



Commissioning Case Study

Long Island University Pratt Recreation Center

Brookville, NY

Background

The Long Island University (LIU), C.W. Post Campus, constructed the Jeanette and Edmund T. Pratt Recreation Center that includes a 3,000-seat gymnasium with three full-size basketball, volleyball and badminton courts; an elevated indoor jogging track; an eight-lane recreational and competitive swimming pool; racquetball courts; and weight, fitness and locker rooms.

Description

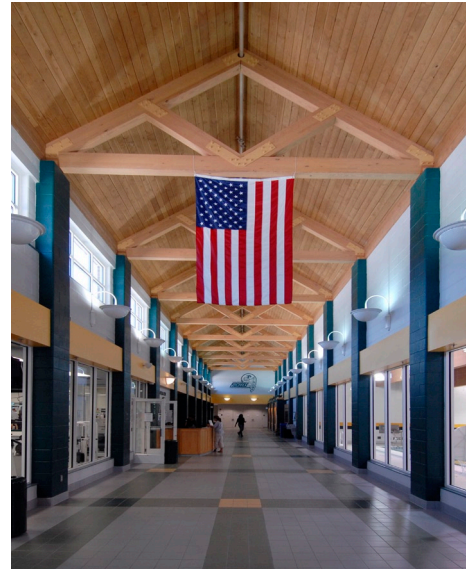
The purpose of the commissioning process was to verify the proper design, installation, testing, operation and training for all the commissioned systems in the new building. HEA provided commissioning services for all mechanical, electrical, plumbing and fire protection systems, as well as such distinctive sports-themed elements as the bleachers and scoreboard.

Solution

Commissioning the Pratt Recreation Center resulted in a number of energy and maintenance related operational and cost savings:

- Commissioning identified approximately \$44,000 in annual energy related cost savings by detecting and correcting system deficiencies.
- Effective training of the operations staff resulted in the reduction of equipment run-time and decreased operating costs and wear of equipment.
- In six months, LIU received a return on its investment in commissioning the facility, which cost \$41,500 overall; LIPA funding covered one third of the commissioning fee.
- Documented deficiencies included a boiler supply fan running constantly; air-conditioner economizer function not running properly; and an electric heater thermostat was not connected.

By uncovering and addressing these issues through the commissioning process, the University improved comfort levels and is saving thousands of dollars annually in energy costs.



Commissioning Provider:
Horizon Engineering Associates, LLP

Customer Name:
Long Island University

Location: Brookville, NY

Building Size: 77,000 sf

Commissioning Fee: \$41,500

LIPA Cx Funding: \$13,700

Annual Energy Savings: \$44,000