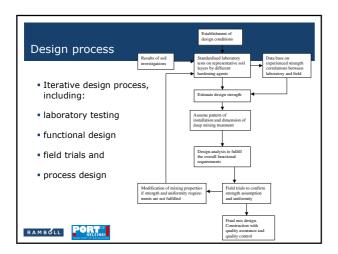




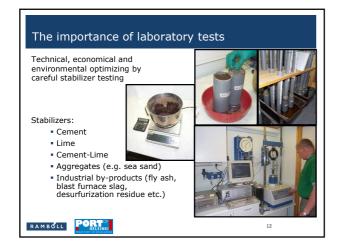
# Mass Stabilization- Main purposes

- Increase strength of soil
- Improve deformation properties
- Remediate contaminated soil
- Save costs (transportation of masses etc.)
- Save disposal areas
- Save natural aggregates and rock ballast

### RAMBOLL PORTOF



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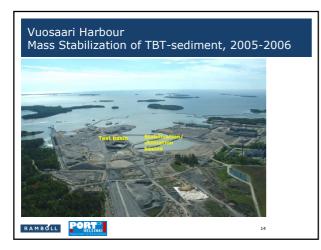
# Main phases of Mass Stabilization work

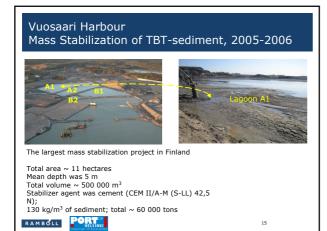
- 1. Test stabilization, if needed
- 2. Stabilization according to the design, controll of binder amount and first step preloading (0,5-1,0 m)
- 3. Quality controll soundings and if needed other quality testings

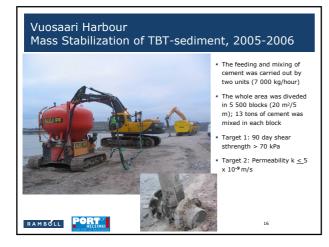
13

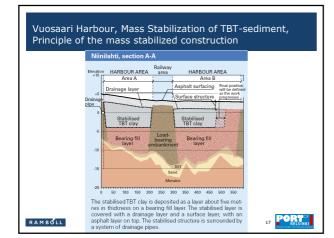
- 4. Corrective actions, if needed
- 5. Preloading
- 6. Acceptance of the work

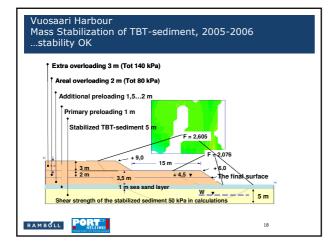
RAMBOLL



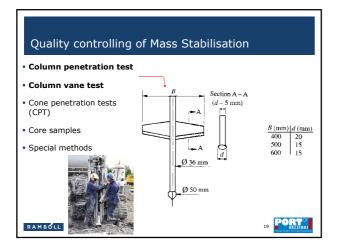




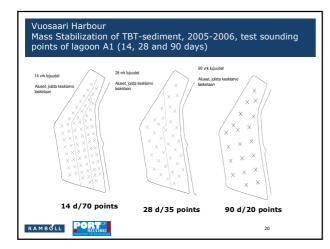




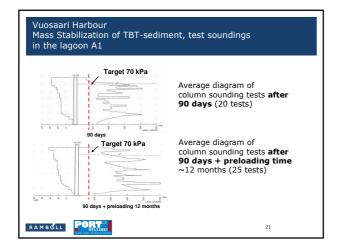




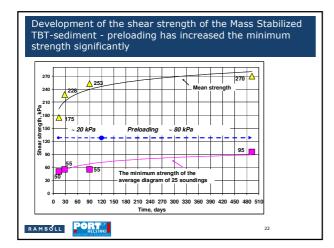




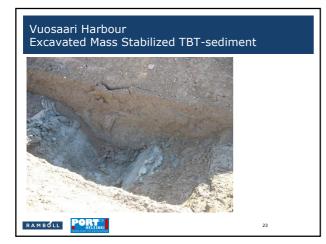




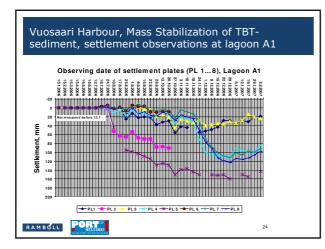
















- $\bullet$  99 % of TBT was removed from the seabed and transferred to the Niinilahti filling area
- $\hfill \hfill \hfill$
- The removal of TBT was a seamless part of the construction work and Vuosaari Harbour will go into operation in the end of November 2008

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RAMBOLL



