

Tensar geogrids allow complex structures with multiple-facing configurations to be integrated seamlessly.

Walls and Slopes Nº 427

Liloan Plant

 Cebu, Philippines

CONSTRUCTED IN 2018

Benefits

Cost effective solution
due to ease of installation

Facing flexibility
helps to target various project
requirements

Water resilient structure
designed for partially
submerged condition

One solution and two facings

The flexibility in facing for reinforced soil structure allows a bespoke solution combining more than one facing types to suit the customer's budget and project requirement.

CLIENT'S CHALLENGE

The client needed to build a 10m high retaining wall structure adjacent to the water body, raising the platform level for plant construction. This retaining system has to be able to withstand water erosion while staying within budget.

TENSAR SOLUTION

With good track record in providing quick installation yet cost effective solution, Tensar was approached by a repeat customer to assist in the retaining wall design. One of the biggest challenges in this project is that the wall is constantly exposed to occasional rise in water level. With that in mind, the facing of the reinforced soil structure is designed with the combination of modular blocks and wraparound. The modular block acts as a permanent scour protection, whereas wraparound facing promotes vegetation growth that eventually blends into the surrounding landscape.