**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](image-url)
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