

Project identification

Medway Tunnel

Type of project

Immersed tunnel



Client

Tarmac Construction Ltd. / HBM Civil Engineering Ltd.

In co-operation with

Mott MacDonald Group (UK)

Ministry of Transport and Public Works, Tunnel Engineering Department

Project assignment

Support during tender design phase, detailed engineering, independent design check and supervision support.

Country

United Kingdom

Location

Chatham-Rochester, Kent

Project duration

1991 - 1995

Project phase

Finished

Construction cost

€ 104.370.000,= estimated
(excl. VAT)

Consultancy fee

€ 4.311.000,=
(total TEC share € 317.000,=)
(excl. VAT)

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Project description

The Medway Tunnel is a dual carriageway motorway tunnel. In the enclosed part only a central wall separates the two traffic tubes. The tunnel width is 24 m. The actual structures are 1800 m long including 600 m enclosed section and the tunnel approaches. The immersed part of the tunnel consists of 3 elements of which two of 126 m and one of 120 m. All elements are built in the eastern approach. The project is tendered according to the “design and construct” method of the ICE.

Scope of work

In co-operation with Mott MacDonald design advice and support to the contractor Tarmac Construction Ltd. / HBM Civil Engineering Ltd. During the tender phase of the scope comprised the overall design of the tunnel elements and casting basin. After project award TEC delivered support to MM for the design of the tunnel, casting basin, the trench, immersion facilities and supervision of the works. Furthermore TEC carried out an independent design check category II on the immersed tunnel part.