

# TUNNEL UNDER MARSELIS BOULEVARD, AARHUS, DENMARK

**Improved road link to the Port of Aarhus along Marselis Boulevard – environment-related services.**



## **Customer**

*Århus kommune  
(Municipality of Århus)*

## **Location**

*Århus, Denmark*

## **Period**

*2008 – 2015*

## **Services provided**

*Conceptual and design for D&B contract. Procurement management Geotechnics and soil mechanics, environmental and quality mangagement, Environmental investigations and evaluation, Utility relocations, 3D CAD model, Risk and Safety management and analysis, Service and maintenances, District planning.*

The project consist of a 1,8 kilometre C&C tunnel including mechanical and electrical installations, several road and railway bridges (e.g. Railway bridges at Langenæs, Bridge in connection with the grade separation between Åhavevej and Viby Ringgade), all temporary structures and the connecting roads systems including all road equipment e.g. the relocation and widening of Åhavevej.

Further, the implementing of intelligent traffic system (ITS) and technical and monitoring center was included as well as considerations and demands of service and maintenance of the structures and installations after construction.

The customer is the municipality of Aarhus in Denmark. Rambøll Denmark was responsible for all consultancy disciplines involved

in all stages of the project thus from planning and designing to the preparation of tender

A complex project with multidisciplinary technical disciplines and with special attention of the logistic of the construction work, construction methods, and the handling of traffic during construction.

Throughout the project a 3D CAD model was used and became very valuable in the decision process.

Århus Byarkitektur and Møller & Grønborg were partners that were responsible for the aesthetics of the structures and landscape.

## **Customer Value**

The Tunnel is part of an improved connection between the overall motorway system and the Port of Aarhus

increasing capacity and traffic safety contributing to the continuing development of the Port of Århus.