

Project identification

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

Type of project

Immersed tunnel



Client

Contractors joint venture HSL - Drechtse Steden

In co-operation with

Project assignment

Detailed design and consultancy upon subterrenean infrastructure

Country

The Netherlands

Location

Barendrecht and Dordrecht

Project duration

2000 - 2003

Project phase

Concrete works of immersed elements are finished and open accesses are in progress

Construction cost

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

Consultancy fee

Detailed design and consultancy  
€ 3.500.000,=  
(excl. VAT)

Office

Laan 1914 no 35  
3818 EX Amersfoort  
P.O.Box 28013  
3828 ZG Amersfoort  
The Netherlands

Telephone

+31 (0)88 348 2540

E-mail

info@TEC-tunnel.com

URL

www.TEC-tunnel.com

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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 parts 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 cruise speed of 300 km/h.

Scope of work

Civil and structural:

- Detailed design.
- Structural calculations and drawings.
- Geotechnical and geo-hydrological advisory.
- Cost estimates and construction planning.
- Supervision on the execution of the works.