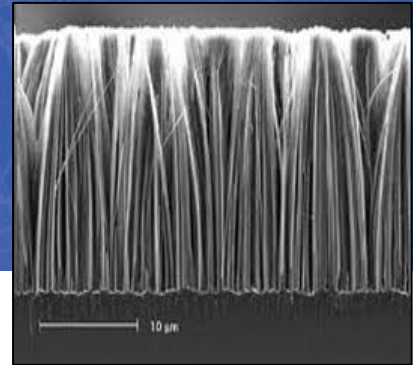


GREENTECH - Battery Storage & Fuel Cells

Amprius

R&D Pilot Scale Facility



OVERVIEW

Amprius is a start-up focusing on Lithium-Ion battery development and manufacturing using silicon nanowire anode technology which enables dramatic improvements in the energy density and specific energy of Lithium-Ion batteries.

IES assisted Amprius in site selection and provided complete MEP design and engineering services for their new R&D and pilot scale facility. The new facility design allows Amprius to continue their growth and research and allows sufficient space for expanded production capabilities. The facility also required the installation of a “dry room” for the Lithium processing.

PROJECT DETAILS

- Retrofit (E) mixed use facility with creation of new lab spaces and reuse of Class 10,000 cleanroom
- Design and install new exhaust and HVAC systems
- Design and install new Silane gas distribution system
- Integrate existing facilities infrastructure into new design
- Design and install new N₂, Argon, H₂, DI Water System and utility piping systems
- New mechanical pad with CDA compressor and Emergency Generator

IES SOLUTIONS

- Creative repurposing of existing facility by optimizing lab layouts and reducing the amount of TI required
- Facilitated reuse of existing sanitary waste system with new lab hoods and sink without having to trench
- Complete services from site selection to final permit package on a fast paced project to allow move in within scheduled timeframe
- Provided Code consulting and BAAQMD permit application assistance
- Consulting oversight of HMBP/HMIS document preparation and submission to proper Authorities Having Jurisdiction

LOCATION

Sunnyvale, California

TEAM (PARTNERS)

Architect: Kobza & Associates
Structural: PASE

PROJECT DURATION

Design & Permit: 4 months
Construction: 3 months

PROJECT VALUATION

\$500,000 - \$1,000,000

ABOUT IES

Integrated Engineering Services (IES) is an established firm providing innovative and cost-effective solutions to meet your complex engineering, design and operational needs.

When experience, knowledge and innovation matter most.

70 Saratoga Ave., Ste. 200 | Santa Clara, CA 95051 | Phone: 408 261-3500 | www.iesengineering.com

