

Logistics area Dradenau

- Planning period: 2004 – 2012
- Approval process: 2012 – 2013
- Construction phase of backfilling and industrial settlement: 2013 - 2022
- Investment: about 19 Mio. €
- New logistics area: 8 ha
- Overriding objectives and success of the project:
 - Efficient and cost-saving combination of maintenance dredging and land reclamation
 - Beneficial use of conditioned material from maintenance dredging (METHA-material) in the backfilling
 - Reutilization of waste instead of disposal
 - Protection of landfill volume (approx. 2 years life expectancy extension)
 - Minimization of use of the primary resource sand (approx. 500,000 m³)
 - Consequent management of the backwater to prevent the discharge of pollutants
 - Microbial degradation of methane gas in one of the world's largest methane oxidation areas

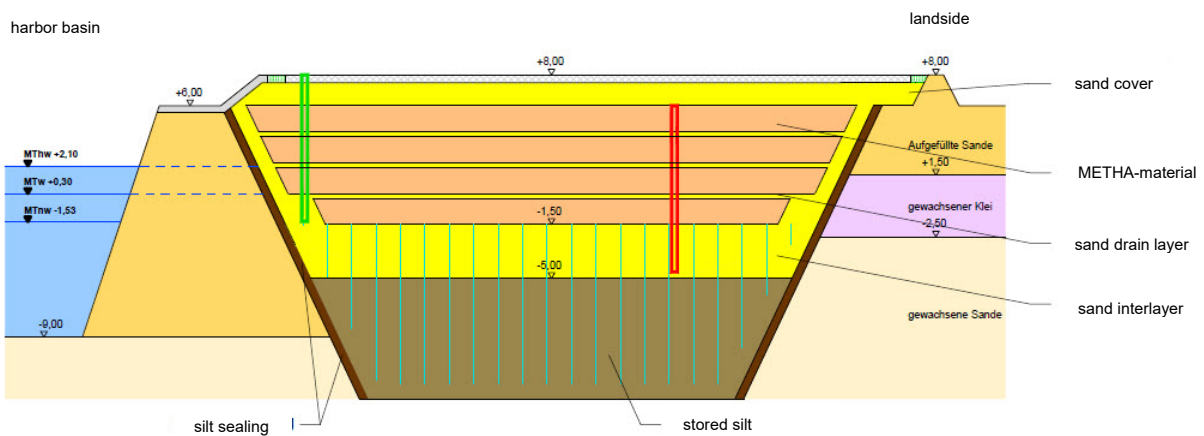


Fig. 1: Sketch of the backfilling



Fig. 2: Spray rinsing of sand (Ponton and aerial image)



Fig. 3: Backfilling with METHA-material



Fig. 4: Build-up of the methane oxidation window

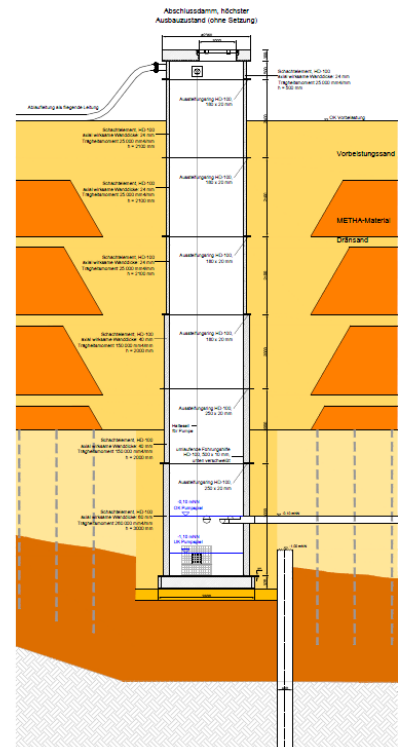


Fig. 5: Pumping shaft for backwater