

Gather

OUR MISSION IS TO POWER THEIRS

A CASE STUDY IN PERFORMANCE POWER DISTRIBUTION

INTRODUCTION

A non-denominational, Christian congregation in Orlando, Florida, sought to undergo a full-scale retrofit of a former retail space into a new church. Part of this renovation included the need for a new power distribution system to power its high-resolution modular video wall. The church design-build team needed a solution that would match their unique requirements:

- **Flexibility:** The design-build team required a potential solution was that it needed to be more flexible than the existing electrical system in the installation.
- **Aesthetic/Customization Requirements:** An all-black color, fully customized system that could blend into the surrounding environment.
- **Future-Proofing/Innovation:** The design-build team required scalability for their application while being able to withstand changing AV technology and any potential modifications to the video wall.

OUTCOME

After deciding to renovate their church building, the design-build team knew they needed a flexible solution to avoid the mobility constraints they faced with their old twist lock system. Their previous installation consisted of pipe and wire conduit and a two-way power requirement that forced them to run cables from a fixed location.

Ultimately, they chose Starline Track Busway because it was a flexible power distribution solution with a continuous access slot, which simplified layout changes and circuit additions. This new busway installation provided suspended upstage power connections, allowing connection of the 90 ft LED wall to their rigging system for vertical mobility. According to Craig Compton, lead AV engineer for the project, Starline Track Busway “allows us to move the power wherever we need to have it.”



The ease of installation was also unprecedented, as a few runs of busway could replace what used to be countless home runs of immovable pipe and wire. Elvin Santiago, engineering superintendent for the project, commented: “The whole installation of it, if you line up everything perfectly where it needs to be it’s a really good installation.”

The church's aesthetic requirement for this renovation was that the busway needed to be non-shiny, non-reflective, and discreet. Using Starline, the design-build team could fully customize their power distribution system to be matte black. The team ultimately chose to go with Starline Track Busway because it was a system that offered scalability for any additions or modifications to the video wall. The busway's open channel design ensured that the church would have power when and where it was needed.



SYSTEM DESIGN

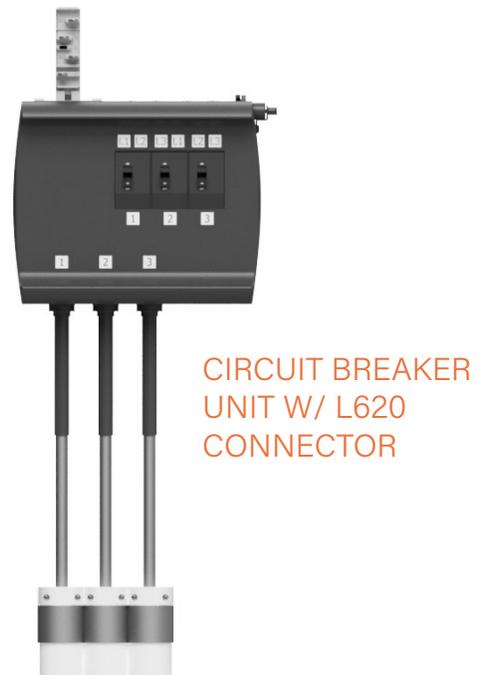


RESULT

By choosing Starline Track Busway, the church was able to not only power its video wall, but also implement a unique solution that offered flexibility, customization, and adaptability for the future. "The flexibility and mobility of where you would like to position the power sources is something that really sets it apart from different installations," said Santiago.

ABOUT STARLINE

Starline, a brand of Legrand, is a global leader in power distribution equipment. For more than 30 years, Starline has provided data center, retail, health care, laboratory, higher education, and industrial facilities with the most flexible, reliable, and customizable power distribution systems on the market.



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