



Sand Barriers Restoration Project Utilized ACEBag™

Location : Tainan, Taiwan

Application : Coastline Protection

Problem :

A biologically rich Chiku Lagoon, where located in the western shore of Tainan City, is surrounded by three offshore barriers. It's the most immense lagoon in Taiwan to attract the stay of protected wildlife such as *Platalea minor* and for subsistence of local residents. Unfortunately, the retrogradation of coastline was beginning of the inappropriate artificial development led to severe loss of bar bounds and affected the livelihood of the residents nearby as well. The government attempted ceaselessly finding a proper solution to restore the sand bars.



Solution :

In 2008, the engineering company drove the plastic sheet piles into the beach where the sand bar was attacked by waves to resist the scouring, stacked ACEBag™ in the foreshore to firm the beach sand, and covered ACETex® for extending the service life of whole restoration system. The protected system was completed, dredged sand to nourish the backshore. The sand barriers restore its function to surround and safeguard the valuable lagoon.