

Steinel America Case Study

DCS Connect with BACnet Easy to install. Easy to program.



Project: Steinel Installs the DCS Connect in North American Headquarters integrated with the Autani Manager Building Intelligence and Management System

Location: Bloomington, MN

Year: 2021

Challenges: New Products and Third Party Device Integration, Need for Reporting and Remote Access, Code Compliance

Solution: Install DCS Connect and Autani Manager for Pilot Location

Key Benefits:

- Superior Sensor Coverage
- Energy & Space Utilization Reporting
- Remote Access Capabilities
- Energy Savings
- IECC 2018 Code Compliant

Products Used:

- DCS Connect
- 3 DT Quattro DCS
- 1 PS DCS
- 3 DS-SS3 DCS Lightswitches
- 3 Lighting Circuits
- Autani Manager

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Challenge:

Steinel America needed to lower its energy costs, provide remote access to its lighting controls and bring its own offices up to IECC 2018 energy code. With office renovations ongoing to accommodate growing staffing needs, Steinel was also looking to optimize its office space utilization.

Solution:

Steinel's DCS Connect with BACnet TCP/IP was connected to the Autani Manager. The Autani Manager enabled remote access, user override of the lighting controls setting in the DCS error diagnostics and energy reporting. The Steinel DCS and Autani Manager installation provides space utilization data that will help in decision making about space allocation as the team grows. The install site also served as a testing location for BACnet integration between the Steinel DCS and third party building intelligence and management solution.

"DCS Connect paired with the Autani Manager is so easy to use and with a phone you can access lighting functionality anywhere in the world."

John Schuster
Technical Support
Steinel America

Key Benefits:

- Complete Building Intelligence & Management Solution
- Superior Sensor Coverage
- Energy & Space Utilization Reporting
- Remote Access Capabilities
- Error Diagnostics
- 3 zone / Room Capabilities
- Energy Savings
- IECC 2018 Code Compliant
- Easy to Install and Commission
- Partial ON and Basic ON/OFF/DIM
- Daylight Responsive Control
- Two-wire Data Bus, No CAT 5 Cables

Error Diagnostics:

With the implementation of the DCS Connect with BACnet and the Autani Manager, Steinel America was able to diagnose a lighting ON error. At 3 am, the lights were turning on, using energy and adding cost when there were no occupants. With the implemented solution, Steinel America learned the HVAC system was turning on and causing the lights to turn on with it. Once the error was accurately diagnosed via the DCS Connect and Autani Manager, it was corrected, saving energy and costs.