

# Great Belt Link

## Description of the assignment

The Great Belt Fixed Link (Danish: Storebæltsforbindelsen) runs between the Danish islands of Sealand and Funen. It consists of a road suspension bridge and railway tunnel between Zealand and the island Sprogø, and a box girder bridge between Sprogø and Funen. The "Great Belt Bridge" (Danish: Storebæltsbroen) commonly refers to the suspension bridge, although it may also be used for the box-girder bridge or the link in its entirety. The suspension bridge, known as the East Bridge, has the world's third longest main span (1.6 km), the longest outside of Asia. DTI was assisting the Owner with expertise in concrete related topics and carried out testing and consultancy during construction phase.

## The Task

DTI provided the following services within the contract:

- Pretesting of the concrete
- Testing of early age properties of the concrete
- Hardening simulations with the use of the software 4C-temp and stress
- Full scale trial castings
- Load capacity testing of joints
- Testing of early age properties of the concrete

## Contact Person

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**Customer:** The Great Belt Link

**Place:** Denmark

**Size of the project:** 18 km bridge and drilled tunnel

**Sum of the assignment:** > 1 mio DKK

**Contract period:** 1988-1992

