



System Capacity: 10.2 kW (DC)

Client:

AstraZeneca Pharmaceuticals

Design Professional:

Jacobs-Wyper Architects, LLP

Location:

Wilmington, DE

Delivery Method:

Construction Management

Key Challenges:

- To provide an exceptionally functional building that would optimize efficiencies in processing service providers to the campus.
- To incorporate sustainable products and green building concepts in accordance with AstraZeneca's long standing respect for the environment.

Service Providers Center

The AstraZeneca Service Providers Center is the first LEED Certified building built in the state of Delaware by a Delaware contractor and one of only two buildings in the state to be certified LEED Gold by the U.S. Green Building Council.

Construction included the installation of a 10kw photovoltaic panel system that generates 12,000 kw on an annual basis. This accounts for approximately 20% of the building's overall energy needs.

In addition, construction included the use of water efficient landscaping, dual action flushometers, touch-less faucets, and waterless urinals allowing the building to use 30% less water than conventional designs. In addition to the photovoltaic panel system, a thermal envelope which minimizes heat gain and heat loss provides increased energy efficiency while a ground source heat pump delivers lower lifecycle expenses. Materials used in construction contain over 21% recycled content, over 90% of construction site debris was recycled or reused, and over 26% of construction materials were manufactured locally.