



**Dome-Tech, Inc.**  
A UTC Power Company

# Case Study

## **William Paterson University College of Science & Health** Wayne, New Jersey

**Project Scope:**

LEED Commissioning, Building  
Renovation and Addition

**Facility Description:**

Science Hall Renovation  
(160,000 GSF) & Addition  
(65,000 GSF)

**Completion Date:**

2011

Dome-Tech, Inc. was selected to be the LEED (Leadership in Energy and Environmental Design) Commissioning Agent for the William Paterson University College of Science & Health, Science Hall Renovation & Addition. The university's goal is to have the building designed for achievement of LEED™ Silver certification by the US Green Building Council.

The commissioning process is a systematic approach to ensuring that building projects are designed, built, and turned over in an effective and efficient manner, meeting the documented needs of the owner. Dome-Tech was selected to participate from the beginning, starting with the design process to review the plans and specifications for adherence to the basis of design, and will continue throughout the construction process and turn-over. Dome-Tech will be responsible for the development of commissioning plans, procedures, and schedules, and will also coordinate the testing and commissioning activities to ensure that the project is delivered in accordance with the project requirements and specifications, and will manage all commissioning sub-contractor tasks.

The Project comprises a New Science Hall addition of 65,000 GSF and the renovation of an existing building of 160,000 GSF. The construction will be phased with the renovation taking place after completion of the New Building. Anticipated durations are 24 months for the addition and 12 months for the existing building. The Science Building contains technical laboratories for research and teaching, small flexible spaces that can be assigned to students engaged in independent study, and classrooms that provide for state-of-the-art interactions between faculty and students. The Addition is envisioned as a three story steel framed structure connected to the existing building with a glass enclosed Lobby and ramped bridges. This connecting piece also contains programmatic space in the form of a Café/Student Lounge and two large Classrooms. The building has mechanical space on the roof which abuts the proposed greenhouse.