

St. Francis Regional Medical Center Case Study

A photograph of the St. Francis Regional Medical Center building. The building is a modern, single-story structure with a light beige facade and large, dark-framed windows. The name "ST. FRANCIS" is prominently displayed in large, white, three-dimensional letters on the upper right side of the building, with "Regional Medical Center" in smaller letters below it. A red cross logo is visible to the left of the name. A person is walking on a paved path in the foreground, and a grassy area is visible to the right of the path.

ST. FRANCIS
Regional Medical Center



LEADING THE FUTURE OF
LIGHTING + TECHNOLOGY

St. Francis Case Study

Ranked in the top 10% of hospitals nationwide for care and quality, St. Francis Regional Medical Center in Shakopee, MN, anchors a campus that also includes a health and rehabilitation center, two health clinics, a cancer center, a dialysis center, emergency and urgent care, medical and dentistry, and many other services and specialty clinics. Seeking to reinforce its status as a healthcare destination, St. Francis, an Allina Health affiliate, looked to EMC for a lighting and controls solution that provided improved patient and employee experience along with energy savings.

Investment Summary

St. Francis Regional Medical Center

Utility Project Savings

\$58,526

Annual Energy Savings

\$55,398

Annual Maintenance Savings

\$26,968

Annual kWh Savings

\$666,232

The Project

The latest of multiple lighting retrofits for EMC and an Allina healthcare campus to date, it was also the largest and included buildings that were built and expanded over decades. Adding to the project's complexity were additional tenants, each with individual scheduling, communications and project requirements.

The project added more than 40 different interior and exterior solutions. To make sure proposed solutions met intended needs EMC conducted pilot testing in a variety of settings including operating and conference rooms to determine preferred lumen/output levels required by those who work there.

The Solution

To create the desired aesthetics for a wide variety of public areas and patient rooms EMC installed new LED lighting retrofit kits to meet each area's specific needs, carefully working around staff and patients within the 24-hour/7 day a week environment. Lighting in staff support and industrial areas were upgraded to improve energy efficiency.

Exterior solutions include wall packs, flood lights and path lighting to enhance safety and security for the large campus. This comprised 13 different products, with many matching existing lamps and fixtures, ensuring a consistent aesthetic and enhanced safety. The new lighting interfaces with the campus' existing controls system.

The Results

The project, which started fall 2018 with exteriors and winter 2019 for interiors, delivered an immediate 50% reduction in energy usage. This provides an annual energy savings of \$55,398 and annual maintenance savings of \$26,968. In addition to the savings the St. Francis campus now enjoys a fresh new look that enhances their status as a choice healthcare destination for both patients and workers.



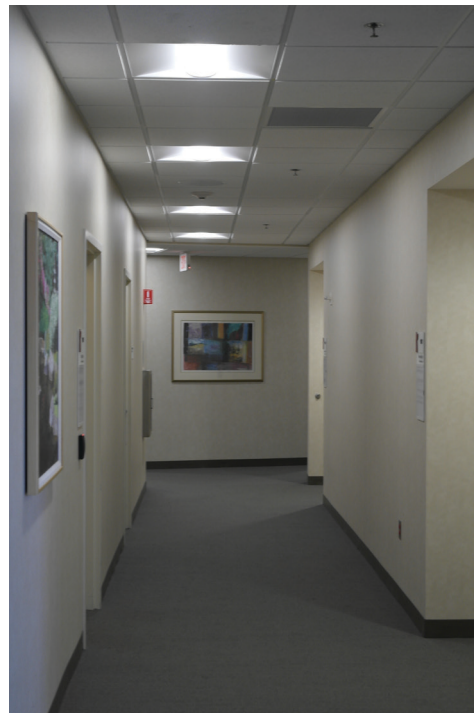
Before



After

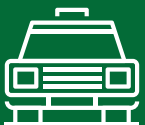


Before



After

Annual Environmental Impact



103

passenger vehicles
driven for one year



85.8

Electricity consumed
by homes for a year



57,433,204

smart phones
charged

EMC Lighting Solutions

Health Care Settings

EMC recognizes that health care settings include busy patient rooms, lab areas that require extremely high levels of visual acuity, reception areas, hallways and parking that convey clear direction, safety and a sense of calm. All require lighting solutions that are both aesthetically pleasing and energy efficient.

- Energy efficient lighting for facility interiors/exterior reduce energy costs while maintaining and enhancing the health care environment.
- EMC offers a vendor-neutral approach to select the best fit and performance for lighting solutions specific to health care settings.
- Exceptional service and maintenance programs are offered to provide support even after the project is completed.
- Expert at managing the time consuming and complicated process for incentives and rebates, EMC ensures all installation activities meet requirements and deadlines to speed up the project ROI.



LEADING THE FUTURE OF
LIGHTING + TECHNOLOGY