

CLIENT: BD Biosciences

DATE: 2009 Completion



LOCATION: Miami, Florida

SCOPE OF WORK: Engineering / Procurement / Construction Assistance

PROJECT: Advanced Bioprocessing Facility Retrofit

TEAM PARTICIPANTS: IDEA / TRO Jung|Brannen



several rooms at ISO7 (10,000), and ISO5 (Class 100) classification. Special consideration was given to the finish treatment to provide cGMP environment that can be washed daily.

Scope of work

- ◆ Engineering
- ◆ Design
- ◆ Project Management Services
- ◆ Conceptual, Preliminary & Detailed Design
- ◆ 3D Design
- ◆ Construction Assistance

IDEA along with TRO Jung Brannen worked closely with the client to develop a manufacturing facility that provides a high containment environment, in addition to being a show case for clients. A special consideration of this facility was to allow visitors, clients, and potential clients the ability to view the manufacturing process without gowning up.

The facility is comprised of 100,000 square feet, of which 75,000 square feet is devoted to the manufacturing process, with the remaining 25,000 square feet for office and warehouse space. The process area has been designed with a minimum room classification ISO8 (Classification 100,000), with

Project Features

- ◆ Powder / Solids Handling (sanitary transfer vessels, both a “clean & cleanable” design)
- ◆ Vertical Processing
- ◆ Fast Track
- ◆ Equipment Supplier Integration
- ◆ Enhanced Safety Features
- ◆ Liquid Compounding System
- ◆ Utility Upgrades (chilled water, tempered glycol systems, UPW, CIP)
- ◆ Manufacturing Filling & Packaging
- ◆ cGMP Design / Validated Process
- ◆ Semi-automated Process



Innovative Design Engineering Associates, Inc.

IDEA Engineering • Merritt Corporate Woods • 612 Wheelers Farms Road • Milford, CT 06461 • 203.951.4100

www.ideas4eng.com