

**CASE STUDY**

Mount Sinai Medical Center Emergency Power

Upgrading Infrastructure and Cooling Capabilities For Outages

Concord's extensive healthcare industry experience enabled our selection as the sole commissioning agent of record for Mount Sinai Health System for both construction and warranty phases. For this project, we provided commissioning in a multi-phase plan to increase energy and backup power to the main campus. This infrastructure will allow critical hospital systems to remain operational during power outages and increase the emergency power for cooling the hospital during extended power outages.

THE CONCORD DIFFERENCE

- Complete all functional testing while maintaining a fully functioning hospital.
- Serve as owner advocate to ensure the highest quality solutions with budget transparency.
- Work on the project from the design phase through the final functional testing.
- Assisted the Contractor with Testing Plan and Method of Procedure Development.

THE CHALLENGE

- The need to mitigate early budget uncertainties that arose before our involvement.
- Design each building and system to be resilient to extended power outages.
- Manage equipment long lead times due to COVID-19.

CONCORD ENGINEERING SOLUTION

- Third-Party commissioning for both construction and warranty phases.
- Provide significant electrical infrastructure upgrades in conjunction with increasing cooling power during outages.
- Install four 1500kW Diesel Generators within pre-packaged enclosures on the hospitals' roof.
- A new Automatic Transfer Switch (ATS) for the Chiller System provides Emergency Power and continuous uptime.
- A new ATS that can be used in both Emergency Power Conditions and Demand Management Operations to participate in the Demand Response program with the utility.

+ LOCATION

New York City, NY

+ SERVICES

Commissioning
Client Representative

+ TAGS

Healthcare
Energy Infrastructure
Emergency Power
Backup Power
Demand Management
ATS

GET IN TOUCH

Concord Engineering Group, Inc.
Commissioning

info@concord-engineering.com

(856) 427-0200