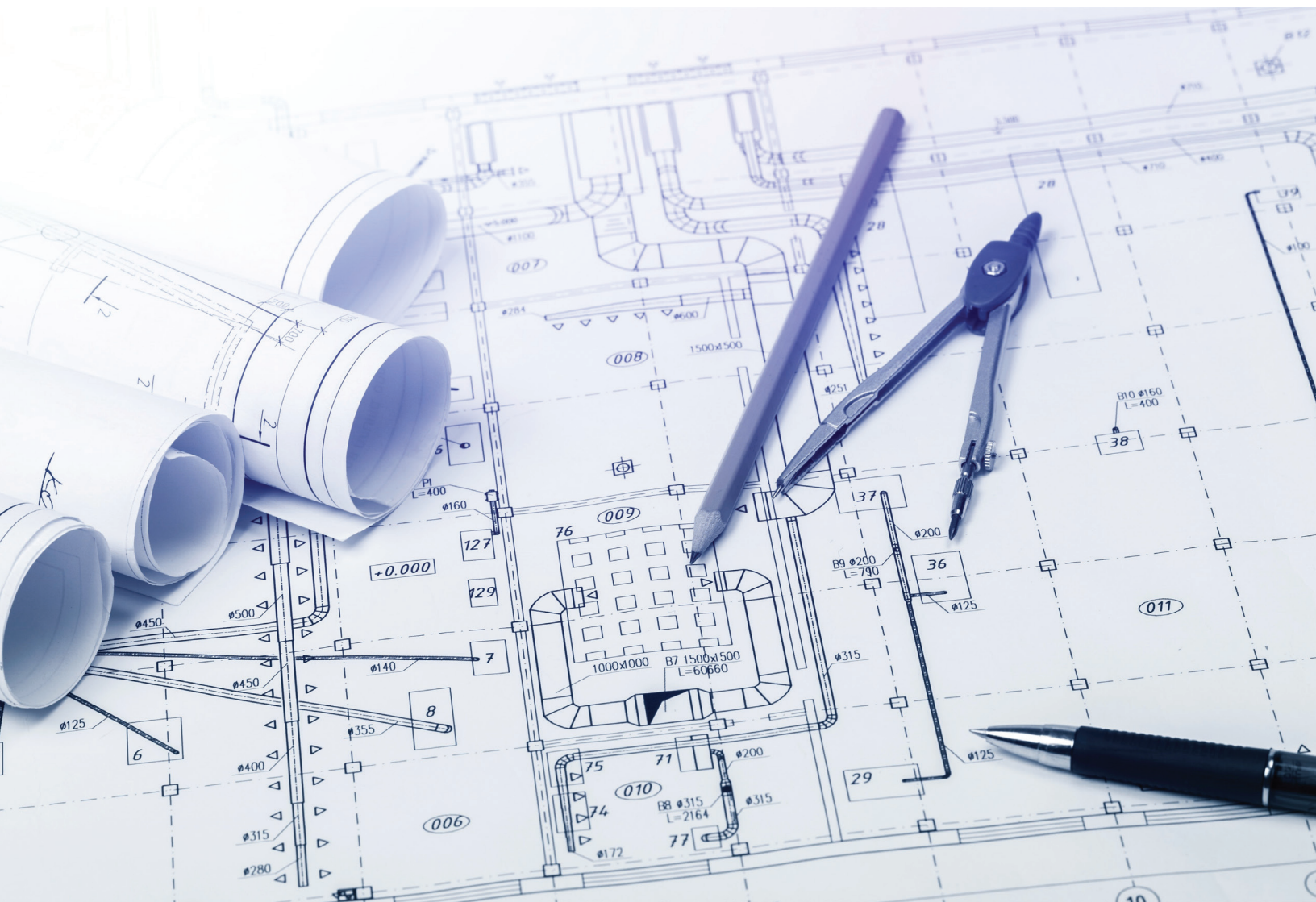




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CASE STUDY

**DELIVER PEACE OF MIND TO YOUR EMPLOYEES, RESIDENTS
AND VISITORS. BOOK AN IN-DEPTH STUDY OF YOUR FACILITY.**



CONTACT US

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