

Project identification

# Wijkertunnel

Type of project

Immersed tunnel



Client

Exploitation Company Wijkertunnel

In co-operation with

Ministry of Transport and Public Works, Tunnel Engineering Department  
Technical Management

Project assignment

Civil, Structural and Mechanical/Electrical Works:  
Project management, monitoring, construction supervision and testing.

**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

Country

The Netherlands

Location

Velsen

Project duration

1990 - 1996

Project phase

Tender preparation 1990 - 1992  
Construction period 1993 - 1996

Construction cost

Appr. € 68.067.000,=  
incl. M&E works (excl. VAT)

Consultancy fee

appr. € 6.807.000,=  
(excl. VAT)

# Wijkertunnel

Immersed tunnel

---

Project description

This motorway tunnel has two tubes each comprising three lanes and a central duct. The tunnel is part of the new A9 motorway situated 1200 m east of the existing Velsertunnel, where it crosses the Noordzeekanaal.

The tunnel and the approaches, wide 30 m, long 1100 m has been designed for the transportation of hazardous goods, category I standards. The submerged part of the tunnel consists of 6 elements each 96 m long. The elements have been constructed in a casting basin at Barendrecht and then transported via the North Sea to the Noordzeekanaal.

Both approaches consists of three 20 m long tunnelsections and five open through sections. These reinforced concrete structures have been constructed by means of the cut and cover method. The upper part of the approaches, some 500 m, are so called "green" approaches with soil-ballasted watertight PVC membranes.

Scope of work

Overall:

- To represent the employer during construction and to carry out site supervision and contract administration for the tunnel works construction and installations.
- Probabilistic analyses concerning the seatransportation transportation of the tunnelements.
- Review of contractors detailed engineering.

Civil and Structural works:

- Design responsibility, to update and optimise the draft tender documents and drawings.
- Detailed design and all construction and reinforcement drawings.

Mechanical and Electrical:

- To prepare a conceptual design followed by tender documents.
- To produce Terms of References, to control and check the contractors detailed design and to carry out the site supervision.