Acambis, Inc.

Vaccine Manufacturing Facility Phase II Upgrade

Location

Confidential

Client

Acambis, Inc.

Client Type

Science & Technology

Size

Building: 30,000 sf
Renovation: 10,000 sf

PS&S provided full architectural, engineering and validation services for the renovation of an existing 30,000 sf biotech manufacturing facility. The existing building received major upgrades to process utility and building systems in order to bring the building up to cGMP operational status. Approximately 5,000 sf of shell space was fitted for manufacturing operations.

One of the systems that was revised was the WFI system. PS&S extended the existing WFI distribution loop to new sterile production suites, and provided the required WFI drops as well as utility panels.

The manufacturing suites were designed to be isolated from each other and served by separate air handling units. A 5,000 sf mezzanine was fitted to accommodate additional offices and workstations and a microbiology QC lab. The project was designed and renovated on a fast-track basis.

PS&S provided the qualification of manufacturing process equipment, and their supporting utilities, for the development of both viral- and bacterial-based vaccines. Laboratory facilities, including the analytical and stability equipment used to test and release vaccines, were qualified. Validation of critical systems included the development, execution, and system reports for Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ) protocols.