Green Building For Environmental Sustainability
A HISTORY OF ENVIRONMENTAL AWARENESS

For over 40 years, Advanced Drainage Systems has recognized the importance of managing our nation’s water resources. By protecting our water resources, we ultimately improve our quality of life. ADS researched and developed structurally superior corrugated polyethylene pipe and other drainage products that are perfectly suited for the “green” needs of modern society. Today, the engineered plastic system is a reality, providing better hydraulic performance, extended service life, reductions in installation and maintenance costs and a much smaller carbon footprint. Tomorrow, you will continue to see new environmentally-friendly products and applications from ADS, the world leader in HDPE drainage systems.

At ADS, we have seen the enormous cost of rebuilding yesterday’s infrastructure as metals and concrete have limited service life. As industry leaders, we strive to demonstrate an attitude of commitment and our interest in being good corporate citizens. By providing our customers with long-lasting products that are environmentally friendly, we are taking a step to ensure that our actions today will benefit the generations of the future.

WHAT IS LEED?

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is the most recognized and rapidly growing system used for the promotion and rating of Green Development. The United States Green Building Council established and administers LEED certification to provide the building industry with consistent, credible standards for what constitutes a green building. LEED certification increases environmental sustainability, increases limited resources and encourages the use of products with recycled content by avoiding landfills. The result is lower energy consumption, improved worker efficiency and reduced operating costs.

Performance in five essential areas of human and environmental health is recognized by the LEED Green Building Rating System. These areas are: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality. ADS systems and products play a key role in project designs that are eligible for LEED certification. Specific LEED programs include:

- New Commercial Construction and Major Renovation projects
- Existing Building Operations and Maintenance
- Commercial Interiors projects
- Core and Shell Development projects
- Homes
- Neighborhood Development
- Guidelines for Multiple Buildings and On-Campus Building Projects

Contact your local ADS representative for more information
WHAT IS LEED CERTIFICATION?

To become LEED certified, a project must first be registered. Certification is achieved by earning credits within each LEED category. Certification levels are Certified, Silver, Gold, or Platinum depending on the amount of credits the project earns. The project is only eligible for LEED certification if it meets all prerequisites and attains the minimum number of points necessary for the Certified level of certification. To be awarded LEED certification, the project must be submitted to the United States Green Building Council for review and approval. Only projects can be LEED certified, not individual products.

ADS PRODUCTS HELPING TO QUALIFY PROJECTS FOR LEED

LEED certification requires compliance in different target areas. ADS has products which provide excellent opportunities for LEED credit. Detention systems for water efficiency and quality, Water Quality Units and Catch Basin Inserts for water quality, and MEGA GREEN pipe for recycled content credit.

Detention systems are intended to provide the ability to control the quantity and concentration of water leaving a site. However when used properly they can be used as rain water harvesting systems improving the water efficiency of the site as well. One of the natural side effects of detention systems is treatment of water quality. When used correctly, detention systems can qualify for LEED credits in both water efficiency and water quality.

MEGA GREEN pipe has a minimum recycled content of 40% and has the best joint in the industry. It is also an excellent choice for detention systems. From specially designed systems that hold more than a million gallons under a huge shopping center, to systems that fit in the smallest of footprints, ADS can help you meet stringent requirements for management of storm water.

Water Quality Units and Catch Basin Inserts manufactured by ADS provide control for total suspended solids, hydrocarbons, floatable material, debris and trash. Storm Water Quality Units are designed with two weir plates to trap oils and total suspended solids as the storm water flows through surface drainage structures and into the water quality unit. Water quality products provide a method to treat water leaving a site and trapping the pollutants which are present. Not only do these units assist in compliance with the EPA Phase II of the Clean Water Act, but they also provide a means for qualifying for LEED credit in water quality.

Other water quality products include:
- Nyloplast surface drainage structures which meet LEED watertight requirements
- FloGard® PLUS collects obvious trash such as plastic bottles or soda cans but also traps other debris and pollutants that are even more harmful to the environment
- Geotextiles are strong, durable, chemically inert, environmentally compatible, and are virtually unaffected by the affects of ground conditions, weather and aging
- Silt fences are effective in controlling sediment-laden runoff from construction sites. These woven silt fence fabrics have been recognized by the EPA as a Best Management Practice (BMP) and offer a unique combination of UV resistance, strength and hydraulic properties
Innovation in product, process and technology.

That’s ADS.

Beginning with single wall corrugated polyethylene pipe, ADS has continually introduced drainage products that have set the industry standard for environmental sustainability – bringing to market a green alternative to concrete and steel pipe. Our commitment to being the best means that we continue to refine the structural design of our pipe and redefine the limits of its application in the green design community.