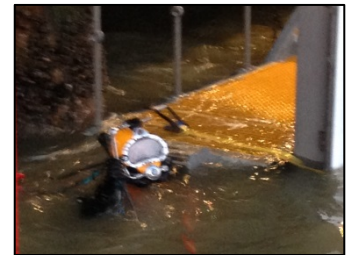
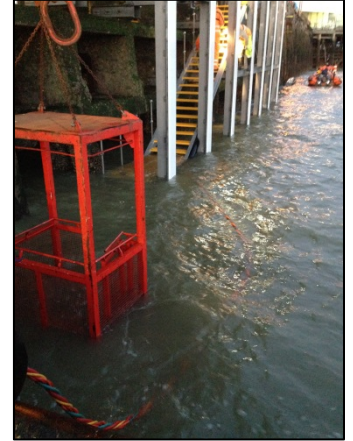


# UW Cutting & Construction

## RLNI Southend – Southend-on-Sea Pier, Essex

OFFSHORE & INSHORE DIVING SERVICES TO PUBLIC, PRIVATE, FRAMEWORK AND ENERGY CLIENTS WITHIN THE INSHORE/INLAND, MARINE RENEWABLES AND OIL & GAS SECTOR



**Date:**  
Oct 2015  
Jan 2016

**Overview:**  
Red7 was contracted by the Client to provide diving services and surface teams at Southend Pier, with the purpose of cutting existing timber piles and assisting with the underwater construction of a bespoke RNLI boat landing fender structure and staircase.

**Programme Duration:**  
2 Days

**Description:**  
Red7 was approached to provide a two part solution;  
Surface Operation: to cut and remove existing hard marine timber fender pile. On the day of operation despite water levels being higher than predicted and poor environmental conditions, Red7 operatives were successfully and safely able to produce a clean cut 300mm below the water line at the peak of low water during the hours of darkness, negating the need for a diving operation. The clean cut level provided a 150mm+ clearance to the proposed new structure.  
Diving Operation: return at a later date to provide underwater services to install and secure underwater fixings. Due to the restricted access to the work site, Red7 mobilised a surface supplied diving spread onto a work barge the day prior to the planned diving operation. Prior to the mobilisation, the Client was able to lift and temporarily secure the stair stringer into position. On the day of diving operations Red7 divers installed remaining fixings and torqued them to specification before undertaking a bed level survey below and adjacent to the stair stringer and new RNLI landing area for obstructions, locating a small amount of wire mesh that was subsequently rigged and lifted out of the water.  
Due to the swiftness and proficiency of Red7 and combined efforts of site operatives from the Client & 3<sup>rd</sup> party vessel, both stages of the project was successfully and safely delivered over two tides, requiring only a single surface and diving operation.

**Project Number:**  
115020

**Client:**  
RNLI

**Principal Contractor:**  
Red7