

Project identification

Calandtunnel

Type of project

Immersed tunnel



Client

Ministry of Transport and Public Works, Tunnel Engineering Department

In co-operation with

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

Location

Rotterdam

Project duration

1995 - 1998 Design and tender phase
1998 - 2004 Construction

Project phase

Completed

Construction cost

€ 145.000.000,=
excl. M&E works (excl. VAT)

Consultancy fee

€ 15.200.000,=
(excl. VAT)

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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).