

Project identification

# Sluiskiltunnel: Design and consultancy services during Design & Construction phase

Type of project

Consultancy



Client

Kanaalkruising Sluiskil (KKS) BV

In co-operation with

none

Project assignment

Preliminary Design of ramps, bored tunnels and technical installations, definition of Employers Requirements, cost estimates, competitive dialogue negotiations with contractor's consortia, checking detailed design of contractor for ramps, bored tunnels and technical installations, commissioning of tunnel segments and TBM, construction supervision.

Country

Netherlands

Location

Terneuzen

Project duration

2009-2015

Project phase

Preliminary & Detailed Design and Construction phase

Construction cost

300 mio EUR  
(excl. VAT)

Consultancy fee

EUR 3,2 mio  
(excl. VAT)

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Project description

The Sluiskiltunnel will be built alongside the present bridge over the Channel from Gent to Terneuzen. It is situated south from the Westerschelde tunnel and will provide a better connection between the harbours of Antwerp and Rotterdam. As this Channel is sailed by many Ocean Bulk Carriers the bridge is opened for 5 hours per day now. A new bored tunnel will provide a permanent available connection for the increasing (cargo) traffic. The Sluiskiltunnel is a 1600 m twin bored tunnel with a diameter of app. 11 m. and on both sides of the Channel ramps of about 300 m. The tunnel is built in soft subsoil in a polder area. Ground conditions vary from silty sand to Boomse clay. A slurry TBM will be used in order to reduce risks during the passage of the Channel dikes and 3 railway lines. The works will be conducted under a Design & Construct constellation.

Scope of work

- Preliminary Design of ramps, bored tunnels and technical installations
- Definition of Employers Requirements
- Cost estimates
- Competitive dialogue negotiations with contractors consortia
- Checking detailed design of contractor for ramps, bored tunnels and technical installations
- Commissioning of tunnel segments and TBM
- Construction supervision