

South Central Connecticut Water Purification Facility and Park selected as AIA/COTE Top Ten Green Project



The Regional Water Purification Facility and Park (New Haven, CT) designed by Steven Holl Architects with The Bioengineering Group, Inc. as its Sustainability Consultant has been chosen as one of the Top Ten Green projects for 2007 by the American Institute of Architects' Committee on the Environment (AIA/COTE). Other key team members include CH2M Hill for waterworks engineering and Michael van Valkenburgh for landscape architecture. This award establishes the facility as a peer reviewed example of what can be achieved by the innovative application of the standards and goals for sustainable design and construction.

The Regional Water Purification Facility and Park was completed in 2005 and provides an abundant water supply to south central Connecticut, creates a vibrant watershed ecosystem, and includes a public park while providing a diverse habitat and sanctuary for migrating species of birds. The facility features the largest green roof in Connecticut (30,000 square feet), zero off-site storm water discharge, expanded wetlands for biodiversity, all designed by the Bioengineering Group, and is heated and cooled by multiple geothermal wells.

The striking design fuses architecture with landscape to form a public park. Water purification facilities are located beneath the park, while the operational programs rise up in a 360-foot-long stainless steel sliver that expresses the workings of the plant below and forms a reflective horizon line in the landscape. The green roof and other stormwater management facilities are integrated into the landscape design providing a state-of-the-art example of appropriate watershed management.

In 2005 the Regional Water Purification Facility and Park was selected for an Honor Award by the New York Chapter of the American Institute of Architects, and in 2001 it was the only American entry to receive the Van Alen Institute Award in the International Projects in Public Architecture Competition.

The Bioengineering Group, Inc. and Steven Holl Architects both emphasize sustainable building and site development as fundamental to innovative and imaginative design. Incorporating green roofs, double walls, and advanced mechanical systems, Steven Holl Architects constructed the New Residence at the Swiss Embassy according to Swiss "Minergie Standards," higher standards than the U.S. Council for Green Building's LEED standards for minimal energy consumption. The Bioengineering Group designed U.S. Border Patrol Stations in Jackman and Calais, ME were recently named the Construction Management Association's 2007 Public Project of the Year in New England for its sustainable design, incorporation of LEED standards, and adherence to tight schedule and budget constraints.



The Bioengineering Group, Inc. is a woman-owned small business headquartered in Salem, Massachusetts providing a full range of planning, engineering, and landscape architecture services with the goal of providing sustainable development built upon a strong ecological foundation. The firm and its joint venture partner are also supporting the planning and design of improved storm damage infrastructure for New Orleans and surrounding parishes under a \$150 million dollar prime contract with the U.S. Army Corps of Engineers – New Orleans District, Hurricane Protection Office.

For more information on The Bioengineering Group, Inc., please visit www.bioengineering.com.

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