

## State University of New York at New Paltz Athletic and Wellness Center



### ***Project Description***

GENESYS is the Commissioning Provider for the new Athletic and Wellness Center at SUNY New Paltz. This project includes the construction of a 57,000-gsf athletic/wellness center and the installation of air-cooled chillers and associated equipment, air handling units, hot water pumps, heat exchangers, unit heaters and an Energy Management System. GENESYS performed pre-functional inspections and functional testing of equipment and systems, managed the deficiency database and reporting, and will be providing the final commissioning documentation for the project.

### ***Project Challenges***

GENESYS was brought onto the project when construction was significantly completed and the majority of equipment and systems were installed. We quickly developed customized prefunctional inspection and functional testing procedures to verify that the equipment was functioning properly and per the contract documents.

GENESYS also needed to work quickly and closely with the Project Team and contractors to integrate the commissioning process and requirements into the construction process.

### ***Benefits and Value***

- GENESYS identified an actuator on a cabinet unit heater that was wired backwards, which was causing significant overheating problems, and flooding due to relief valves lifting, in a gym storage area that also stored the equipment for the public address system.
- GENESYS worked extensively with the Controls Contractor to verify that the sequence of operations for the air handling units and the chiller system. Several sequences were originally programmed incorrectly or were missing, which if operated without correction would have had an adverse impact on energy conservation efforts and indoor air quality.
- GENESYS identified a hydronic system that was designed as a variable flow system but due to valve selection and installation could not operate as a variable flow system. GENESYS identified the problem and worked with the design team to develop an improved solution.

#### Services:

Commissioning Authority  
Commissioning Agent

#### Project Cost

\$15 million