Movares
consultants & engineers

RENOVATION/REPLACEMENT OF STEEL BOWSTRING BRIDGES

Bringing the technical condition of the bridges on the Amsterdam-Rhine Canal into line with current and future requirements

The Amsterdam-Rhine Canal is an important waterway linking the port of Amsterdam and Germany's Ruhrgebiet. It is also one of the most intensively-used waterways in the world. The Dutch Directorate-General of Public Works and Water Management wishes to renovate some of the steel bowstring bridges over the canal and replace others. Movares is supplying part of the structural design for the bridges and advising various contractors on the drafting and execution of maintenance and renovation plans.

The Dutch Directorate-General of Public Works and Water Management has commissioned the KWS-Mercon partnership to bring the technical condition of the bridges on the Amsterdam-Rhine Canal into line with current and future requirements. In turn, KWS-Mercon has commissioned Movares to advise on the renovation/replacement of eight steel bowstring bridges, all of which were built between 1934 and 1976. Three bridges will be renovated, include the Amsterdam Bridge. This will extend their service lives by at least 30 years. Five bridges are to be completely replaced, including the Breukelen Bridge.

Where necessary, the bridges will be raised by between 25 and 50 cm, so that four-tier container ships will also be able to negotiate the Amsterdam-Rhine Canal in the future.

Location:	Amsterdam-Rhine Canal
Period:	2010 - present
Customer:	Dutch Directorate-General of Public Works and Water Management / KWS Mercon

giving shape to mobility

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