

Project identification

New Tyne Crossing

Type of project

Design & Consultancy / Immersed tunnel



Client

Tyne & Wear Integrated Transport Authority

Project assignment

The consortium advised the Tyne and Wear Integrated Transport Authority on all financial, engineering, legal and property matters involved on the proposed new road tunnel for the River Tyne.

Country

United Kingdom

Location

Tyne & Wear Integrated Transport Authority

Project duration

November 1999 – March 2011

Project phases

Project Definition - Project Execution

Construction cost

EUR 176.000.000
(excl. VAT)

Consultancy fee

EUR 1.200.000
(excl. VAT) – (Royal Haskoning/TEC fee)

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Project identification

New Tyne Crossing, Newcastle - United Kingdom

Type of project

Design & Consultancy / Immersed tunnel

Project description

Royal Haskoning (one of the founding members of TEC) was appointed to provide specialist advice for the proposed new crossing of the River Tyne adjacent to the existing Tyne Tunnel as part of the consortium of advisors headed by Ove Arup and Partners which also includes Legal Advisors Herbert Smith, Management Consultants Price Waterhouse Cooper and Chartered Surveyors Lamb and Edge.

The consortium advised the Tyne and Wear Integrated Transport Authority on all financial, engineering, legal and property matters involved on the proposed new road tunnel for the River Tyne.

Royal Haskoning provided tunnel expertise and advice on environmental matters, geotechnics, river hydrology, dredging, immersed tube technology, cut and cover tunnel approaches, tunnel element building dock, electrical/mechanical and plant systems.

A Reference Design for the tunnel was prepared by Royal Haskoning which formed the basis upon which all necessary approvals and Parliamentary powers to construct the tunnel were obtained. The tunnel was planned for a site east of the existing tunnels between Jarrow and East Howden, to be built and operated by a Public Private Partnership (PPP) involving private firms who would join together as the Concessionaire.

The consortium was responsible for advising the Tyne and Wear Integrated Transport Authority on project definition, budget costs, developing the PPP project, Transport Works Act processes, Public Inquiry, tendering process and the structure of the Concession Agreement.