

Køge Soil Deposit

Partnering-based design and build contract



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In 2005, Per Aarsleff A/S entered into a partnering agreement with Køge Soil Deposit and Sweco on the establishment of Køge Soil Deposit in the southern harbour area in Køge.

Partnering-based design and build contract

In 2007, a partnering-based design and build contract for the establishment and operation of a 42-hectare soil deposit east of Port of Køge was entered into between Køge Soil Deposit and Aarsleff with Sweco as the consultant.

The work is divided into 23 subprojects with a total budget of approx. DKK 950 million.

Sheet pile work

As part of the partnering agreement, we have established almost three kilometres of sheet piles. About half of these are installed as a double sheet pile wall.

Breakwaters

During the design and build contract, we establish about 4,000 running metres of new breakwaters at Port of Køge, including a 1,650-metre-long new north pier, a 745-metre-long south pier and a 200-metre-long break-

water. Also, we have established four new pier heads. For the new piers, we have removed some of the existing breakwaters in the port and reused the materials for the new piers.

In addition, the new harbour basin has been dredged to allow large vessels to berth.

Extension of marina

The marina has been extended with new basins and land areas within the new breakwaters. This way, Køge Marina has added more than 15 hectares of land areas.

Clean soil deposit

Besides establishment and operation of the deposit for slightly contaminated soil, our work also comprises reception and handling of clean soil used for the new recreational areas around the marina and for a 600-metre-long and 10-metre-high embankment between the future industrial areas and the recreational areas at the marina.

Infrastructure

In addition, the project includes infrastructure in the form of roads, cable work, quay roads and quay equipment.



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Data

- 23 subprojects comprising sheet pile wall, stone work, access road, bridges, outfalls, beaches, harbour basin dredging, quay equipment, reception areas and operation of deposit.
- Selected main amounts
- 42 hectares of land reclamation
- 30 hectares for recreational purposes
- 4.5 million tons of contaminated soil, class 2-3
- 2 million tons of clean soil
- 1,200 metres of double sheet pile wall

- 470 metres of single sheet piles, installed with inclined piles
- 650 metres of sheet pile wall tied back with strand anchors
- 100 m sealed cut-off wall
- 4,000 m of stone breakwaters.

Client

Køge Municipality

Type of contract

Partnering between Køge Municipality, Køge Soil Deposit, Sweco A/S and Per Aarsleff A/S

Contractor

Per Aarsleff A/S
Aarsleff-VG JV I/S (on some of the subcontracts)

Construction period

2007-2020

Contract value

Approx. DKK 1 billion

Contact

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