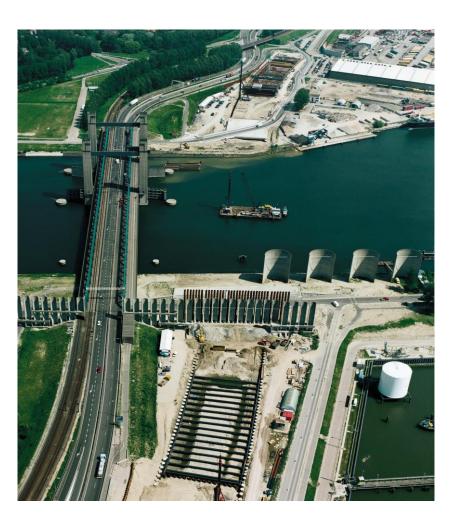


Project identification Calandtunnel

Type of project Immersed tunnel



Client

Ministry of Transport and Public Works, Tunnel Engineering Department

In co-operation with

Laan 1914 no 35 3818 EX Amersfoort P.O.Box 28013 3828 ZG Amersfoort The Netherlands +31 (0)88 348 2540 info@TEC-tunnel.com www.TEC-tunnel.com

Project assignment Preliminary and final design, tender documents, detailed design and advisory work upon construction for civil and structural as well as electromechanical works (see separate project sheet)

Country The Netherlands

Project duration 1995 - 1998 Design and tender phase 1998 - 2004 Construction

Construction cost € 145.000.000,= excl. M&E works (excl. VAT) Location Rotterdam

Project phase Completed

Consultancy fee € 15.200.000,= (excl. VAT)

Project identification Calandtunnel

Type of project Immersed tunnel

Project description

The extension of the A15 motorway to the so-called Maasvlakte crosses the Calandcanal. For this crossing a tunnel is under construction with a total length of 1500 m. The enclosed part of the tunnel is 1100 m. The section below the canal is constructed with the immersed tunnel technique, with six elements of 115 m.

The cross section comprises two motorway tubes with 3 lanes each. The tunnel is suited for the transport of dangerous goods (category I).

Scope of work

Civil and structural:

- Preliminary design and final design.
- Structural calculations and drawings.
- Geotechnical and geo-hydrological advisory.
- Tender documents.
- Cost estimates and construction planning.
- Detailed design.
- Advisory and supervision upon construction (in co-operation with the client).