## Use of Geotextiles in Land Reclamation





## Presentation contents Introduction: land reclamation works Nonwoven, woven and composite geotextiles Conventional reclamation boundary protection on firm foundations Revetments Rubble containment dykes Alternative reclamation boundary protection Reclamation boundary protection on soft foundations Reclamation fills Offshore underwater containment facilities Concluding remarks









































































## Reclamation fills





- Reclamation fills are placed either by hydraulic or dry means
- Preferred fill type is sand or granular fill
  - However, these fill types are becoming expensive and in some cases impossible to obtain
- Fine grained fills are being utilized in an increasing number of reclamation projects
  - Because of cost and environmental reasons
  - This brings other issues that require solving
    - Bearing capacity/stability
    - Settlements/consolidation

Offshore underwater containment facilities















