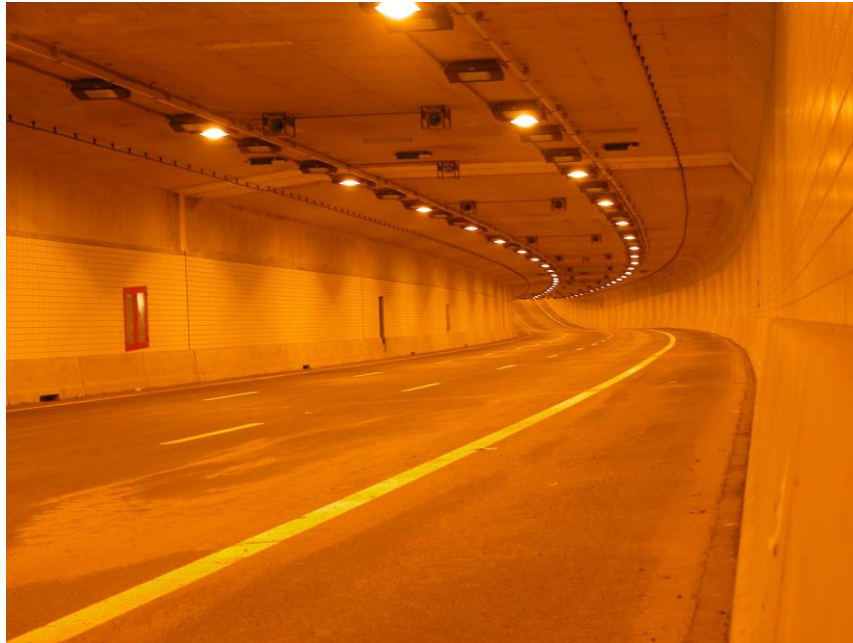


Project identification

## Calandtunnel

Type of project

Electromechanical tunnel installation (immersed tunnel)



Client

Ministry of Transport and Public Works, Tunnel Engineering Department

In co-operation with

Project assignment

Preliminary and final design, tender phase, detail phase, consultancy and engineering for electromechanical work in construction phase

Country

The Netherlands

Location

Rotterdam

Project duration

1995 - 1998 Design and tender phase  
1998 - 2004 Construction

Project phase

Completed

Construction cost

€ 25.000.000,=  
Installations only (excl. VAT)

Consultancy fee

€ 3.000.000,=  
(excl. VAT)

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Project identification

# Calandtunnel

Type of project

Electromechanical tunnel installation (immersed tunnel)

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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 will be built with a total length of 1500 m. The enclosed part of the tunnel is 1100 m. The section below the canal will be constructed with the immersed tunnel technique, with six elements of 115 m.

The cross section comprises 2 motorway tubes with 3 lanes each. The tunnel is suited for the transport of dangerous goods (category I).

Scope of work

Electrical and mechanical:

- Functional and design requirements.
- Preliminary design and final design, including calculations, drawings and schemes.
- Risk analyses.
- Tender documents.
- Cost estimates.
- Review of contractors detailed design.
- Monitoring and construction supervision.