Presentation on Cape Clear Island Hydraulic Storm Gates

Date: Tuesday 9th February 2016
Time: 19:00 (Tea/Coffee from 18:30)
Venue: Rochestown Park Hotel, Cork
Speakers: John Norris, Malone O’Regan Consulting Engineers
           Richard Browne, L&M Keating Building & Civil
           Engineering Contractors

Synopsis: The presentation will demonstrate the novel approach taken to the design and
construction of the new automated storm gate harbour entrance to Cape Clear Harbour. It will detail
how engineering challenges associated with underwater and overwater building works on Ireland’s
most southerly inhabited island were overcome through novel design and temporary works. As part
of the works, the 1000t concrete storm gate lock chamber was constructed in Cobh Dock Yard and
towed over 100km to Cape Clear Island. The presentation will highlight the challenge of ensuring
that this 15m x 15m x 9m high 1000t chamber ‘arrived on the right day, at the right stage of the right
tide, with the right weather conditions to slot the chamber into exactly the right spot in a two hour
tidal window’. The complete CE marked solution includes two 30t steel gate leaves actuated by 140t
hydraulic rams and electric powered HPU’s controlled by one central computerised control panel.

Speaker Bios: John Norris is a Director of Malone O’Regan Consulting Engineers and was responsible
for the civil and structural design, procurement and the administration of the Contract. John is a
Chartered Engineer with over 30 years design and construction experience in civil engineering and
building projects.

Richard Browne is a Director at L&M Keating and was recently awarded Engineers Ireland Chartered
Engineer of the Year, 2015. As Project Director, Richard had overall responsibility for the
construction of the works through his construction team and was Design Lead and Coordinator for
contractor design build and temporary works on this technically challenging project.

Admission FREE  Booking Not Necessary  Non-Members Welcome
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