



Sea defences and breakwater structures can take many forms

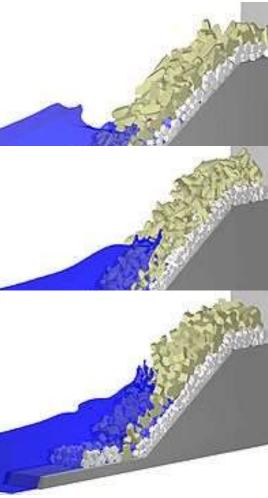






Rubble mound breakwaters use structural voids to dissipate the wave energy. Rock or concrete armour units on the outside of the structure absorb most of the energy, while gravels or sands prevent the wave energy's continuing through the breakwater core.



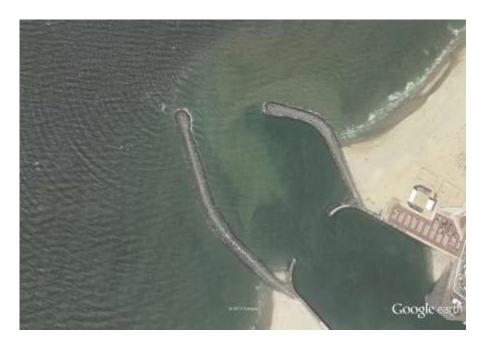




The force of winter storms are dissipated by a breakwater













Wave attenuation and storm damage mitigation
Are used to protect and enhance waterfronts around the world





Synthetic rubberised bladders filled with sand are used in the Caribbean to provide safe swimming areas.



Sea defence structures can vary considerably in design and function

















