



Systems Commissioned:

- Dedicated outdoor air system (DOAS)
- Blower coil units (BCU)
- Supply and exhaust air terminal units (ATUs)
- Laboratory air-handling unit (AHU)
- Gas-fired humidifiers
- Nitrogen system
- Clean dry air system
- Bottled gases
- Building automation system (BAS)
- Testing, adjusting, and balancing (TAB)

Commissioned: 2016

**Confidential Medical Device Headquarters
Telford, PA**

In 2015, the company relocated its corporate headquarters to a new facility in Telford geared toward innovation and future growth.

The project consisted of renovating an existing single-story warehouse into a medical device manufacturing facility with support space. The facility includes office, warehouse, production areas, and Class 100,000 (ISO 8) and 10,000 (ISO 7) clean rooms. The facility required registration with the FDA in order to produce finished medical devices and new infrastructure including new electrical service with switchboard, new 267-ton air-cooled chiller, two pulse boilers, dedicated outdoor air system (DOAS) rooftop air-handling unit, five exterior rooftop air-handling units (AHUs), an indoor AHU, and a stand-by generator.

PrecisCx performed leveraged GMP commissioning services for the product impact and non-impact utilities and systems of the facility. The PrecisCx team prepared the commissioning project plan (CPP), assisted with standard operating procedures development, re-wrote vendor performance qualification documentation to align with owner requirements, and assisted with piping and instrumentation diagram (P&ID) document development. The owner also requested and PrecisCx provided commissioning support for the Owner’s internal validation execution.

PrecisCx worked with another commissioning firm that was hired for commissioning of the “dirty” systems. We coordinated our efforts and assured that the support utilities were commissioned before the “clean” systems. Precis also supported development of the owner’s URS, standard operating procedures (SOP), and project management documents for the building and systems and helped to establish a filling system for those documents.



Project Reference

Confidential

Project Data

Size: 60,000 square feet
 Category: Medical Device
 Scope: New Construction
 Type: Leveraged Commissioning
 Cost: Confidential

PrecisCx Team

Principal in Charge: Kari Donovan, PE, CxA
 Project Manager: Harry Koons, LEED AP, CxA
 CQV Engineer: Stephen Obermeier