



# Rehbein

ENVIRONMENTAL SOLUTIONS

Developing environmental  
tools that change the impact of  
construction on the environment



Consulting /// Engineering /// Remediation /// Turf Production

Research + Development /// Training /// Construction

**A LEGACY OF INNOVATION**

## THE GREEN BOTTOM LINE

At Rehbein Environmental Solutions, we understand that sustainable conservation design should support the bottom line. In developing innovative solutions, we consider the total return on investment for our clients in four interrelated areas: finance, usability, environment, and public image.

This green bottom line considers the return to all stakeholders: owners, regulators, designers, consumers, and the environment.



## LEED STANDARDS

**We provide leadership and support in our clients' efforts to meet the qualifications of the LEED Green Building Rating System. Our EPIC System can add 6 points to our clients' LEED qualification scores. This represents 23% of the points needed to achieve a level of LEED Certified.**



## The Legacy

Founded in 1956, Glenn Rehbein Companies is a successful construction and remediation firm now celebrating 50 years of service. Inspired by his father's years of recognizing the value of developing innovative solutions to wide-ranging problems, Mark Rehbein has now founded Rehbein Environmental Solutions, Inc. In doing so, Mark has assembled a team of the leading professionals and technicians in the environmental solutions industry to recognize the immense untapped value in environmental design solutions.

At Rehbein Environmental Solutions, our team is encouraged to be creative and to "bring their ideas to the boardroom." Our philosophy is that innovation is key to the preservation of our environment.

**Innovation is our culture.**



## EPIC SYSTEM

Jonas Sipaila patented the Environmental Passive Integrated Chamber (EPIC) based on a revolutionary but surprisingly simple concept. It is a proprietary non-pressurized gravity flow irrigation and drainage system which relies on capillary water movement and evapo-transpiration from a subsurface water supply. Research has shown that the EPIC System provides better turf quality while reducing irrigation needs 60% or more when compared to conventional irrigation methods.

Rehbein Environmental Solutions aims to be the leader in innovating, integrating, and implementing environmental solutions, thus redefining the way construction is done.

## EPIC SYSTEM VS CONVENTIONAL SPRINKLERS

10 Acre Area	Sprinklers	EPIC System
Water use per year @\$2.43/1000 gallons	26 million gallons \$63,180	11 million gallons \$26,244
Fertilizer Loss	40%	0%
Sprinkler system repair parts	\$7,000	\$0
Labor force plus benefits	\$120,000	\$70,000
<b>Cost per year</b>	<b>\$190,180</b>	<b>\$96,244</b>
<b>Savings per year</b>		<b>\$93,936</b>
<b>10 years savings</b>		<b>\$939,360</b>



## TURF MESH

**Advanced Turf Mesh Elements**  
Netlon Turf Systems represents a unique range of technologies and products that improve the capabilities of grassed areas to withstand heavy and intensive wear. Depending on project specifications and expected impact, Netlon products can be integrated into your project to:

- Add to the aesthetic value of your property
- Improve your public image
- Lessen impact of foot and other traffic
- Spread the weight of heavy loads
- Allow for multi-use areas potentially resulting in ancillary revenue



## POROUS PAVERS

**Porous Concrete Pavers**  
Porous concrete paver systems that are used with the right sub-base construction can aid in the capture and filtration of stormwater and the attenuation of precipitation events. Implementation of these systems can result in:

- Water storage for possible reuse
- Water savings
- Hydrocarbon filters
- Water biotreatment
- Stormwater detention
- Improved aesthetics of your property



## GREEN ROOFS

**Muellner Green Roof System**  
An attractive and functional green roof that is beneficial to owners and tenants.

- Stormwater management solution
- Attractive and useful green space
- Reduce air and noise pollutants
- Reduce urban heat islands
- Improve building energy efficiency
- Improve public image

## THE BENEFITS ADD UP

### Environmental

- Decreased water usage
- Minimize fertilizer runoff
- Decreased chemical usage
- Reduced urbanization effects
- Reduced air & noise pollution
- Water re-use
- Reduced heat island effects
- Passive technology

### Economic

- Decreased resource usage
- Lower peak demand rate
- Lower maintenance costs
- Increased system life
- More usable land
- Increased energy efficiency
- Integrated savings

### Functional

- Simple, practical physics
- Multi-purpose surfaces & areas
- Exceptional drainage
- Freeze tolerant
- Easy maintenance
- Fewer moving parts
- Increased safety
- Stormwater management

### Image

- Environmentally conscious
- LEED certification
- Forward-thinking
- Public esteem
- Reduce, reuse, recycle
- Enhanced beauty
- A Green Bottom Line



**BUILDING YOUR GREEN BOTTOM LINE**

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8651 Naples Street, NE • Minneapolis, MN 55449

(763) 784 0614

[rehbeinsolutions.com](http://rehbeinsolutions.com)