

# Environmental Commitment

A.P. Construction has completed numerous green construction projects and is continuously working with owners to plan new green structures. We believe improving environmental performance is responsible business practice and will increase A.P. Construction's value, value to our clients and aid in preserving the environment for future generations.

We have strong experience supporting our clients with their environmental sustainability efforts and with the installation of "green" systems and materials. Geothermal heat pump systems can reduce energy cost up to 40% and were included at SoundWaters' headquarters in Stamford, CT, Greenwich Audubon Center and Darien Library. Green construction materials such as cellulose insulation, carpets made from recycled materials, low-e glass with Lutron Daylighting systems, or lumber from sustainable forests have been used in a variety of our construction projects.

## **DARIEN LIBRARY**

As Construction Manager for the all new Darien Library, we worked with the design team to reach the goal of attaining a LEED Gold rating. Construction was completed in January 2009. Some of the key elements included in this design are:

**HVAC:** A four well geothermal system with heat pumps. Each well is 6" diameter and goes into the ground 1500 feet. It is anticipated that it will reduce their annual energy cost from \$50,000/yr to \$30,000/yr. This design eliminates the need for a boiler and cooling tower. **Sitework/Landscaping:** Native Xeriscape plan with irrigation only at grass areas. All retention/absorption to occur on-site. **Plumbing:** Efficient use of water includes the installation of low-consumption urinals. **Renewable Energy/Green Power** will be achieved through the installation of photo voltaics.



## **NOKIA CORPORATION**

As Construction Manager for Nokia's new U.S. headquarters, we installed "green" systems including low-e clear glass with a Lutron Daylighting system; complete energy management system for HVAC, hot water and lighting systems; locally available stone flooring (bluestone); recycled rubber tire carpet in hallways. Construction debris was 100% recycled.



## **GREENWICH AUDUBON CENTER**

Green construction concepts used throughout included the following materials from recycled sources: cellulose insulation, sheetrock, and rubber flooring. All lumber, including material for roof shingles, beams, studs, flooring and millwork, was acquired from companies using sustainable forestry practices. Heating system used geothermal closed loop technology with 24 wells. Well water engineered with sophisticated treatment system.



A.P. Construction Company