

Tuborg Syd, Marine Works, Denmark



Illustration of the view along canal, by Dissing+Weitling Architects.

Tuborg South is a development of the former Tuborg brewery and industrial port in Hellerup.

The development comprises a new town district with 210.000 m² of buildings including housing, offices, a public school and other public institutions. The new district has been given a maritime environment with canals, a marina and a sea view of Øresund.

COWI has provided multidisciplinary consultancy services covering traffic planning, roads, utilities, building, bridges and marine works. A close cooperation was maintained with the project architect to ensure that aesthetic requirements of the project were fulfilled.

The marine works included:

- Planning of the marine layout
- 450 m of new canal providing berthing for smaller yachts and motor craft. Irregular basins are provided for larger yachts. Quay walls retaining up to 8 m were designed as anchored sheet piled structures.
- A marina with approximately 350 ultra-modern and luxurious berths with water, electricity, TV and Internet connection. Shore facilities such as yacht club building and service quay.
- A new breakwater head minimising wave disturbance in the harbour basin.
- 700 m of new reclaimed coast line south of the harbour entrance

Earth moving logistics was of prime importance to the development, with large quantities of contaminated soil to be handled in a cost effective manner and taking due consideration of environmental requirements.

The design and tendering of the marina and approximately 1600 m of quay wall has been performed as a phased operation to enable completion of designated packages as early as possible.



Model picture, by Wilhelm Lauritzen Architects.

Services:

- **Master Planning of the Marina**
- **Assessment of geotechnical Investigations**
- **Numerical modelling and hydraulic studies**
- **Coastal stability analysis**
- **Design, tendering, contracting and supervision of marine works**

Project Period: 2001 - 2008

Client: Carlsberg Properties



Canal excavation.