CONCORD ENGINEERING

CASE STUDY

LEED Silver Life Sciences Building

Shell & Fit-Out for the Coriell Institute for Medical Research

The Coriell Institute for Medical Research, located in Camden, NJ is a 70-year-old nonprofit dedicated to preventing and curing diseases. It manages the world's most diverse collection of cell lines, DNA, and other biomaterials for use in biomedical research. Coriell is expanding to launch a Cancer Research Center, necessitating a new state-of-the-art headquarters.

Concord Engineering Group served as Engineer of Record for the new 92,500 sq ft, 4-story Life Sciences Building, adding biomedical laboratories and vivariums to the campus.

THE CONCORD DIFFERENCE

- Skilled in LEED, PEER standards, energy incentives (grant/rebates), and certifications
- Deep pedigree in implementation of rigorous life science facility design codes and regulations
- Early-stage partner to assist in scenario analysis, planning, and energy modeling

THE CHALLENGE

- Rigorous codes and regulations drive the MEP system designs for life science facilities, which requires an in-depth understanding and intricate implementation
- Mission critical operations with 70 years of research that require a reliable electrical system with ample backup power.

CONCORD ENGINEERING SOLUTION

- MEP systems include new chilled water and heating hot water plants, central air handling units, new central exhaust systems, and Direct Digital Controls (DDC) to maintain proper indoor air conditions, including temperature, humidity, and pressurization
- Separate air systems for laboratory and non-laboratory spaces to meet the NIH requirements
- Trace 3D software to model the facility and various MEP systems to optimize the final system selections and design

LOCATION

Camden, NJ

SERVICES

Commercial Engineering
MEP/FP Engineering
Engineer of Record

PARTNERS

FIFTEEN Architecture & Design
Scheer Partners

TAGS

Health + Science
Shell and Fit-Out

CERTIFICATIONS

LEED Silver

GET IN TOUCH

Health & Science
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