Evening Lecture – Bridge Renovation Programme: Strengthening of large steel bridges in the Netherlands

In the 1990’s, the Dutch highway authority, Rijkswaterstaat (RWS), became aware of a pending performance issue at many of its large steel bridges, due to the onset of fatigue damage and growing truck numbers. The authority has assessed the cause of the fatigue damage, determined which bridges are most in need of repair and put in place a programme to extend the functional life of these bridges. Since 2009, Arup have been working with RWS to deliver the renovation of 8 of these bridges. This lecture will give a summary of the technical and procurement aspects associated with realizing this ambitious rehabilitation programme of large span steel bridges. Particular attention will be given to one bridge (Ewijk Bridge) which is currently undergoing significant strengthening works, including the full replacement of stay cables.

Presented by:-

Pat Moore & Edo Vonk Arup
Pat is a Chartered Engineer and an Associate at Arup. He has supported RWS since 2011 in delivering this renovation programme. Pat is the technical manager for Kreekrak Bridge, one of the bridges currently at construction stage.

Edo is an Associate Bridge Engineer with Arup. He is both the overall technical manager for the RWS rehabilitation programme, and the technical manager of Ewijk Bridge.

6.30pm, Tuesday 12th May, 2015
at Engineers Ireland, 22 Clyde Road, Dublin 4
(Admission Free - All welcome)

For further details www.engineersireland.ie or email Fergal Cahill at fcahill@nra.ie