

Project identification

HSL-Zuid, Zuid Holland Zuid Tunnels Oude Maas & Dordtsche Kil

Type of project

Immersed tunnel



Client

Project organisation HSL-Zuid

In co-operation with

Joint venture Holland Railconsult and DHV

Project assignment

Reference design, tender documents, tender evaluation and supervision

Country

The Netherlands

Location

Zwijndrecht and Dordrecht

Project duration

1998 - 2000 Design and tender phase

Project phase

The execution of the works

Construction cost

€ 295.000.000,=
excl. M&E works (excl. VAT)

Consultancy fee

Reference design and tender documents
€ 6.900.000,=
Tender evaluation and supervision
€ 7.500.000,= (excl. VAT)

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Project description

The high speed railway line from Schiphol Airport to Antwerp. For this railway line a number of large works have to be constructed. Two of them are the crossings of the river Oude Maas and the river Dordtsche Kil which are done by immersed tunnels. The enclosed part of the tunnels are 1500 m. the sections below the rivers will be constructed with the immersed tunnel technique, with seven elements of 150 m each.

The cross section comprises two tubes with one track each. The tunnel is suited for trains with a maximum speed of 300 km/h.

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.
- Supervision on the execution of the works.