

Fehmarnbelt Fixed Link

Description of the assignment

The Danish Technological Institute (DTI) has a contract with Femern A/S, the Owner of the Fehmarnbelt Fixed Link project. The contract started in 2009 and runs to 2018. The Concrete Centre at DTI is external concrete laboratory for Femern A/S in the planning phase and during construction.

The Fehmarnbelt Fixed Link is one of the world's biggest infrastructure constructions with an 18 km long immersed tunnel connecting Scandinavia with the central Europe with a link between Denmark and Germany.

The Task

DTI provides the following services within the contract:

- Technical notes as background material for the concrete specifications. Technical notes about Early Age Properties, Self-Compacting Concrete, Conformity Attestation, Evaporation Protection and Cathodic Protection.
- Establishing a field exposure site in full scale at the harbour of Rødby.
- Design and production of 22 concrete blocks with different design to be tested in Rødby Harbour
- Review of concrete specifications
- Testing and consulting during construction phase

Contact Person

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Customer: Femern A/S

Place: Tunnel between DK and GE

Size of the project: 18 km long tunnel

Sum of the assignment: > 10 mio DKK

Contract period: 2009-2018



Photo by Femern A/S

