

Green Roof Service LLC presents:

April 11, 2013

Projects	Services	Modern Green Roof Technology	Living Architecture	Resources	About Us
--------------------------	--------------------------	--	-------------------------------------	---------------------------	--------------------------



210 North Hickory Ave.
 Bel Air, MD 21014
 Phone: 443-345-1578



Brush up on your green roof plant knowledge with a new plant every month! Only on our Green Roof Plant Blog!



Above: Green Roof Technology Presents a Rooftop Lawn on a Celebrity
Protecting the Chesapeake Bay: Stormwater Fee Looming Overhead

The Chesapeake Bay is a huge part of Maryland. Excessive runoff is a huge culprit of transporting trash, chemicals, nutrients, along with other things that end up polluting our bay. To mitigate for our extravagant lifestyles, many cities and states are implementing stormwater fees. Adding a green roof is one way to lessen your quarterly fee.



Education & Green Roofs - A Learning Experience

Implementing green roofs within urban schools would be a great learning tool as well as a benefit to the environment. Intensive green roofs can bring a whole new level of opportunity right into the classroom. Hands on experiences, the potential for learning about and growing fresh food, and an on-site outdoor classroom are a few worth mentioning.



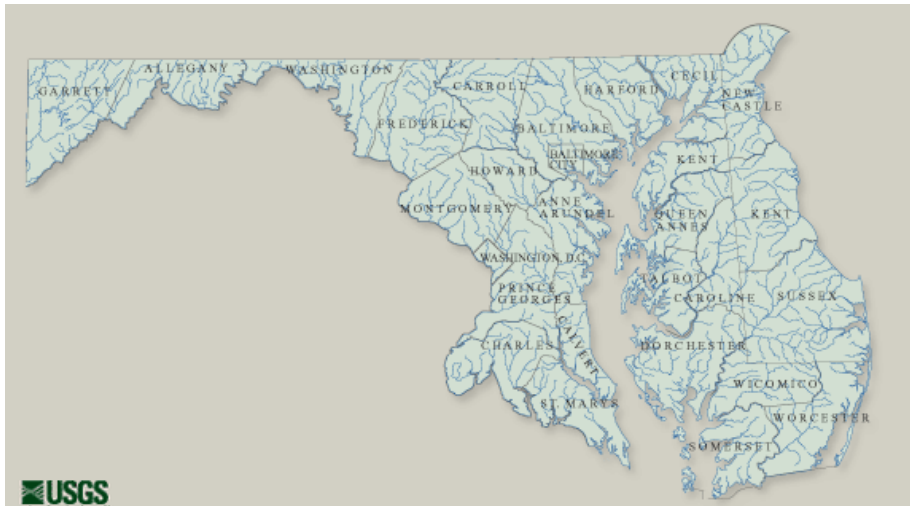
Living Green in Airports

Icheon International Airport in Seoul has the right idea regarding customer satisfaction. Besides the skating rink, cultural center and childcare areas, it has an impressive seven gardens throughout the building. Who would complain about having a layover in Seoul? I sure wouldn't!



New Optigrün Edging System

Optigrün International AG recently released a completely redesigned green roof edging system. Created from recycled ABS, the new edging system uses hinge and click connections. The 3-point connection system is quick and makes laying perfectly straight edges a breeze!



Protecting the Chesapeake Bay:

The Chesapeake Bay is the heart of Maryland. Not only does it fuel our economy and recreational activities, with over 64,000 square miles it is home to over 2,700 different species of flora and fauna. It is an important resource that should be cared for adequately.

Excessive runoff is a huge culprit of transporting trash, chemicals, nutrients, along with other things that end up polluting the bay. With storm season lurking around the corner, Maryland is trying to prevent these mini flood events from polluting the Bay even more. To mitigate for these rushing stormwater events, stormwater fees will soon be added to everyone's quarterly water bill. There is no avoiding this fee that will essentially be paying for the impervious surface area one has on their property. Residential properties won't have such a heavy fine, but businesses may have to start paying a pretty penny. For example, take a look at any mall, the entire property is a combination of roof and blacktop.

The stormwater fee may be something you worry about, but there are ways to reduce the fees. Planting trees, implementing rain gardens, and most importantly, adding vegetation to your rooftop are all proven ways to earn credits toward reducing the cost of the fees. Let's strive to keep Maryland beautiful; the Chesapeake Bay thanks you.





Education and Green Roofs - A Learning Experience

The Calhoun School in NYC is a great example of a school utilizing green roof space to form environmental curriculum and promote a hands on learning experience. Back in May of 2005, renovations presented the perfect chance to retro-fit the building with a brand new intensive green roof. The green roof wasn't simply installed for environmental benefits; these renovations created a unique opportunity for outdoor science classrooms and an herb garden in the heart of an urban space.

Implementing intensive green roofs, extensive green roofs or educational rooftop farms within urban schools would be a great learning tool as well as a benefit to the environment. Besides the obvious positive environmental aspects (stormwater mitigation, insulation, urban heat island relief, etc.) this green space can be used as an outdoor classroom, gardening space or for research.

Incorporating environmental education into an elementary curriculum is beneficial for two main reasons. Learning to respect the environment at an early age is relatable to environmental ethics later in life. An environmentally friendly routine during childhood makes it more likely that these habits will continue down the road. And spending secondly, spending time outside improves self-esteem, motivation, reading ability and imagination, along with calming capabilities and decreases stress levels.

In the current age of technology, it is easy to spend the majority of your day staring into a glowing screen considering our dependence on computers, smart phones, TVs and e-readers amongst others. Children especially spend a significant amount of time with electronics as companions, inside and outside of school. I may still be in my early twenties, but within the past decade trends have quickly changed; my childhood was spent outside, no internet, no cable, and no smart phones, unlike today. The consequence of a lack of time spent outside has been researched in depth by journalist and author, Richard Louv. He has deemed this phenomenon as Nature Deficit Disorder, and explains the issues associated with a lack of nature in childhood in his book "Last Child in the Woods," published in 2005.

Intensive green roofs can bring a whole new set of opportunities right into the classroom. Hands on experiences, the potential for learning about and growing fresh food, and an on-site outdoor classroom are a few worth mentioning.



Living Green in Airports

Seoul's massive airport is a popular destination for connecting fliers headed to other parts of East Asia from the Americas and Europe. Thanks to its comfortable transit seating areas, expansive duty-free shopping mall and airy main terminal, Incheon earned the highest overall score on the 2012 Skytrax customer satisfaction survey. Incheon also is one of the world's most family-friendly airports. Not only does it have a children's play area, but also childcare lounges and nursing rooms. Older kids might enjoy spending some pent-up energy at the Ice Forest, a large skating rink in the airside terminal.

Other bonuses: This is one of the few airports in the world where you can get free access to a computer and Wi-Fi. Incheon has an impressive seven gardens in the passenger terminal and one in the transportation center. Finally, a free cultural center features exhibits on Korean culture and traditional dance and folk music performances.



New Optigrün Edging System Type SKL for Extensive Green Roofs

Optigrün International AG (1-800-627-4955) recently released a completely redesigned green roof edging system. Created from 3.5 mm recycled ABS (with UV stabilizers of course), the new edging system uses hinge and click connections. The 3-point connection system is quick and makes laying perfectly straight edges a breeze.

The Type SKL edging system is available in 8 cm & 12 cm heights. The edging system consists of two types of pieces, 1100 cm lengths and 300 cm corners.

The versatile and easy to ship system can be designed for numerous applications such as separations, terminations & drainage channels. For more information and purchase opportunities in North America please contact us at Green Roof Technology.

Ideal for roof slopes up to 5°.