

EMC Headquarters

Case Study



LEADING THE FUTURE OF
LIGHTING + TECHNOLOGY

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As a provider of lighting + controls + IoT services, EMC uses its 60,000 square foot headquarters in Plymouth, MN, as a showcase and living lab for the LED lighting, controls and IoT technologies that are core to its business. Recognized by the U.S. Department of Energy's 2021 Integrated Lighting Campaign (ILC), these live implementations of advanced lighting control and integrated lighting solutions demonstrate optimal energy efficiencies with the flexibility for future technology upgrades.

From traditional strategies like occupancy sensing and personal control to advanced technologies like indoor positioning and LiFi, EMC works hard to test and demonstrate all the possibilities lighting has to offer. Visitors to EMC experience vendor-neutral systems and products installed and operating first hand, which helps them make decisions for their own facilities.

With open ceilings throughout the facilities, EMC easily updates various areas of the building with new technologies as they become available. Our understanding runs deeper than just how to install these cutting-edge technologies: We experience the benefits and challenges of living with them on a day-to-day basis.



Best-in-class Technologies

- Eight different controls systems
- Wired and wireless technologies
- Light fixtures from multiple manufacturers
- Controls features include occupancy, daylight harvesting and scheduling
- Personal control over lighting in offices and conference rooms

Comprehensive Installation

- Wireless controls
- CAT/network, 0-10V, DMX wired dimming/control schemes
- Standard relay with 0-10V wiring connecting all other fixtures

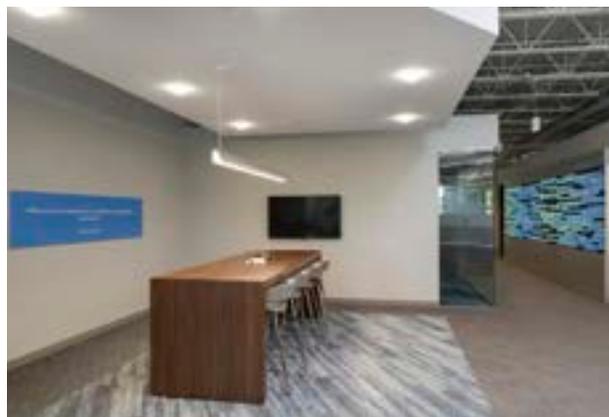
Sustainability from the Start

- Upon initial installation in 2018 EMC shaved more than 20% off annual facility energy costs by making all lighting dimmable.
- Lighting systems automatically adjust to ambient lighting harvested from windows and skylights.
- Scheduling and occupancy sensor systems ensure lighting does not stay on when not in use.

Data Insight

- Informative dashboard
- Monitors energy consumption
- Office and conference room occupancy

An ongoing experiment, EMC's living lab will continue to be updated as new technologies emerge.



Realize the Full Value

Commercial Settings

Take a total approach to Lighting + Technology for all your locations.

EMC has the project management expertise, quality and speed you need to maximize energy and bottom-line savings for your business.

Since 2003 we've helped multinational businesses save billions of kilowatt-hours of energy and maximize their investment in LED lighting and controls to:

- Attract and retain tenants with installations that fit tenants' schedules
- Ensure consistent implementations for hundreds of locations
- Reduce dependence on routine service calls
- Deliver superior utility savings and incentive values
- Enhance work environments, and curb appeal to increase property values
- Maximize the full benefits of product warranties



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