

Hugh L. Carey Tunnel | New York, New York



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The Hugh Carey Tunnel connects the Southern Tip of Manhattan near Battery Park to Brooklyn. After flooding from Hurricane Sandy in 2012 the electrical switchgear powering the tunnel was damaged and needed replacement. It was decided that the switchgear, which was positioned in a flood plain, needed to be located at a higher level within the building to prevent future outage and damage from flooding. Moving the switchgear included moving the entire room which included lights, cameras, security systems, and more.

The Metropolitan Transportation Authority (MTA) Triborough Bridge and Tunnel Authority (TBTA) in New York City procured the HC-64 Electric Service Upgrade Project as a Design-Build contract. This project led by the Prime Contractor TC Electric (TC). TC hired Engineer The LiRo Group as their Engineer of Record. Academy Energy Group (AEG), a Design-Build focused Electrical Distributor and NY Certified SDVOB, was selected by TC due to their experience. AEG collaborated with TC and LiRO during the design phase to select the SIEMENS power distribution equipment, generate submittals, and streamline the delivery cycle.

This project also required MTA TBTA specific testing procedures for the equipment that required a trip to Grand Prairie, Texas for a Factory Acceptance Tests (FAT). AEG worked with SIEMENS to sync the MTA requirements to the SIEMENS FAT. The project included on-site start-up for commissioning and an 827-page Operations and Maintenance manual (O&M).

The project was able to be completed two months in advance due to the collaboration amongst the group. AEG attended meetings with MTA TBRA, TC Electric, LiRo, and SIEMENS to drive the process forward. The Project Team Collaboration for Design-Build projects contribute to achieving the project goal on time – or early.