

References

Project: Land reclamation in Hamburg, Airbus Deutschland GmbH

Period: 1998 - 2004 (expected end-date)

Contract Volume: 3,8 Mio €

Construction Cost: approx. 384,0 Mio €

Client: Realisierungsgesellschaft Finkenwerder mbH
FHH Wirtschaftsbehörde, Strom- und Hafengebäude (till 2000)

Short Description: When the European Airbus group decided to produce a larger aeroplane class, the A380, the Airbus Deutschland GmbH was determined to carry out the production of components, the final outfit, painting and testing of the aeroplane in new fabrication plant in Hamburg, Finkenwerder. The area for this new plant was to be reclaimed from a part of the Mühlenberger Loch, a tidal influenced area in direct vicinity of the existing production plant and located nearby Hamburg City. The area reclaimed in the period from 2001 to 2004 covers about 161 ha of the Mühlenberger Loch, of which 140 ha will be available for practical usage. The very complex reclamation works on top of 8 to 12 m clay and silt layers had to be executed in a very limited construction period, with very limited allowance of residual settlements and marginal ecological consequences.



IMS played a major role in project execution including:

- Clarification of the technical feasibility,
- Elaboration of master plan and documentation of all planning phases,
- Planning and preparation of tender documents for construction works,
- Leading of execution as owners representative
- Assistance in site supervision.

The Project and planning works included the following components:

- Rise the area level from approx. 0 m MSL to +5 m MSL,
- Storm flood protection with dykes and flood protection walls of reclaimed area and integration into the existing flood protection measures,
- Quay facilities for handling of large aeroplane parts,
- Special mud drainage and soil enhancement measures
- Dewatering facilities and sluice.