

Movable bridges Sfax Tunisia

Client:

SCET Tunisie

Financing agency:

Tunisian Government

Scope of services:

Design and supervision of works

Executed under name:

DHV Environment and Infrastructure

Location:

Sfax, Tunisia

Period of assignment:

1998 - 2001



Situation

A water basin called "la Darse" is situated in the next to the old town centre in the city of Sfax. This basin, used in the past for shipyard activities, is going to be developed into a marina. Access to the future marina takes place through the commercial harbour, via a channel called Canal de la Darse. This Channel is crossed by a two lane road and a two track railway. Since it is impossible to build high bridges over the Channel, due to the surrounding urban infrastructure, it was decided to build movable bridges to allow yachts to enter the marina.

Assignment

After a tender procedure SCET Tunisie was awarded with a contract for design and preparation of tender documents and later for supervision of the execution of the works. Since SCET Tunisie had no experience in movable bridges, DHV was hired for all aspects of movable bridges, principles, architecture, design, e-installation and control and mechanical installation.

The Project

A project was prepared and tender documents, based on the turn key principles, where all design work was to be done by the contractor. DHV started with training courses on the project and on the principles of movable bridges. As a next step, and together with SCET Tunisie, a design was made for the bridges, based on the draw bridge principles.



For the tender documents DHV provided all specific texts related to the specific movable bridge aspects, the e-installations and the control installations. During execution DHV was in charge of the control of all design work related to the specific movable bridge aspects and the e- and control installations. A supervisor of DHV checked the steel works in the workshops of the contractor and experts of DHV supervised the testing at Completion of the works.



*DHV B.V.
Environment and
Transportation
Laan 1914 no. 35
3818 EX Amersfoort
P.O. Box 1132
3800 BC Amersfoort
The Netherlands
T +31 33 4682000
F +31 33 4682801
E info@dhv.nl
www.dhv.com*

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