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Innovative Stormwater Management Solutions
Since 1993
Suntree Technologies Inc® is a privately owned and operated stormwater solutions and manufacturing company in Cocoa, Florida led by founder and president Tom Happel. Since its inception in 1993, Suntree Technologies has expanded its operations into a nationally recognized brand as a provider of high performing stormwater management products. The company consistently and prominently exhibits its products in over 20 stormwater related conferences nationally every year. Staff members at Suntree are highly specialized and incredibly knowledgeable about many stormwater management processes and solutions, gathering a vast amount of expertise over 24 years of experience.

Suntree Technologies is highly involved in the design process, constantly developing new technologies and inventions. In fact, Suntree has accrued over 30 patents and numerous product certifications over two decades with many more still pending. Additionally, Suntree has built many strategic alliances with universities, its distributors, and nationally recognized concrete precast companies, cultivating rich partner relationships and good friends. As a leader in the stormwater treatment field, Suntree Technologies offers a complete line of treatment devices and technologies from hydrodynamic separators to inlet filters to media filtration systems. Having secured and participated in thousands of installs nationwide, Suntree consistently outperforms the competition with products that are economical, sustainable, and easy to service. Suntree's staff of industry professionals will provide design solutions that are enhanced by our trusted line of water quality improvement products.

"Our product line and services have evolved after years of working with others to help them solve stormwater pollution and erosion problems. The ability for municipalities to retrofit existing stormwater structures with our products saves both taxpayer funds and brings local watershed management within specification without sacrificing quality. Custom solutions to unique problems are our specialty."

-Tom Happel,
Suntree Technologies President
Innovation

Our research & development team is at the forefront of emerging technologies to offer a complete line of products that meet and exceed, NPDES permitting and TMDL requirements for environmental protection. Suntree Technologies Inc® holds 32 patents for stormwater treatment designs, many of which include Hydro-Variant Technology™.

Experience

Suntree Technologies Inc® products have gained many nationally recognized certifications and are widely accepted for Best Management Practices. With thousands of installations throughout the nation, our comprehensive product line enables an array of treatment choices and design flexibility. Each product is rigorously tested to ensure capability and reliability, and is supported by a staff of experienced industry professionals.

Solutions

At Suntree Technologies, we are more than a stormwater device manufacturer, we are your stormwater solutions source. For over two decades we have worked with engineers, scientists, municipalities and environmental experts to develop new stormwater treatment options that are economical, durable and reliable. Our specialized team of professionals is dedicated to working with our customers to ensure every project is a success! Our growing network of distributors and partners include leading industry experts, allowing us to better collaborate to put our experience to work for you. We specialize in developing customized solutions to challenging problems.

Reliability

Better quality means better reliability. You can be confident that specifying a Suntree product will meet or exceed your treatment requirements and performance goals. Our products are the easiest in the industry to install and fit within existing easements making them a perfect choice for retrofits into your existing watershed. All of our products are constructed to be a permanent part of the infrastructure, made from high quality materials with superior performance and easy maintenance.

Responsibility

We strive to be responsible stewards of the environment, belonging to many professional associations, exhibiting at various water quality conferences each year and sponsoring environmental improvement efforts. Suntree management and staff members volunteer at outreach events, public education programs and also shoreline cleanup activities.
Suntree Technologies Inc®
Distributor Area Map

* Suntree Technologies Inc® International Distribution Includes China and Australia.

- **GEOTECH SOLUTIONS**
- **ASP – QUICK SUPPLY**
- **JEN – HILL**
- **OLDCASTLE INFRASTRUCTURE**
- **S³ – LB WATER CO**
- **FERGUSON**
- **SUNTREE DIRECT**
- **CONSTRUCTION ECO SERVICES**
- **HANES GEO**
**Nutrient Separating Baffle Box®**

The Nutrient Separating Baffle Box® is the standard for online sediment capture without associated headloss and sediment scouring. The only hydrodynamic separator with patented lidded screens to prevent nutrient leaching and septic water.

- Fits within existing easements
- Patented screens maximize storage
- Pretreatment for rainwater harvesting and wet or dry detention systems
- Full capture for trash TMDL's
- Retrofits existing watersheds
- Will not go septic between storms
- Easy vacuum truck servicing
- Dry state storage separates debris and trash from water and sediment

**NRFS™ Nutrient Removing Filtration System**

Post Treatment for ponds or for detention systems, the NRFS™ uses an orifice flow control to maximize contact time with the Bold & Gold® media for nutrient removal and TSS prior to discharge, can include Hydro-Variant Technology™. The NRFS™ with Bold & Gold® is ideal for pretreatment prior to rainwater harvesting, LID, water quality improvement or post treatment following detention prior to discharge.

- Media resists clogging
- Removes TP, TN and TSS
- No prefilters required
- No organics to degrade and lose treatment capability
- Retrofits existing watersheds
- Uses Bold & Gold® Media
- Easy vacuum truck servicing
- Low maintenance: Media Removal not required for typical servicing procedures
Suntree Products
Treatment Devices

Nutrimax™
Includes **Hydro-Variant Technology™** and is the only engineered wetland designed to maximize Bold & Gold® media BAM for superior nutrient reduction. Nutrimax™ does not require a prefilter, eliminating the clogging and failures associated with other linear constructed wetlands. Treatment is both flow and detention based, making the Nutrimax™ ideal for use in Ultra Urban areas and parking lots with limited space.

**Grate Inlet Skimmer Box™**
The GISB™ is a specialized inlet filter for grated catch basins. During a storm event, stormwater passes through the skimmer tray coming into contact with a hydrocarbon absorbing StormBoom™. Stormwater then flows into the lower skimmer box where small sieve sized screens capture and hold debris and sediment. Turbulence deflectors in the filtration box act to calm the water to prevent the resuspension of sediments while purified stormwater safely flows through the catch basin.

**Nutrimax™**
- Multi Stage treatment system
- Design blends with landscape
- Low maintenance: Media Removal not required for servicing
- No prefilters required
- Retrofits existing watersheds
- Minimal space requirements
- Easy vacuum truck servicing
- No organic materials to degrade and lose treatment capability

**Grate Inlet Skimmer Box™**
- No need for confined space entry
- Removes more than 80% TSS
- Easy service via vacuum truck
- Built strong: fiberglass and stainless steel construction
- Will not impede design flow of the inlet
- Bypass openings prevent clogging
- Full capture for trash TMDL's
- Optimized filtration: multiple sieve size screens for enhanced filtration
Suntree Products
Treatment Devices

6.2 Stormwater Design, Quality Control

- Full capture for trash TMDL's
- Filters stormwater entering shallow curb inlets and catch basins
- Multi stage filtration captures an array of contaminants

- No need for confined space entry
- Easy vacuum truck servicing
- Built from fiberglass and stainless steel
- For shallow catch basins with a low volume of average collected debris

Standard Capacity Curb Inlet Basket™
The Standard Capacity Curb Inlet basket™ is a specialized inlet filter used in shallow catch basins where the only access area is a manhole. The system is unique for its Shelf System which directs stormwater flow into the filter that is positioned directly under the access manhole. The CIB™ is a multi stage filtration system that captures a variety of different size pollutants and debris during a storm event.

High Capacity Curb Inlet Basket™
The High Capacity Curb Inlet basket™ is a specialized inlet filter used in deep catch basins where the only access area is a manhole. The system is unique for its Shelf System which directs stormwater flow into the filter that is positioned under the access manhole. The HCCIB™ is a multi stage filtration system that captures a variety of different size pollutants and debris during a storm event and is able to contain a high volume of debris weighing hundreds of pounds.
Bold & Gold® Media

Bold & Gold® is a Biosorption Activated Media used for pollution control used to reduce nitrogen, phosphorus, TSS and turbidity levels in stormwater. High levels of phosphorus and nitrogen have the potential to compromise human health and ecosystem integrity. Bold & Gold® is an ideal media for pre-treatment prior to rainwater harvesting or post treatment following detention prior to discharge.

StormBoom™ Media

A StormBoom™ is a pollutant absorption media sock used within stormwater BMP's to remove chemicals and hydrocarbons from stormwater runoff. Designed and developed into four types, StormBoom's™ can cover a wide spectrum of pollutants suited for an array of applications.

Type 1  Absorbent W
Type 2  Melt Blown Polypropylene
Type 3  50 - 50 Types 1 & 2 Blend
Type 4  Polymer Crumb Filler

- Hydrocarbon absorption booms designed specifically for chemical pollutant reduction in stormwater
- Available in a variety of absorption material types and blends
- Absorbs hydrocarbons on contact
- Economical low cost media
- Easy installation, simple to service
- Resists clogging issues
**Suntree Products**

**Service Tools**

**Patented and Patents Pending**

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**HydroSlide™**

The HydroSlide™ is an optional servicing system for use in the Nutrient Separating Baffle Box®, Nutrient Removing Filtration System™ and Nutrimax™ to facilitate sediment removal. The system reduces servicing time, lowers maintenance costs and eliminates confined space entry.

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**SunGate™**

The SunGate™ is a flow control gate used to isolate a vault treatment system for servicing. The gate is easy to deploy under full hydraulic load inside its track system and does not require confined space entry. The SunGate™ can also be used as a flood control element within lake control structures.

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**SkimBoss™ Floating Skimmer**

The SkimBoss™ floating skimmer system prevents floating pollutants from passing through a treatment vault. Having primary buoyancy on the inflow side allows the skimmer to match fast rising water levels regardless of the level on the outflow side. It is the flag ship of Suntree’s **Hydro-Variant Technology™** product line.

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**Sunview™ Observation Cover**

The Sunview™ observation cover system is an excellent tool for community outreach and pollution awareness programs. The clear lid windows & accompanied signage make a great choice to satisfy education requirements for 319 grant funding and NPDES programs.
Since 1993, Suntree Technologies Inc® has been developing stormwater management solutions which emphasize performance innovation and reliability. Our Research and Development team are experts in the field, developing products that are constantly at the forefront of cutting edge technologies while accruing 32 patents along with various certifications and testing verifications. Having secured and participated in thousands of installs nationwide, Suntree consistently delivers products that are economical, sustainable, durable and easy to maintain. Suntree Technologies products are consistently considered Best Management Practices for more than two decades while even garnering environmental awards for excellence and sustainability.

**Hydro-Variant Technology™** is a unique method for stormwater treatment which provides a very high level of treatment without compromising the hydrology of a watershed. Many of Suntree's products are specifically designed to incorporate the application of Hydro-Variant Technology™. When considering what to do to prevent stormwater pollution, the greatest challenge and source of pollution is fixing and retrofitting everything that has already been built. Treatment systems that apply Hydro-Variant Technology™ are the most cost effective, and sometimes the only approach possible for retrofitting existing watersheds. Our staff members are expert solution specialists in stormwater management practices, manufacturing, and installation. Their strong collaborative efforts with engineers and contractors allow for the best possible planning and installation scenario while working together to solve complex challenges.

At Suntree Technologies we're more than a team of individuals, we're a family that knows the importance of care, collaboration and quality in all aspects of our work. You can rest assured that you and your project will be shown the utmost care and the highest quality service because our process is proven and our products are perfected to perform, Storm after Storm!
RULERS OF THE STORM SINCE ‘93