

ASHRAE Headquarters Renovation

American Society of Heating, Refrigerating, and Air-Conditioning Engineers

LOCATION:

Atlanta, GA

CLIENT:

ASHRAE

PROJECT DATA:

training center
meeting and education spaces
technical library
offices
loading/bulk storage

35,000 sf total

SERVICES:

Programming
Interior Design/FFE
Architectural Design
Construction Administration
LEED Services

COST:

\$6,500,000

DATE OF COMPLETION:

2008

CONTACT INFORMATION:

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LEED NC - PLATINUM:

Photovoltaic array
Geothermal Field
Chilled Beam
Partial vegetated roof
Daylight and views for a majority of spaces
Low-VOC interior finishes
Recycled content carpet tile
Low-E Glazing
Highly-reflective roof surface
Dedicated fuel-efficient parking
Solar reflective parking surfaces
Bio-retention ponds
Bicycle Racks



ASHRAE's mission is the advancement of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education. They were able to achieve that goal with this LEED Platinum building, which includes numerous sustainable elements, and demonstrated their desire to "walk the walk." Throughout the design and construction process the team evaluated numerous building components, including mechanical equipment, electronic systems, and professional services as well as over \$1 million of donated equipment.

The renovation of their existing building demonstrates the benefits of using ASHRAE's standards by creating a "living laboratory" sustainable environment that is used for education, training and demonstration purposes. Their newly renovated building and addition became an embodiment of their mission and their standards.

As the leader in codes and standards for the building industries' mechanical engineers, the renovation and addition to ASHRAE's existing building brought member's expertise from around the country to collaborate with the firm and their consultants and contractor. The team planned and coordinated the work of vendors and professionals through the use of Building Information Modeling and building energy studies to ensure complete and functional systems that met the performance requirements.

The facility includes a new training center, meeting and education spaces for their members, a technical library, offices and collaborative workspaces for personnel, as well as a loading area with bulk storage. There are two green roof systems that further assist with storm water quality and quantity improvements as well that also help combat the heat island effect. ASHRAE also formed a relationship with Georgia Power through the implementation of two photovoltaic arrays on the upper roof.

Arguably one of the most tenable accomplishments of sustainable programming for this facility was accomplished in order to provide daylight and natural views for the majority of the staff. This was one of the client's main goals, which required their involvement throughout programming as well as participation in furniture selection in order to find a system that would successfully meet their work needs. The resulting plan increased the total number of future staff above previous levels by 25% while effectively changing the office culture. This project exemplifies the attributes and accomplishments that are possible when the design team works closely together to achieve and deliver a successful building that meets both the needs and goals of the client.

RICHARD
WITTSCHIEBE
HAND



