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Cisco reimagines workplace innovation with Molex CoreSync ❯

CUSTOMER PROFILE

COMPANY

Cisco, New York, USA.

Cisco, is a US-based multinational digital communications technology conglomerate headquartered in San Jose, California. Cisco develops, manufactures, and sells networking hardware, software, telecommunications equipment and other high-technology services and products. It is the worldwide leader in technology that powers the internet. The company is also inspiring new possibilities by redefining the value of real estate in a hybrid world. This includes solutions and strategies that help organizations attract and retain talent, ensure individual wellness, and meet net-zero sustainability goals.

INDUSTRY

Information Technology

THE CHALLENGE

PENN 1, a 42,000 square-foot Midtown Manhattan building constructed in the 1970s, was never designed to be smart or data-driven. The global pandemic, however, has forever altered the dynamics between companies, their workers, and workspaces.

In today's data-driven world, data has become an essential aspect of designing and constructing smart buildings. The initial challenge was to design a new workspace which would enable new flexible ways of working. Optimizing a true hybrid workspace required collecting data to get insights on how effectively the space was being utilized.

There were also significant changes that had to be incorporated into the design to save carbon and meet sustainability goals.

THE PRODUCT

CoreSync Smart Building Platform and Emergency Lighting System.

CoreSync is a flexible, multi-application platform that transforms building devices such as lights, motorized shades, controls, etc. into intelligent assets. CoreSync centralizes data collection and orchestrates disparate systems with building automation systems to automatically respond to occupancy, ambient light, environmental conditions, scheduling software and more.

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THE SOLUTION

The new Cisco PENN 1's foundational network features a single interface called 'DNA Spaces', for integrating and extracting the data from the network system. This network system comprises of Cisco Catalyst 9000 switches and access points, PoE technology that provides data connectivity and electrical power for the building's subsystems. CoreSync's smart building platform effectively optimizes PENN 1's subsystems and environmental conditions. It is 100% run on PoE, thereby minimizing costs and saving energy.

In addition to controlling and automating the lighting in the building's common areas and workspaces, CoreSync provides an emergency lighting system that removes the need for separate emergency lights and local battery backups. It also delivers a granular sensory network that monitors air quality, temperature, humidity, space utilization, and more. CoreSync and its connected devices are natively integrated with Cisco's DNA Spaces to aggregate and visualize subsystem data and manage those subsystems collectively instead of individually.

THE BENEFITS

Cisco has reached new heights in the world of smart buildings and technology with the development of DNA Spaces, which is a brand new concept. The insights gained from the installation and commissioning process, as well as the data gathered on how staff members interact with the new workspaces, will be useful in enhancing their services at other facilities they construct in the future. PENN 1 showcases a truly intelligent, sustainable, and modernized work environment.

"As you walk into the lobby of the building, it's like stepping from the past into the future," says Giovanni Frezza, Director of Digital Enterprise and IoT solutions at Molex.

Smart Building Consultant, Brian McCourt commented:

"PENN 1 is the first of several hybrid workplaces we're creating with our partners. All of them will help us achieve our long-range goal of net-zero sustainability and our immediate goals of attracting top talent, helping ensure employee well-being, and providing flexible ways to work."

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