

## Facts & Figures: Øresund and Great Belt

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### Øresund Fixed Link

- The Øresund Fixed Link was opened on 1 July 2000. It links Copenhagen in Denmark to Malmö in Sweden.
- The link was constructed in the period from 1991 to 2000 with the Danish-Swedish Øresundsbro Konsortium as the client.
- In total, the link is about 16 kilometres long.
- Travelling from Denmark to Sweden, the fixed link consists of an immersed tunnel approximately 4 kilometres long, an artificial island (Peberholmen) approximately 4 kilometres long and a two-storey cable-stayed bridge approximately 8 kilometres long.
- The link has a four-lane motorway and a twin-track, electrified railway.
- With its span of 490 metres, the high bridge across the Øresund is the longest cable-stayed bridge in the world with a motorway and railway.
- More than 10 million people use the link every year (2010).
- 20 tunnel elements were required to build the 4-kilometre long Øresund tunnel.

### Great Belt Fixed Link

- The Great Belt Fixed Link was built from 1988 to 1998.
- It was opened for rail traffic in 1997 and for road traffic in 1998. It links the Danish islands of Funen and Zealand.
- The fixed link has a total length of approximately 18 kilometres.
- It consists of two bridges and one tunnel.
- In the west, the link consists of the approximately 6.6 kilometres long west bridge, which actually comprises two parallel bridges, one for road traffic and one for rail traffic. On the

Femern A/S is tasked with designing and planning of a fixed link between Denmark and Germany across the Fehmarnbelt. Femern A/S is a subsidiary of the Danish, state-owned Sund & Bælt Holding A/S, which has experience from the construction of the fixed links across the Great Belt and the Øresund.

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island of Sprogø, this bridge then becomes the east bridge, which is approximately 6.8 kilometres long, and the bored east tunnel, which is approximately 8 kilometres long. The rail traffic travels through the tunnel and the road traffic over the east bridge.

- With a height of 254 m, the pylons of this bridge are among the highest places in Denmark.
- The suspension bridge over the Great Belt is connected to 23 approach spans.
- The 40-cm thick tunnel walls under the Great Belt consist of a total of 62,500 concrete elements bolted together.