







Geoquest Products Asia Pte. Ltd. was established in 1980. The company operates in East Asia, South-East Asia and Middle-East Asia. 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 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, ETAG (EAD) 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 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.

### Business line: PROTECT





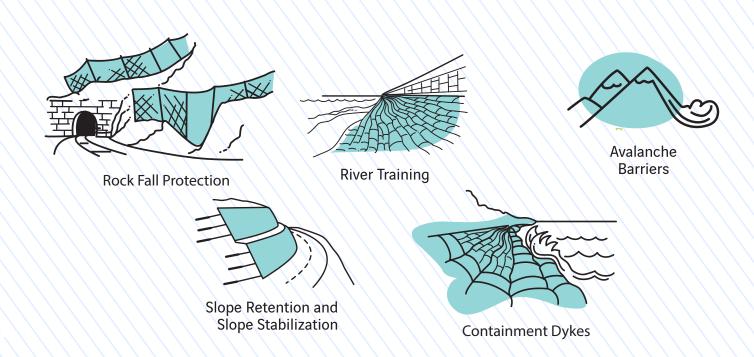
# **PROTECT**

Preventing & Protecting Infrastructures

he PROTECT applications assist the owner and our customer to prevent and protect critical and sensitive infrastructures from natural and manmade (including industrial) disasters.

The approach is to integrate our specialized products supported by our engineering knowledge and knowhow, and offer our customers the best-in-class solutions based on project specific needs. We also work closely with the best-in-the-industry associates and our strategic alliance partners to offer the best practices; as well as proven and time tested products.

Geoquest Products offers a complete protection systems package against erosion, rockfall, unstable rock and loose rock slopes, landslides, debris flow and avalanches.



# Slope Retention





### Rockfall Barrier



Geoquest Products offers passive engineered structural solutions that mitigate rockfall risk and control levels of damage. Rockfall protection barriers are made of metallic or composite materials and certified by EAD (ETA) and/or WLV. It is primarily applied to arrest and catch rocks, boulders, shooting stones that can be flowing or falling due to natural causes. The rockfall protection barrier is a support solution allowing to hold these disintegrating and falling elements, subsequently avoiding damages to infrastructure, public/private assets and preventing disruptions such as traffic blockages.



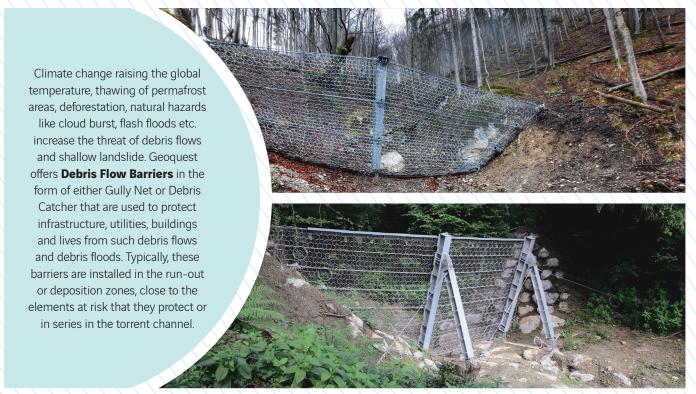
### Avalanche Barriers





### Debris Flow Barrier





# TerraGreen





# **TechRevetment**

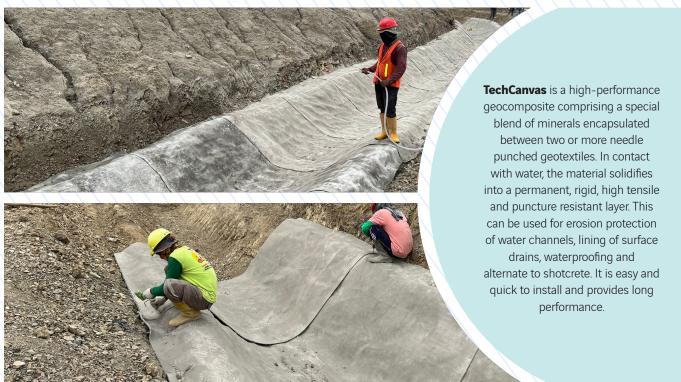






### **TechCanvas**





#### **Artificial Reef**



Climate change is affecting significantly the global coast lines. More than 70% coast lines are either eroded or damaged. Coral reefs already provide excellent natural protection for coastal regions. On an average they reduce wave heights by 84%. Unfortunately, the majority of these reefs have died and 90% are projected to be lost by 2040.

Geoquest Products can rapidly grow artificial reefs that dampen the waves and protect coasts from erosion using advanced digital technologies, natural seawater minerals and renewable power. We analyse the wave dynamics and design high tech steel structures that are easy to install underwater. These steel structures act as an attenuator by breaking the wave at a designated location and reduces its impact on the shoreline.

Our digital system continually monitors the environment, and uses a safe current to make seawater minerals crystalise into calcium carbonate rock. This forms a structure that mimics natural reefs. Within a year this transforms into a living reef that adapts and evolves with time.

















# Business line: STRENGTHEN





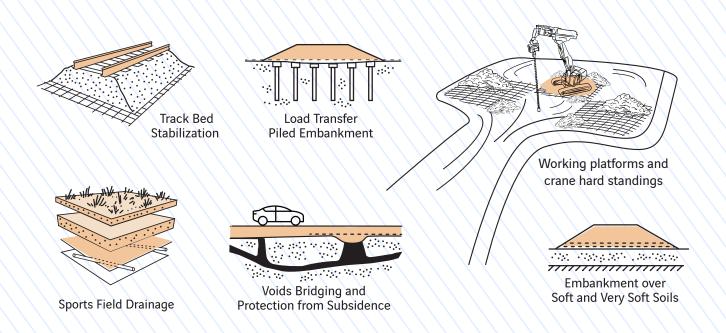
# **STRENGTHEN**

Soil Reinforcement and Ground Stabilization

he STRENGTHEN applications relates to products that involve Basal Reinforcement, Ground Stabilization and Drainage solutions.

We also deal in products that help in subgrade stabilization and improvement works, engineered solutions like bridging of voids and protection against subsidence, capping and piggy bagging of landfills, reinforcing lagoon closures, reinforcing and stabilizing embankments on soft and very soft foundations, load transfer platforms over piles, controlled modulus columns and stone columns.

Our engineered products help improve foundation of soil using high strength, low modulus proprietary geosynthetics for Basal Reinforcement applications, bi-axial geogrids and woven geotextiles for ground stabilization applications, cellular confinement system for load support and distribution alongside improvement of drainage systems with low creep and low intrusion drainage geocomposites.



#### DRAINTUBE







DRAINTUBE is a specialised subsurface 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. DRAINTUBE is a perfect product to be used in landfills (for leachate and landfill gas), mines, sportsfields and civil infrastructures to ensure long term drainage performance. Each roll performs the functions of separation, filtration and drainage.

### AlveoDrain



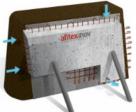
The geocomposite **AlveoDrain** combines two functions (drainage + protection mechanism) in only one product and also has a certification from the SOCOTEC group (Society of Technical Control and expertise of Construction).

Using **AlveoDrain** allows to facilitate and speed up the installation. In addition, the non-woven thermobonded filter prevents the fine particles from entering the draining layer and increases the lifetime of the system. Finally, the connection to the collecting pipe is simple by inserting the collecting pipe under the filter non-woven, without adding any draining material. **AlveoDrain** is used for protection and drainage

**AlveoDrain** is used for protection and drainage of basement walls. It can be installed against retaining walls, behind bridge abutments and along buried walls.











### ArmaGrid







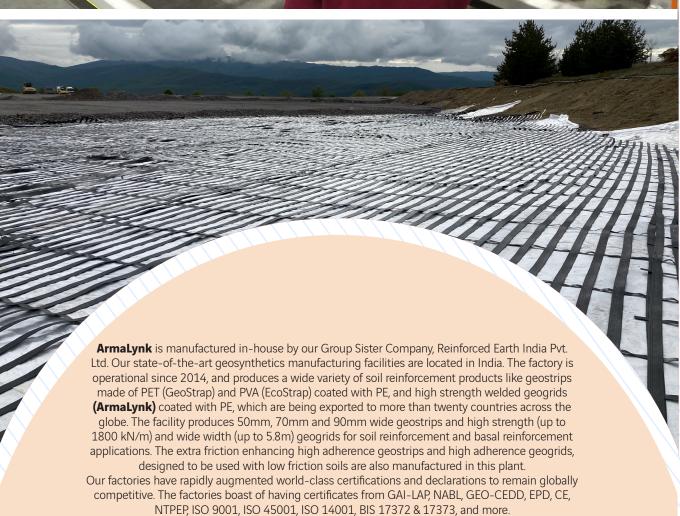
Geoquest Products uses in-house design capacity to select and recommend the type and strength of material based on the actual site condition.

structural foundations, by improving stability, enhancing load distribution and reducing differential settlement.

### ArmaLynk







**ArmaLynk** is a soil reinforcement geosynthetic, manufactured from high tenacity polyester 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 for various basal reinforcement applications like embankment over soft soils, protection against subsidence, void bridging and challenging ground stabilization for building roads, bridges, runways, railways, working platforms, and heavy-duty pavements.

**STRENGTHEN** 



### TerraLine





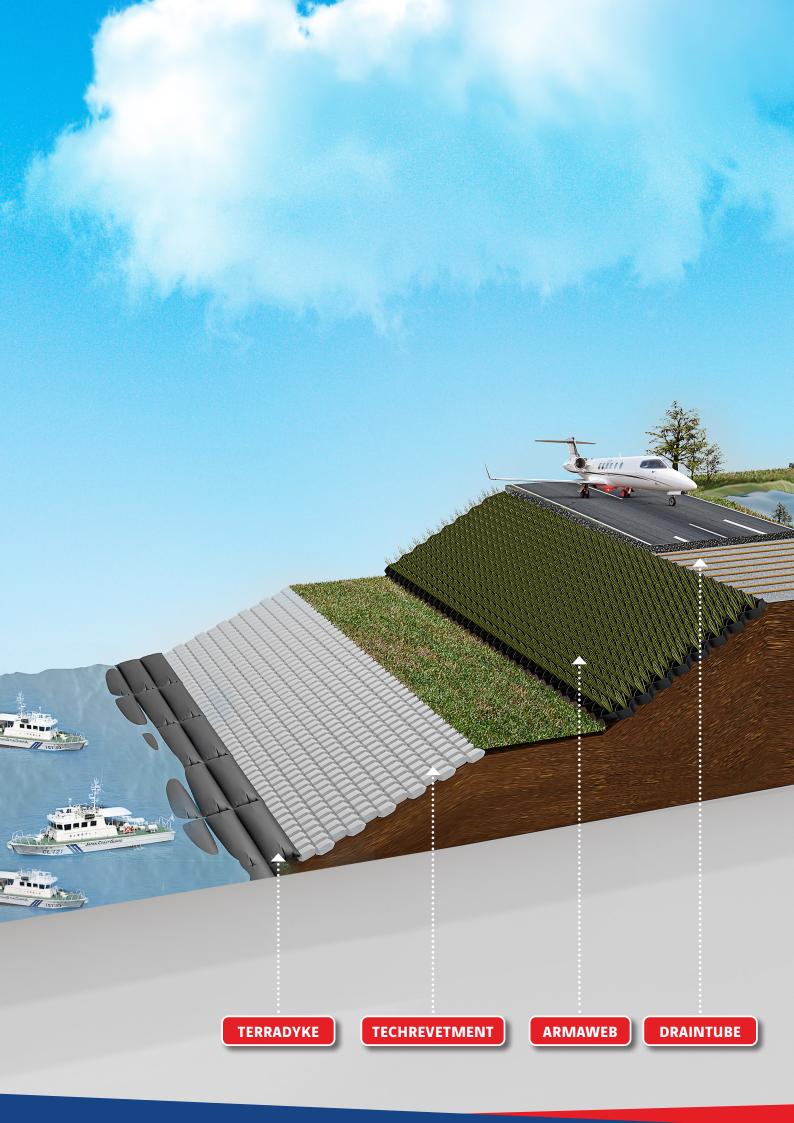
# TerraTextile (Woven + Non - Woven)

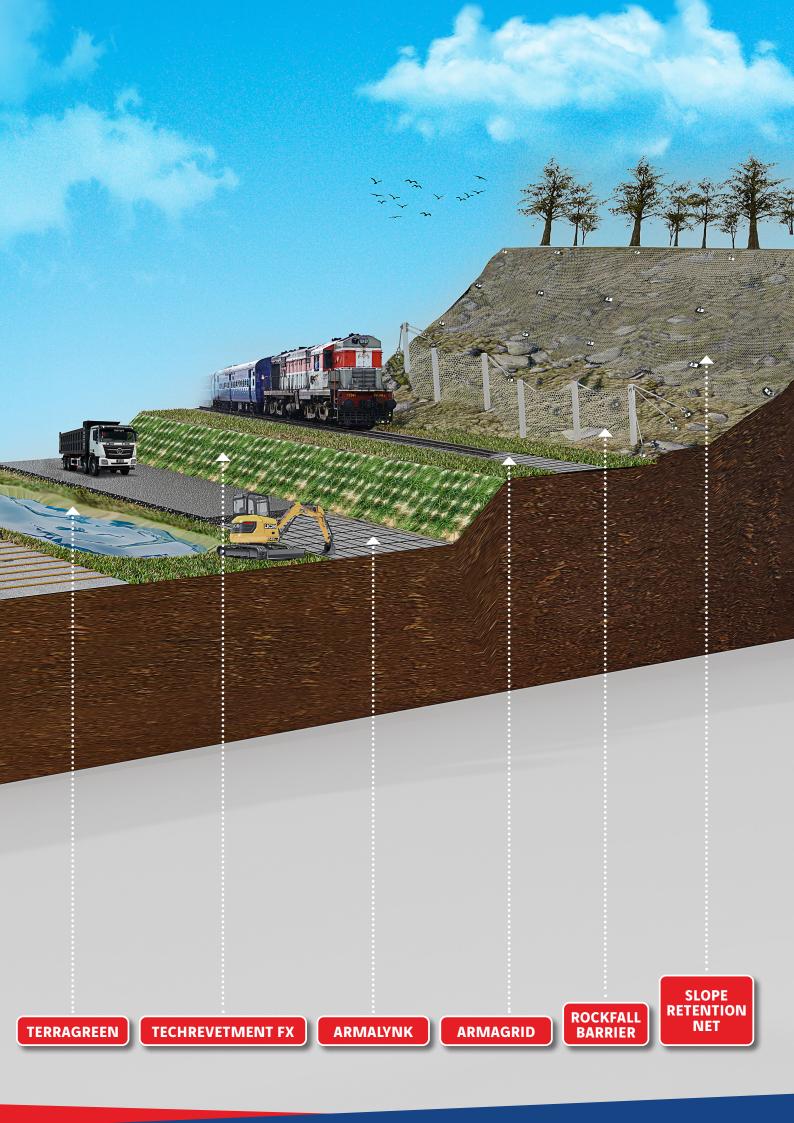


















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