

Delivering the Office of the Future >



CUSTOMER PROFILE

COMPANY

Georgia-Pacific (GP), Atlanta, USA

INDUSTRY

Commerical

Georgia-Pacific (GP), the leading paper, pulp and tissue manufacturer, and building products, packaging and related chemicals supplier, has been headquartered in Atlanta since 1982.

Founded in 1927, Georgia-Pacific now has more than 300 world wide locations, with over 30,000 employees.

THE CHALLENGE

Georgia-Pacific wanted their landmark building's refit to incorporate Smart Building technology to improve the workplace experience for employees and visitors, orchestrate multiple building systems, and embody the office of the future.

Specifically, they wanted to maximize functionality, efficiency and integration, and to minimize costs across building systems such as lighting, heating, ventilation and air-conditioning (HVAC), audio-visual (AV) and room scheduling.

Andrew Schindler, senior program director for Georgia-Pacific:
"We're committed to establishing a smart, connected building that provides our employees with a comfortable and productive working environment while enabling more efficient and sustainable operations."

SOLUTION FEATURES

A complete network infrastructure that provides a cost-effective backbone for integrating disparate building functions with standard building management systems – all while powering and controlling low-voltage devices and lighting.

Rugged and reliable, the MJF solution provides a patent pending design with a flexible tube system and a light-weight, jetting optimized jacketing system that allows the fiber to be jetted long distances, run independent of the tube system and terminate as any regular fiber.

Molex 22 AWG 4-pair PoE cable provided power and network connectivity across the network and its devices.

PRODUCT NAME

CoreSync
 Molex Jetted Fiber (MJF)
 Molex Power Over Ethernet (PoE)

THE SOLUTION

Molex was selected to collaborate with Johnson Controls due in part to a strong track record in delivering digital building transformation, a vital enabling factor in realizing their headquarters' IoT vision.

The headquarters' systems utilize a state-of-the-art Power over Ethernet (PoE) infrastructure and CoreSync Smart Building Platform, deployed on Cisco Systems technology. This Digital Building network communicates with the Metasys® workspace automation platform from Johnson Controls for a highly secure system, able to track levels of lighting, temperature, air quality and occupancy. Molex's integration with Johnson Controls' technology underwent a crucial testing process at their Integration Hub.

Both Molex and Johnson Controls are therefore confident that the resulting systems – in particular, their compatibility and open architecture – will enable Georgia-Pacific to take advantage of future innovation for further building optimization.

The Molex solution deploys sensors across the network, allowing the system to aggregate data to ensure productive working conditions, drive efficiency, optimize space utilization and schedule maintenance.

One example of the Digital Building capability is the CoreSync occupancy and temperature sensors, which inform the AV, HVAC and room scheduling systems, automatically providing an environment ideal for comfort and productivity.

THE BENEFITS

The Molex-enabled infrastructure enables Georgia-Pacific to take advantage of the latest automation capabilities to deliver the best working environment for its staff, while driving down costs in such areas as space utilization, energy consumption and unscheduled maintenance.

Molex's infrastructure is also future-ready, meaning that it is capable of supporting emerging technologies that GP may want to leverage.

Jon Norton, General Manager Molex Connected Enterprise Solutions, commented:

“The collaboration between Molex and Johnson Controls to create the next-generation of integrated building systems demonstrates our commitment to collaborate with industry leading building technology companies to seamlessly meet our customers' interests for a proven, open and industry-standard solutions.”



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