

Project Summary

NY Building Systems Consultant Inc. (NYBSC) worked in close coordination with DEP to redesign the facility's Mechanical and Electrical systems, emphasizing energy efficiency, sustainability, and emergency resilience. Construction was completed in June 2025, and the project is currently pending final Con Edison electrical connection.



Scope of Work

- Modernized the facility with a full mechanical and electrical redesign, including high-efficiency heat-pump HVAC and DOAS ventilation.
- Delivered a major power infrastructure upgrade with a new **4000A Con Edison service** and emergency generator for operational resilience.
- Integrated a solar PV system to cut carbon emissions and support long-term energy savings.
- Designed code-compliant, energy-efficient industrial lighting for safe and productive operations.
- Installed **eight EV chargers** (Level II & Level III) to support NYC's clean transportation initiatives.
- Engineered a robust emergency power backup system for critical continuity.
- Developed NFPA- and NYC Fire Code-compliant fire suppression and sprinkler systems.
- Implemented a full lightning protection system to safeguard building infrastructure.
- Performed detailed MEP submittal reviews to maintain design integrity and quality control.
- Led proactive coordination with contractors, DEP representatives, and field teams to ensure smooth project delivery.

Some Captures from the site

