



CASE STUDY

Holtec International World Headquarters

Concord Engineering Group provided Design and MEP/FP Engineering services, together with Power & Infrastructure Engineering to redevelop an existing brown site into Holtec International's World Headquarters expansion. The 50-acre Krishna P. Singh Technology Campus consists of a 130,000 SF seven-story corporate engineering center, a heavy manufacturing building, a system test facility, a training center, and a non-destructive testing laboratory for the manufacturing of nuclear reactor parts. A 69kv substation was also designed by Concord to facilitate the campus.

THE CONCORD DIFFERENCE

- Precise MEP/FP design engineering.
- Experienced in complex, large building and infrastructure projects.
- Our expert teams support process flow and holistic solution management.
- Ability to meet all requirements for LEED Gold certification and energy incentives.
- Experienced Engineering Team with Construction Knowledge supported the completion of the project ahead of schedule.

THE CHALLENGE

- Engineer a campus that can support Holtec's growing client needs, rising at approximately 25% per year.
- Need for resilient and efficient power systems.

CONCORD ENGINEERING SOLUTION

- Design of High-efficiency HVAC and Lighting
- Design a campus-wide "Microgrid Ready" 69kv substation to provide power to all buildings.
- Engineer solution with new [4] breaker ring bus, [2] incoming underground PSE&G line positions, [2] 69kV-13kV transformers, 13.8kV switchgear
- Power purchase guidance for the manufacturing facility's rooftop solar system, bringing in tax credits valued at \$260 million over 10 years
- Successfully enable the Campus LEED Gold accreditation and receipt of state incentives.

+ LOCATION

Camden, NJ

+ SERVICES

MEP/FP Engineering
Engineer of Record
Power & Infrastructure
Energy Services

+ PARTNERS

JINGOLI Construction
USA Architects
O'Donnell & Naccarato

+ TAGS

New Construction
Commercial Engineering
High-Rise Office
LEED Gold
Power Purchase

GET IN TOUCH

Commercial Engineering
concord-engineering.com
(856) 427-0200