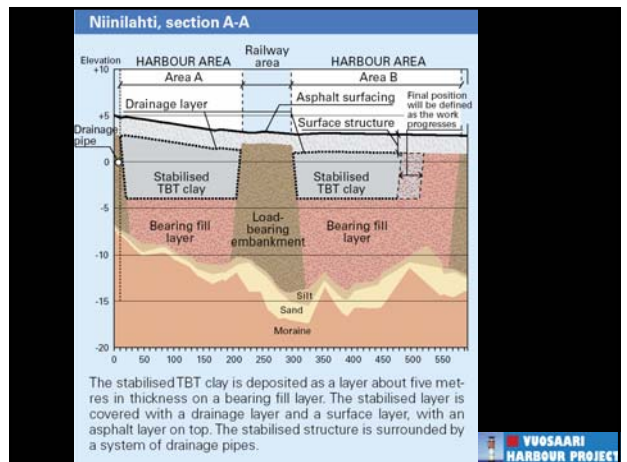
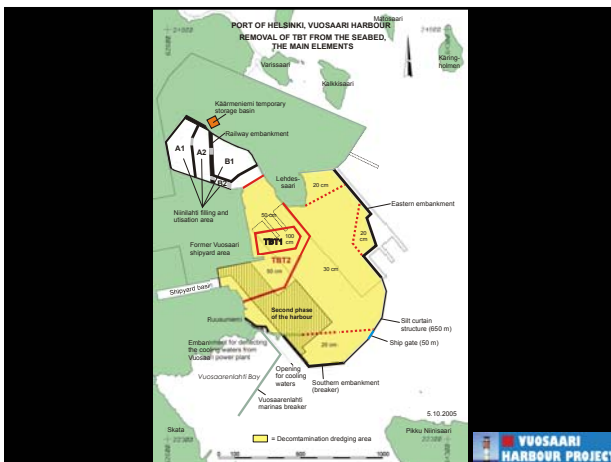
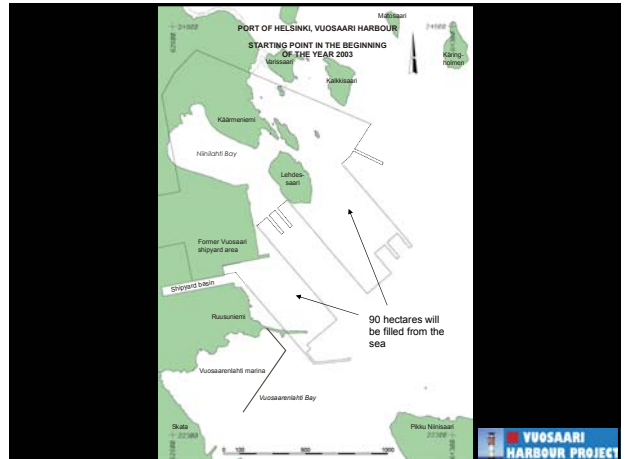
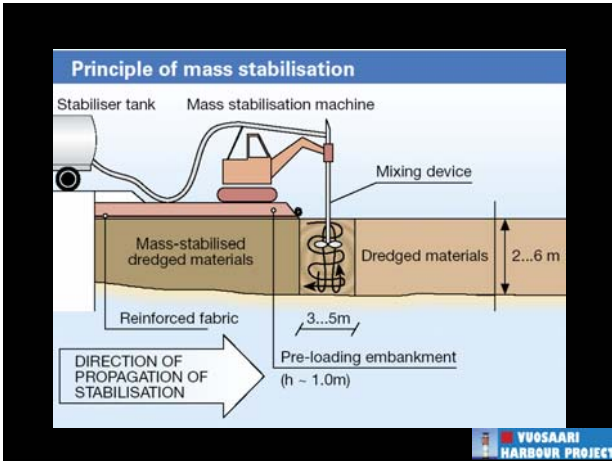


# Remediation of TBT contamination at Vuosaari Harbour in Helsinki

Ari Piispanen, Ramboll Finland Ltd







Mass stabilisation equipments



The mixing device



## Remediation of TBT contamination at Vuosaari Harbour in Helsinki

### Summary

- A very significant TBT source of 96,5 kg was removed from the sea environment and was transferred to the Niinilahti filling area
- TBT concentrations in sediments, molluscs and fish have already decreased in the sea area surrounding the harbour building site
- The TBT contaminated sediment will be mass stabilised and utilised as harbour field structure
- The present cost estimate of the TBT removal and stabilisation process is 10,5 million euros
- The removal of TBT has been a seamless part of the construction work and the Vuosaari Harbour will be operative as planned in the end of year 2008

Vuosaari Harbour 15.9.2006

