

*Drainage
Geocomposites*



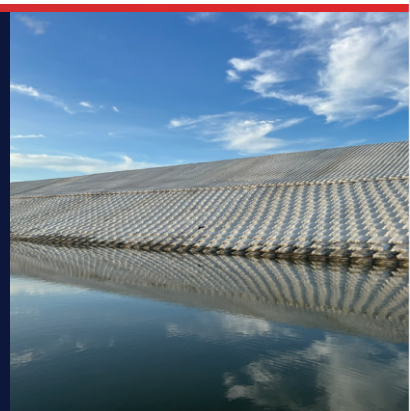
*Geohazard
Products*



*Reinforcement
Geosynthetics*



*Environmental
Protection
Geosynthetics*

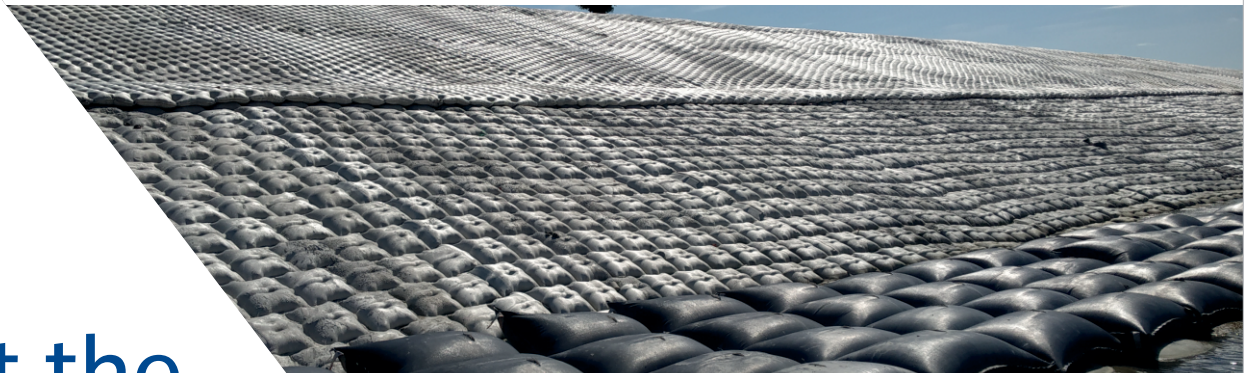


**ADVANCED CONSTRUCTION
MATERIALS**



TECHREKETMENT
FOR COASTAL PROTECTION

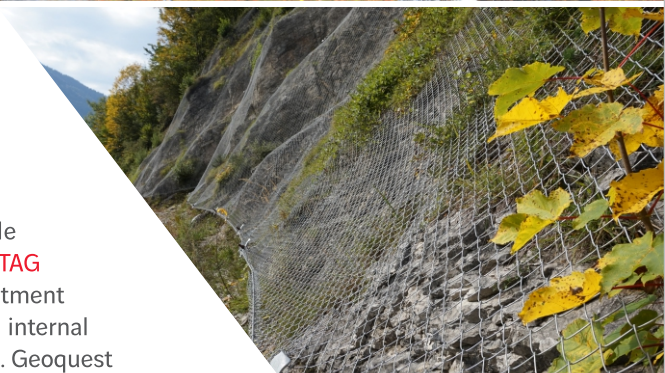




About the Company

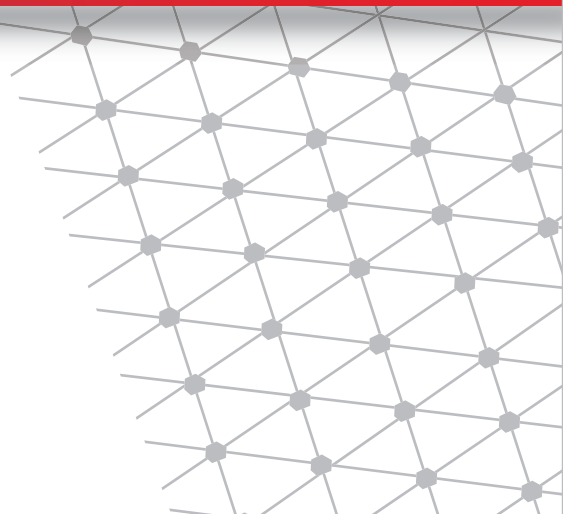
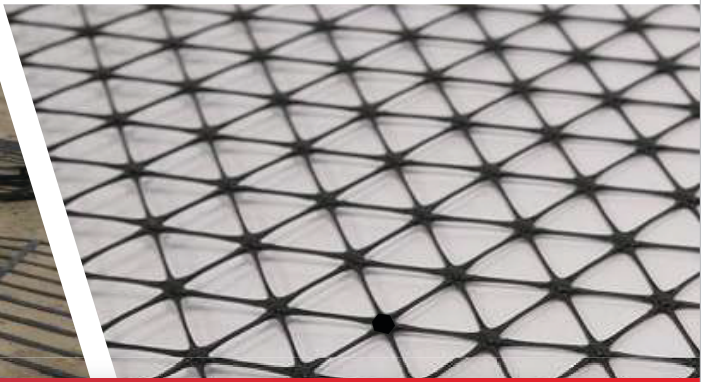
Geoquest Products Asia Pte. Ltd. a subsidiary of Soletanche-Freyssinet, was established in 1980. The company operates in East Asia, South-East Asia and Middle-East. It offers premium quality technical products in the field of civil infrastructure and hydraulic protection, geohazard and industrial risk mitigation, basal reinforcement, ground stabilization and drainage improvement. Geoquest's products and solutions are defined by two main business lines: **Protect and Strengthen.**

Geoquest Products Asia Pte. Ltd. steadily operates on its fundamental principle of providing quality certified products and services to its customers. All our products are tested and validated according to the applicable International standards and guidelines. **ISO, CE, EPD, GAI-LAP, NTPEP, BIS, ETAG and WLV** are few of the certifications that signifies our approach and commitment towards product quality. Our organization conducts stringent and regular internal audits to ensure that its processes meet and satisfy the client's requirements. Geoquest Products Asia Pte. Ltd. adequately complies with all regulatory requirements. We have in place a systematic method for proactively identifying and correcting any discrepancies and preventing any potential non-compliance from occurring.





Reinforcement Geosynthetics



ArmaLynk



ArmaLynk is a premium and high strength soil reinforcement geosynthetic, manufactured from high tenacity polyester or PVA yarns, extruded to form polymeric strips encased in polyethylene sheath, and welded together with cross strips to generate a stable and strong geogrid structure. ArmaLynk is used as basal reinforcement for building roads, bridges, runways, railways, working platforms, and heavy-duty pavements.

ArmaLynk Geocomposite is an engineered combination of a high-tensile ArmaLynk geogrid and a non-woven geotextile, designed to provide reinforcement along with separation and filtration functions.



Premium Soil Reinforcement

ArmaLynk is available in following variants*:

ArmaLynk UX:

Strength up to 1800 kN/m in
PET and up to 1000 kN/m in PVA

ArmaLynk BX:

Strength up to 600 x 600 kN/m
in PET and PVA

HA ArmaLynk UX:

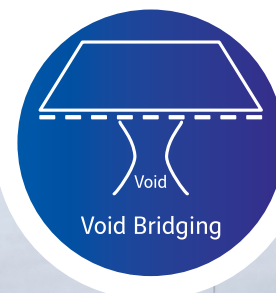
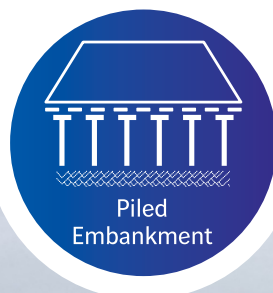
Strength up to 800 kN/m in
PET and PVA

HA ArmaLynk BX:

Strength up to 600 x 600 kN/m in
PET and PVA

ArmaLynk Geocomposite

*Strength and grades can be customized as per project needs



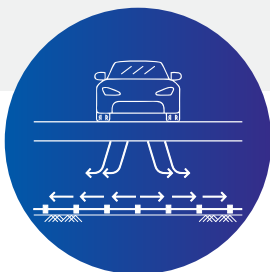
ArmaGrid



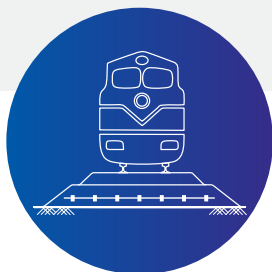
ArmaGrid is a uniaxial or bi-axial geogrid made from either polyester or polypropylene or HDPE (only uniaxial). It is used as soil reinforcement in various applications such as foundation improvement, trackbed stabilization, asphalt reinforcement, basal reinforcement and many more. Geoquest uses in-house design capacity to select and recommend the type and strength of material based on the actual site condition.

ArmaGrid Geocomposite integrates the strength of a geogrid with the functionality of non-woven geotextile, delivering superior reinforcement, separation, and filtration performance in one solution.

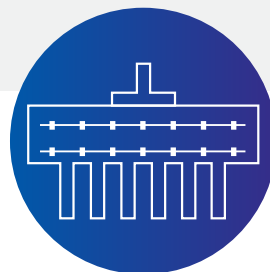
Applications



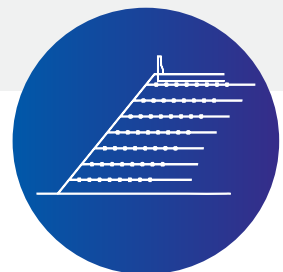
Sub-grade Stabilisation



Track Bed Stabilisation



Foundation Improvement



Slope Engineering

ArmaGrid is available in following variants:

Welded or Bonded ArmaGrid

- ArmaGrid B UX (PET/PVA)
- ArmaGrid B BX (PET/PVA)

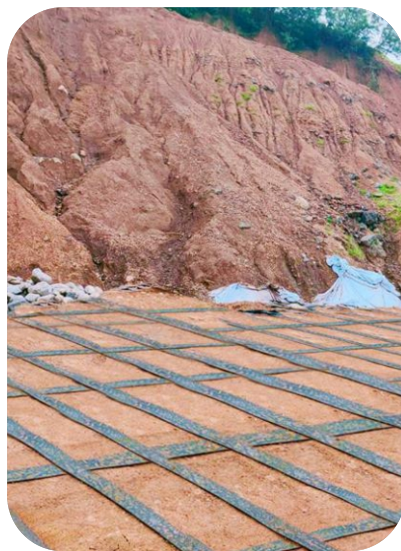
Extruded ArmaGrid

- ArmaGrid BX PP
- ArmaGrid UX HDPE
- ArmaGrid TX

Knitted or Woven ArmaGrid

- ArmaGrid W UX (PET)
- ArmaGrid W BX (PET)





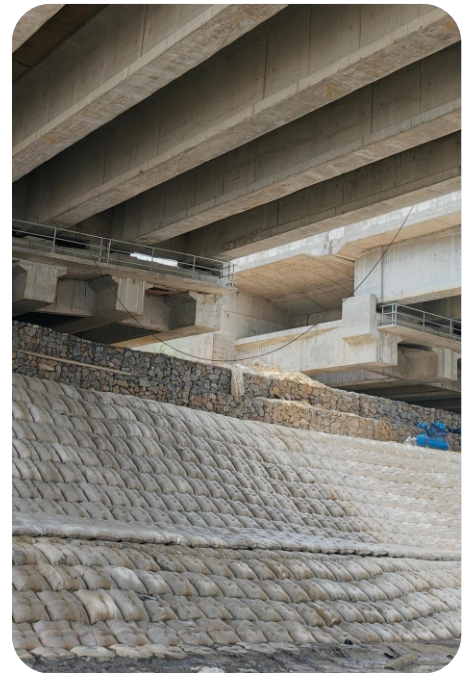
Environmental Protection Geosynthetics



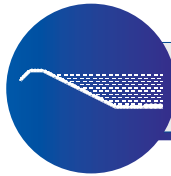
TechRevetment



TechRevetment is a pre-engineered factory customised fabric form concrete mattress system used for permanent erosion protection works. This engineered product is used to protect wet/dry embankments, protect bridge abutments against scour, for bed protection of major rivers and waterways, and for shoreline protection. This system can be installed at rapid speed and under water without the need for dewatering.



Applications



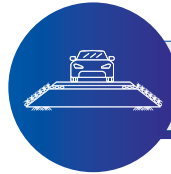
River bank protection
against erosion and scour



Guide bund and scour protection
of abutments and piers



Shoreline protection and quay
walls protection



Protection of road and railway
embankment slope



Impermeable lining works for
reservoirs & canals



Lining of industrial and solid
waste landfill

Types of TechRevetment



Filter Point



Filter Band



Uniform Section



Enviromat



Enviromat FX



Armor Unit



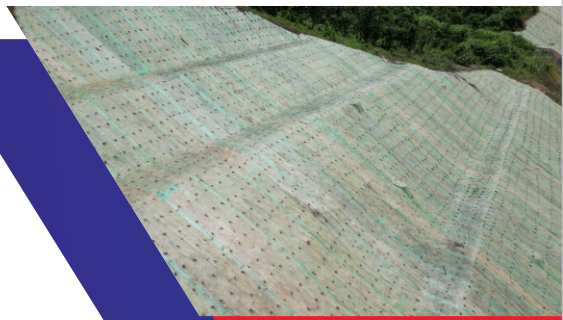
Articulating Block



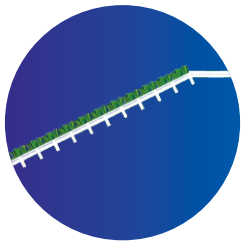


TerraGreen

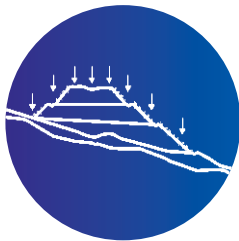
TerraGreen is a composite blanket material made essentially from natural coco fiber. Very often it is recognized as non-woven natural geotextile. It is a custom designed erosion control mat / blanket useful for protecting dry and intermittently wet and erodible slopes. **TerraGreen** is an eco-freindly solution for erosion protection by prompting vegetation growth in a faster way. **TerraGreen** as a stand-alone technique or in combination with other solutions like **TerraNail** or **TerraAnchor** is often used to mitigate low to medium grade surface erosions resulting eventual soil slips and slides.



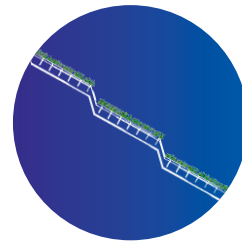
Applications



Embankment slope
surface protection –
Railroad, Highway etc.



Surface protection for
Mine dump



Hill slope surface
protection

Types of TerraGreen



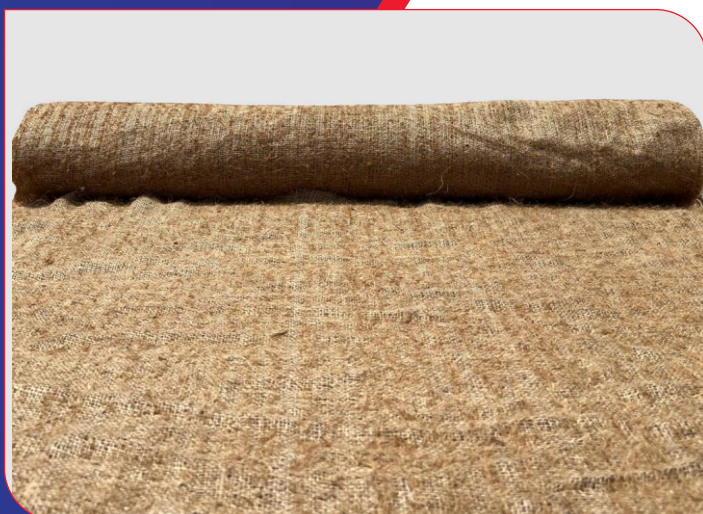
TerraGreen R



TerraGreen P



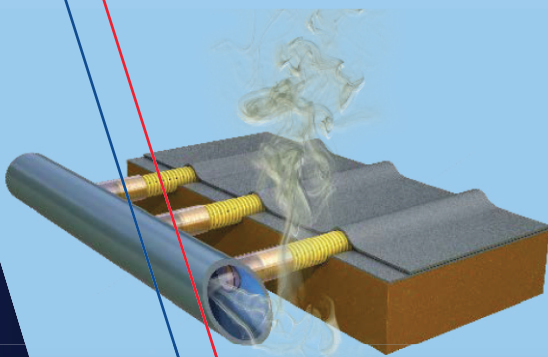
TerraGreen E Cotton



TerraGreen E Jute



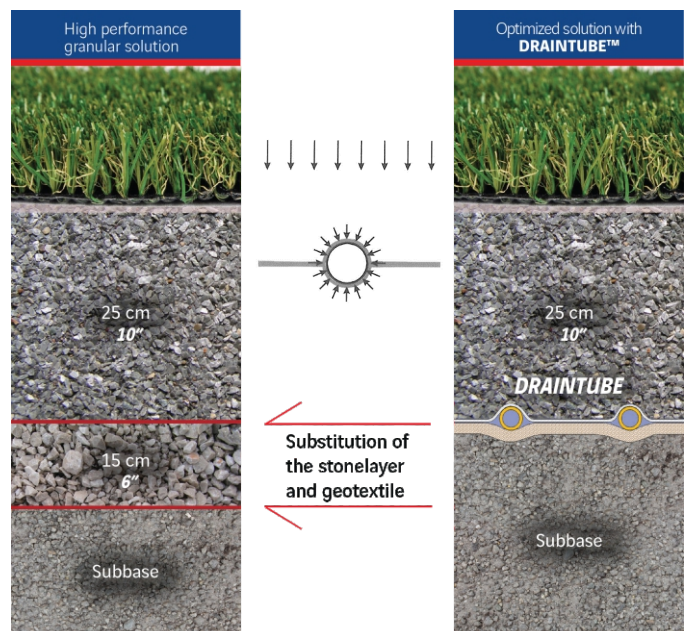
Drainage Geocomposite



Draintube



DRAINTUBE is a specialised sub-surface drainage product made from polypropylene(PP), TerraTextile filter(s), PP draining mat and mini-pipes; needle punched together to form a mutli-linear drainage geocomposite. Each roll performs the functions of separation, filtration and drainage. There is no risk of geotextile intrusion and effect of creep in Draintube. Therefore, the in-plane flow capacity in Draintube remains unaltered under high and sustained compressive load, making the product suitable for heavily loaded platforms, high embankment fills etc. Draintube can also be customized together with thin PE membrane for specific application.



Applications



Sportsfield



Mining



Road and Civil
Works

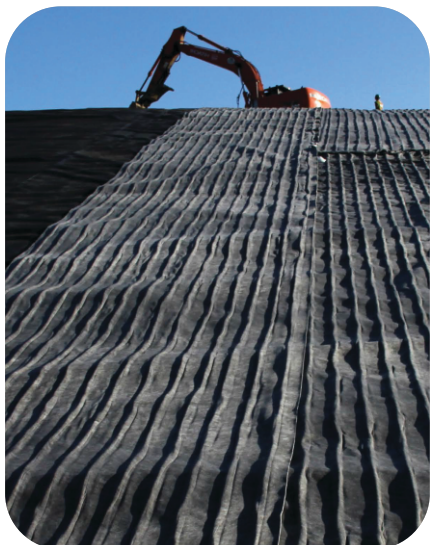


Environmental and
Waste Management

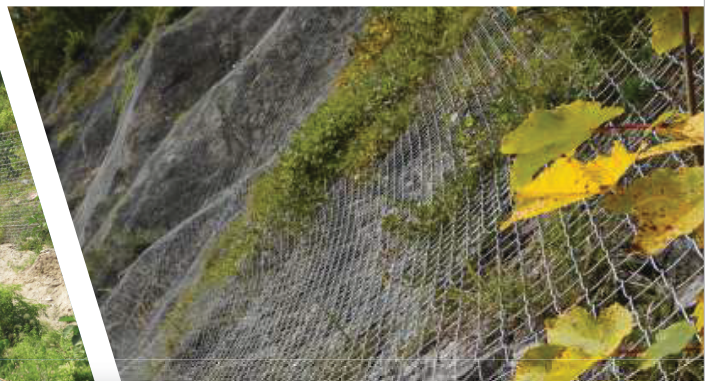


Landfill
Gas Management





Geohazard Products



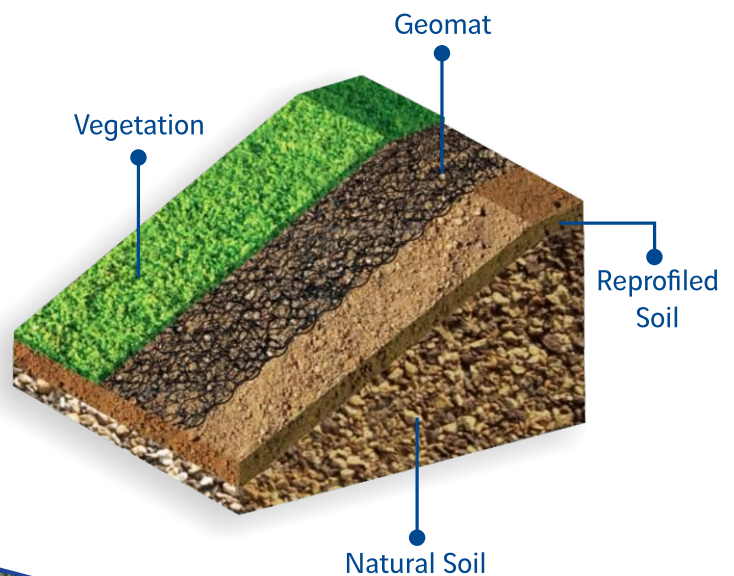
ArmaMat

ArmaMat is a combination product of TerraGreen and Rectangular netting used for steeper slopes where higher tensile strength is required from the erosion protection system. It is an ecofriendly solution with very low carbon footprint as compared to other similar products.



GeoMat

Geomat is polypropylene (PP) inter woven net used as Erosion Control Blanket (ECB) for naturally stable slopes. Reinforced Geomat is a combination of double-twisted mesh + Geomat used for steeper slopes.



Slope Retention

Geoquest Products offers engineered products for **Slope Retention** to retain the masses in-situ and prevent erosion and shallow landslides. It offers a high tensile (Mesh strength 150kN/m x 150kN/m) and low to medium tensile (Mesh strength 24kN/m x 24kN/m up to 120kN/m x 120kN/m) netting products depending on the site characteristics and protection requirements. All the wire net products offered by Geoquest Products are ETAG (EAD) certified and have same mesh strength length wise and width wise. It also offers wire rope nets having mesh strength up to 756 kN/m, typically used for active protection against over hanging boulders.



Rockfall Barrier

Geoquest Products offers passive engineered structural solutions that mitigate rockfall risk and control levels of damage. **Rockfall barriers** are made of high quality galvanized steel and certified by EAD (ETA) and/or WLV and/or BAFU. It is primarily applied to arrest and catch rocks, boulders, shooting stones that can be flowing or falling due to natural or man-made causes. **Rockfall barrier** is a support solution that holds these disintegrating and falling rocks/ boulders, subsequently avoiding damages to infrastructure, public/private assets and preventing disruptions such as traffic blockages. Geoquest Products offers 'sensor driven' and fully 'digital' Integrated Monitoring System also, that allows real-time alert of the rock fall events to owners and timely maintenance of the **Rockfall Barrier** system.

24/7 Remote Impact Monitoring for your protective Measures:



10+ Years Battery Lifetime

LoRaWAN Communication

Alert per SMS, E-Mail & Dashboard

Standalone Gateway

Types of Rockfall Barrier:



Hinged Post Systems



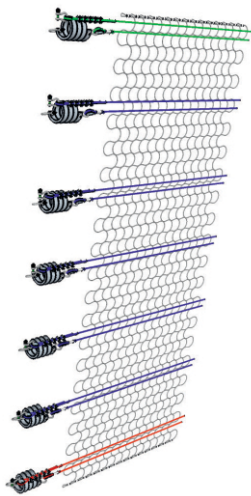
Fixed Rotation Systems



Hybrid Rockfall Fences

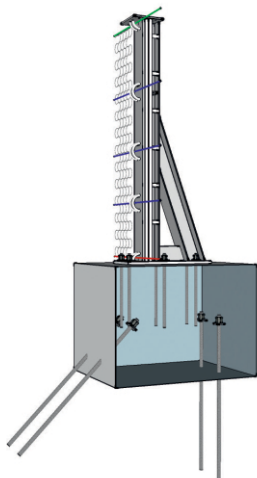
Debris Flow Barrier

Climate change raising the global temperature, thawing of permafrost areas, deforestation, natural hazards like cloud burst, flash floods etc. increase the threat of debris flows and shallow landslide. Geoquest Products offers **Debris Flow Barriers** in the form of either Gully Net or Debris Catcher that are used to protect infrastructure, utilities, buildings and lives from such debris flows and debris floods. Typically, these barriers are installed in the run-out or deposition zones, close to the elements at risk that they protect or in series in the torrent channel.



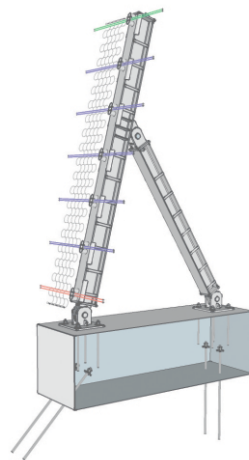
Least invasive and very cost efficient

Gully Nets



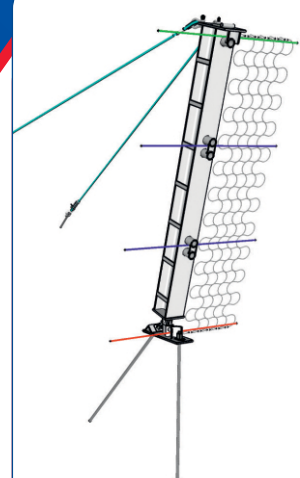
Compact, sturdy and low maintenance

Debris Catcher Delta Frame



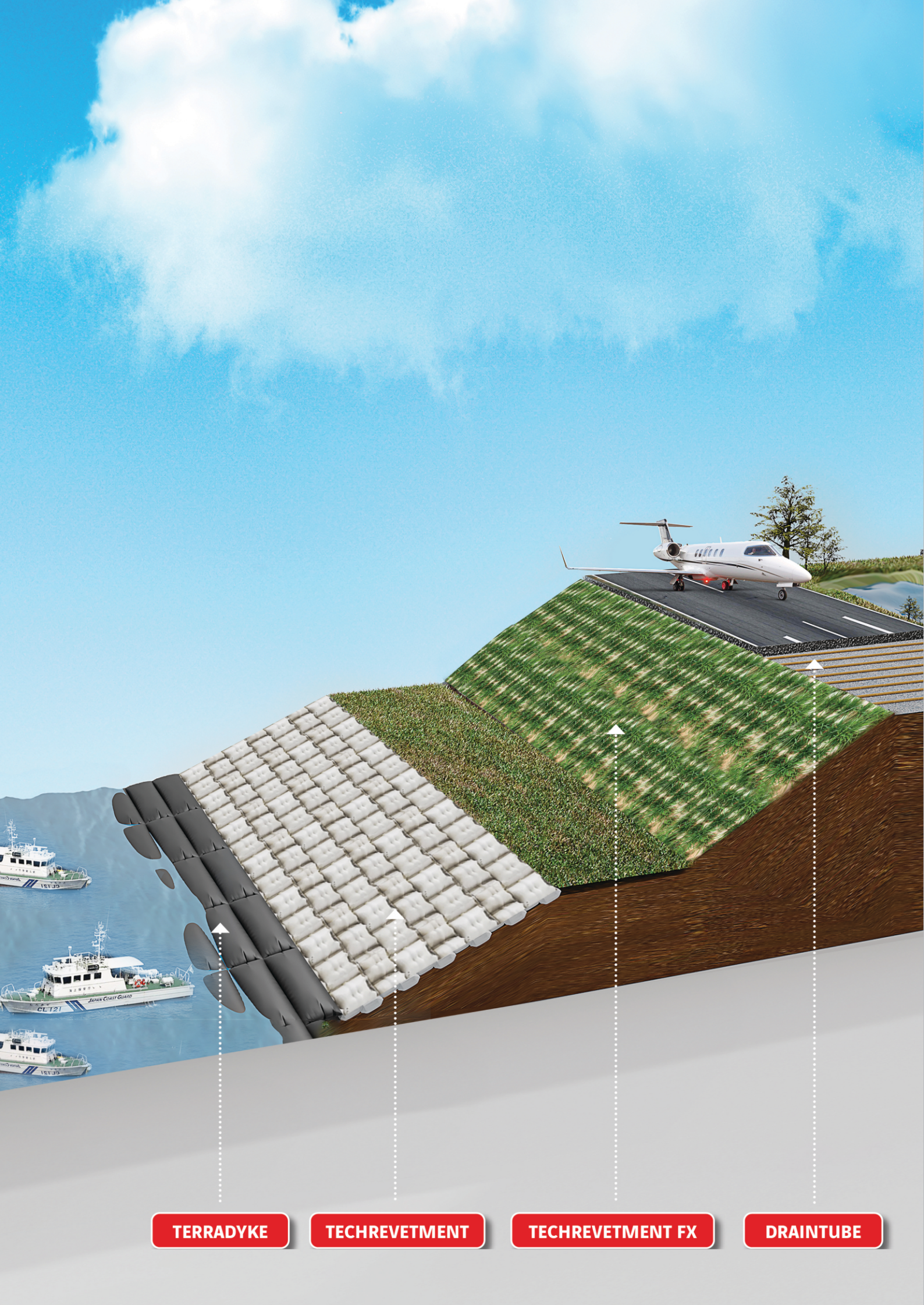
Large system heights and easy clean out

Debris Catcher Lambda-Frame



Light-weight and quick installation in difficult terrain

Shallow Landslide Barriers



TERRADYKE

TECHREVTMENT

TECHREVTMENT FX

DRAINTUBE



TERRAGREEN

ARMALYNK

ARMAGRID

**ROCKFALL
BARRIER**

**SLOPE
RETENTION
NET**



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Sustainable Technology

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