Project identification
The Westerscheldetunnel

Type of project
Bored tunnel

Client
NV Westerscheldetunnel

In co-operation with
Ministry of Transport and Public Works, Tunnel Engineering Department

Project assignment
Review (detailed) design and site supervision

Country
The Netherlands

Project duration
1996 - 2002

Location
Terneuzen, Zeeland Flaanders

Construction cost
€ 613,000,000,= incl. M&E works (excl. VAT)

Project phase
Completed March 2003

Consultancy fee
Appr. € 560,000,= (excl. VAT)
Project identification

The Westerschelde tunnel

Type of project
Bored tunnel

Project description
The Westerschelde tunnel is a bored tunnel in soft soil and accommodates a dual carriage motorway in two tubes. The bored tunnels have an inner diameter of 10.1 metres, approximately 6.5 km long and reaches to a maximum depth of 60 metres below sea-level. The total length of the crossing is about 7.0 km long. Transportation of hazardous goods is acceptable according to the category I tunnel classification. For safety reasons both tubes are connected with cross connections every 250 metres.

Scope of work
Reviewing the contractors detailed design of the bored tunnel, cross connections and access ramps; reviewing work method statements, quality plans and construction planning; monitoring of investigations for the design (fire-tests, freezing test for cross connections); advice with respect to local damage of lining during construction.