

# The history of a fixed link across Femernbelt

# The treaty

- September 3, 2008, the Transport Ministers of Denmark and Germany sign a treaty that forms the legal basis for a fixed link across the Femarnbelt
- The treaty has been approved by the Danish and German Parliaments in 2009



Veje og jernbaner i det nordlige Tyskland og det sydlige Skandinavien

- Jernbane
- Motorvej
- Motorvej under opførelse
- Hovedvej

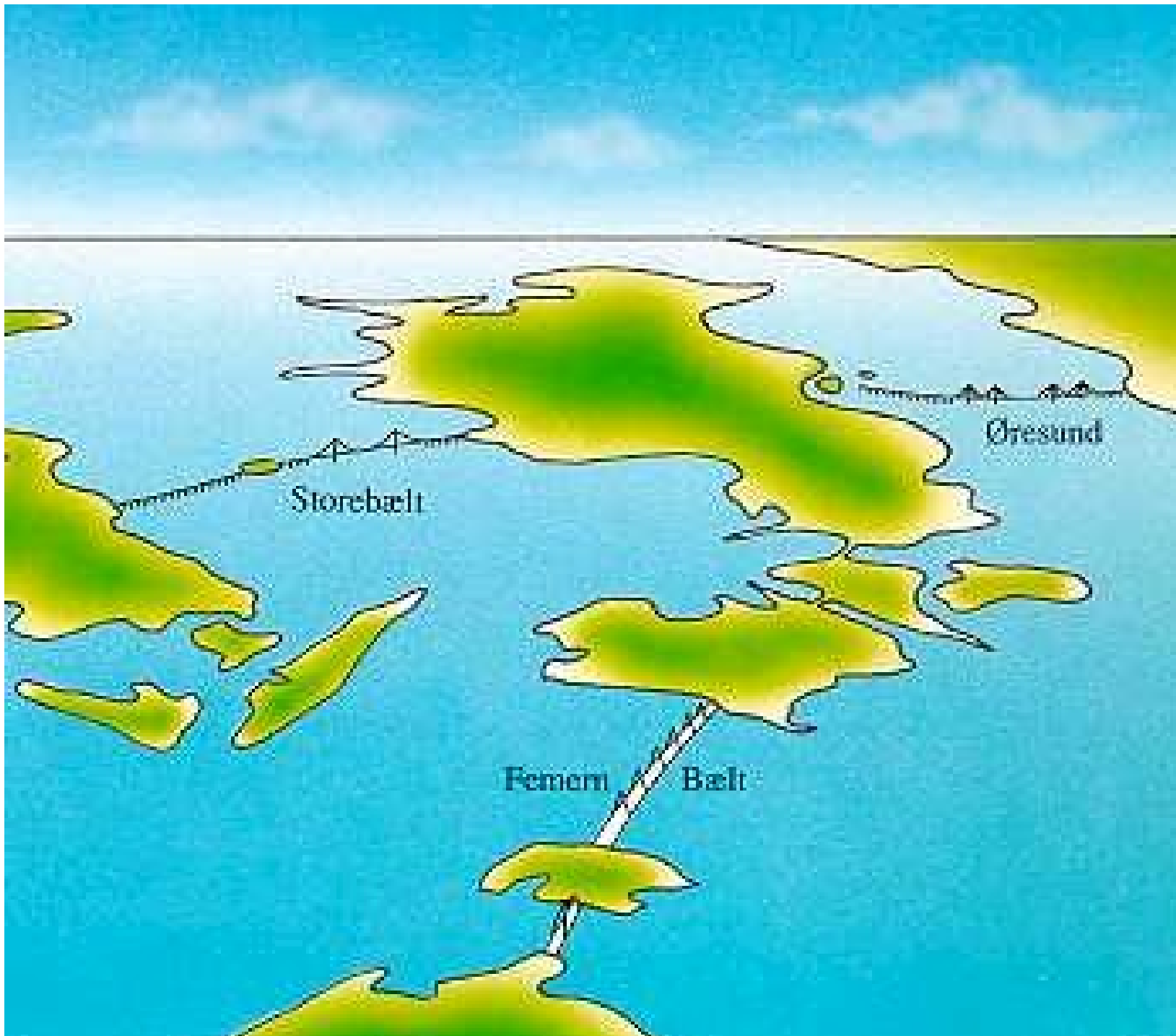


**Delprojekterne i tilknytning til Femern Bælt forbindelsen inden for Hamborg-København/Malmø transport korridoren**

- Jernbanestrækningen (119 km) på de danske landanlæg
- Kyst-til-kyst strækningen (20 km) af den faste Femern Bælt forbindelse
- Jernbanestrækningen (89 km) på de tyske landanlæg
- Vejdelen (20 km) på de tyske landanlæg

# The history of a fixed link starts before the treaty

- 1991 Sweden and Denmark decided to establish the fixed link between the two countries
- 1992 Germany and Denmark agreed to initiate feasibility studies regarding a fixed link across the Fehmarnbelt
- Between 1995 and 2005 investigations regarding traffic effects, regional effects, environmental issues etc.



Storebælt

Øresund

Femern Bælt

# First consultation rapport

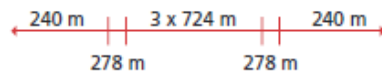
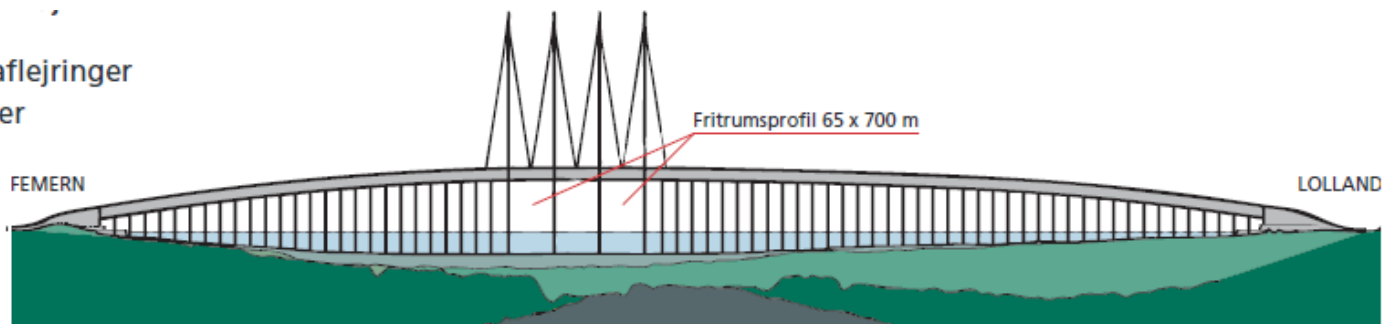
- 2005 Germany and Denmark initiated a consultation procedure on environmental issues in which the public, organizations and authorities on both sides of the Femarnbelt were invited to participate

# Traffic and Femarnbelt

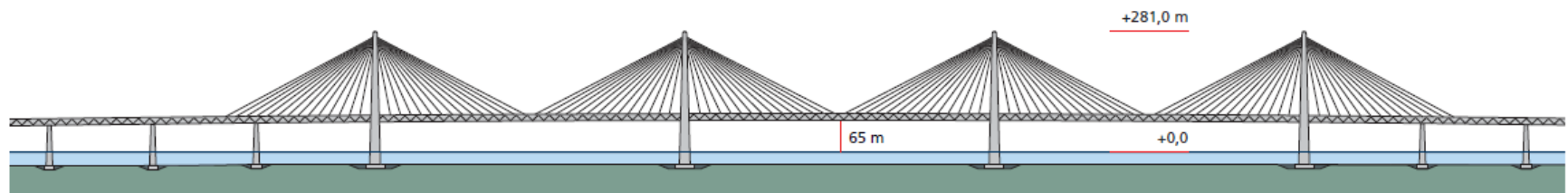
- Between Puttgarden and Rødby around two million vehicles are transported each year on a total of five ferries, along with a number of passengers trains
- A fixed link is expected to carry 7.700 vehicles and 3.800 train passengers per day
- 2007 the ferries carried 6.200 vehicles per day



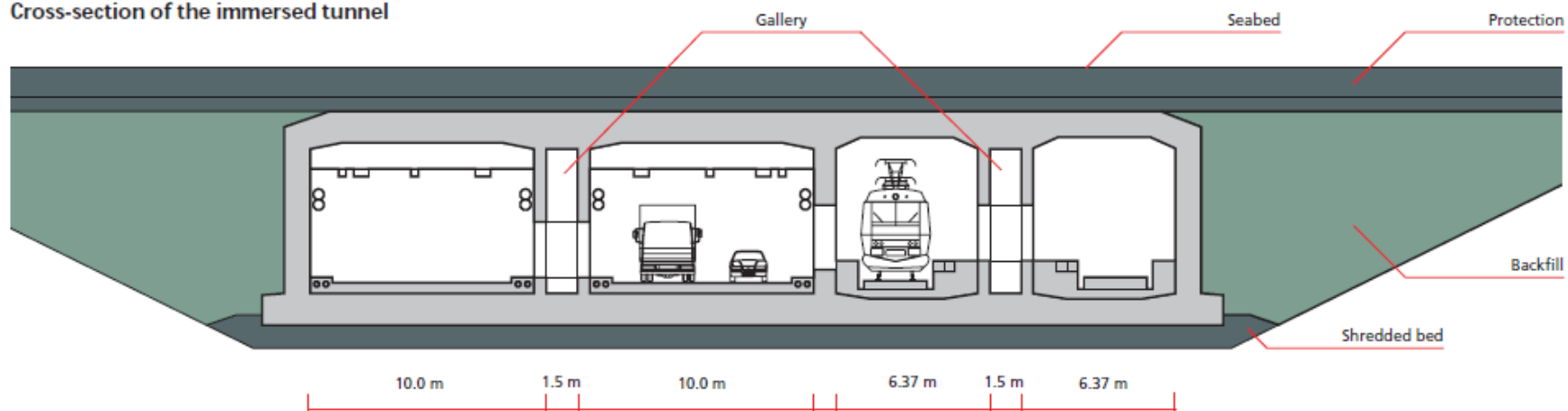
- Post/senglaciale aflejringer
- Glaciale aflejringer
- Tertiært ler
- Kalk



### Længdeprofil af højbroen



### Cross-section of the immersed tunnel



# Next step

- The Espoo-documentation – scooping rapport – is under preparation
- A great number of investigations
- Notification – end of 2009
- .....
- .....
- The fixed is scheduled to open to traffic 2018

# Hydrografisk monitoring

