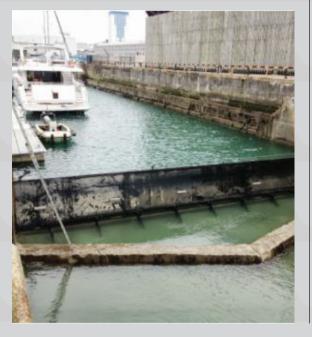Client: **Princess Yachts International Plc**

Project: **Shallow Dock**

February 2013

Requirement:

The conversion of a decommissioned naval dock, for the purpose of fitting-out superyachts. Minimum impounded water level, 3 mtrs. Backup to prevent vessels grounding in the event of a malfunction.

Solution:

Design, fabrication and installation of two identical tidal gates at the mouth of the dock, with identical and fully interchangeable winches and diesel/hydraulic power packs. A minimum of two independent physical indicators on each gate to show yacht captains the exact gate positions, at any state of the tide.

TMS Maritime were commissioned by **Princess Yachts** to convert a decommissioned naval dock, at their recently acquired superyacht production facility in Devonport, Plymouth, into a shallow dock for fitting out superyachts, moulded in the adjacent new build sheds.

The contract was complicated by the need to reduce the height of an existing cill, at a depth that could not be reached with shore based plant. One of TMS's crane barges completed this work, prior to the cill being re-cast with abutments for the first gate, whilst a second cill and abutments, were cast for the second gate.

Steel fabrication of the gates was carried out off site in a TMS joint venture operation, before final assembly and protective coating was completed on site. Throughout the contract, the dock remained operational for Princess Yachts fitting-out work at a reduced level. The contract was carried out with seven day working over an extended Christmas and New Year period, in very challenging weather conditions. On handover, the final impounded water level achieved was 3.4 mtrs.