

# EMC Headquarters

Case Study



**ENERGY**  
MANAGEMENT  
COLLABORATIVE

**ENERGY EFFICIENT**  
LIGHTING + CONTROLS + IoT  
SOLUTIONS



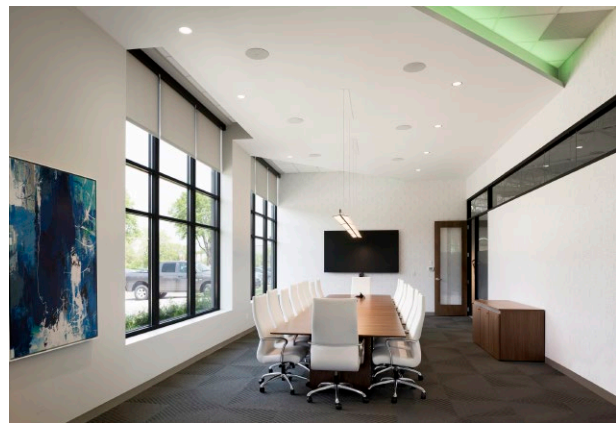
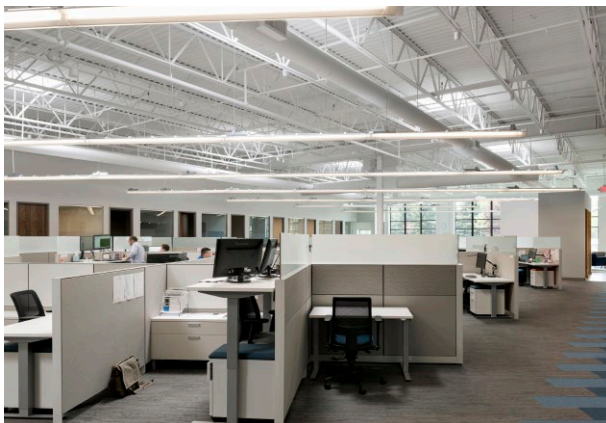
# EMC Headquarters Case Study

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After years of rapid growth, lighting + controls + IoT services provider EMC found itself in need of more space. The company chose to remodel an existing 42,000 square foot building in Plymouth, MN, that would also showcase the LED lighting, controls and IoT technologies that are core to its business.

The office space was designed to achieve optimal energy efficiencies with the flexibility for future technology upgrades.

The new headquarters combines daylight harvesting, scheduling, personal control and HVAC integration to create an attractive, energy efficient work environment. The variety of different branded systems and products installed give the facility the same vendor-neutral solution EMC recommends for its customers.



The facility includes five different controls systems, each operating light fixtures from 24 different manufacturers. Installed two different ways, the control systems tie back to the HVAC system using a BACnet/IP communication protocol where heating and cooling can adjust based on occupancy and/or scheduling.

Throughout the headquarters, a SiteView Energy™ solution provides monitoring of building energy consumption and an informative dashboard demonstrating energy savings. This solution offers instant insight into which offices and conference rooms currently have occupants.

EMC shaved more than 20 percent off annual facility energy costs by making all lighting dimmable. Lighting systems automatically adjust to ambient lighting harvested from windows and skylights, and scheduling and occupancy sensor systems ensure lighting does not stay on when not in use.

Visitors to EMC can see how all different types of fixtures dim, so they can make decisions about what they prefer for their own facilities. With open ceilings throughout the facilities, EMC can easily update various areas of the building to test and demonstrate new technologies as they become available.

## Best-in-class Technologies

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- Five different controls systems
- Light fixtures from 24 different manufacturers
- Controls tied to HVAC system so heating/cooling adjusts based on occupancy and scheduling

## Installation Two Ways

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- Wireless controls
- Standard relay with 0-10V wiring connecting all other fixtures

## Data Insight

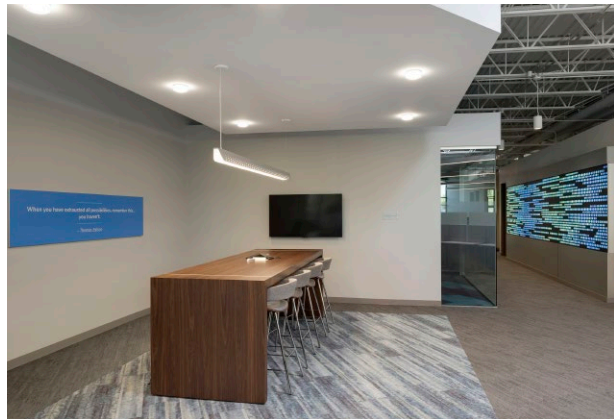
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- Informative dashboard
- Monitors energy consumption
- Office and conference room occupancy

## Dimming + Daylight Harvesting

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- 20% or more energy savings
- Lighting systems automatically adjust to ambient lighting



# Realize the Full Value

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## Commercial Settings

Take a total approach to LED lighting + controls + IoT for all your locations.

Energy Management Collaborative (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 schedule
- Ensure consistent implementations for hundreds of locations
- Reduce dependence on routine service calls
- Deliver superior utility savings and incentive values
- Enhance curb appeal to increase property value
- Maximize the full benefits of product warranties



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