

TMS Maritime is a leading UK specialist in marine civil engineering, ancillary floating plant and diving services

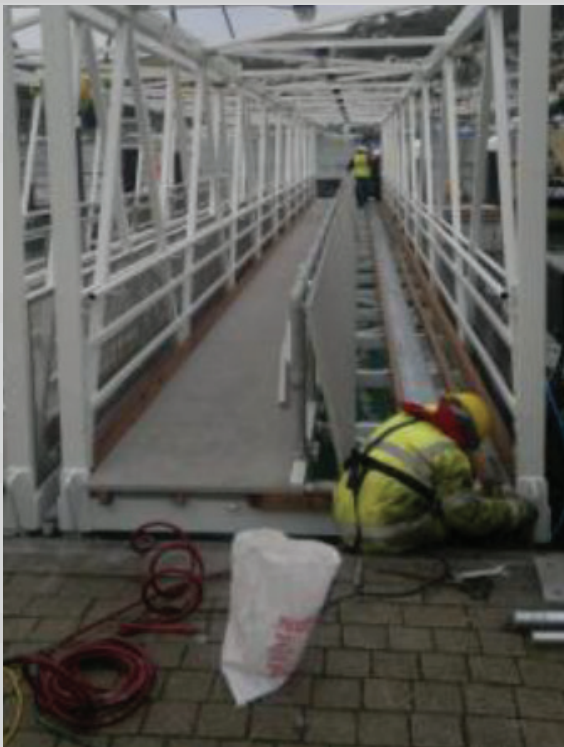
Client: **South Hams District Council**

February 2012

Project: **Ferry Terminal Access Bridge & Pontoon**

Requirement:

A new ferry terminal access bridge and landing pontoon, to upgrade and replace the ageing bridge on the town quay in Dartmouth, Devon.



Solution:

To avoid disrupting ferry schedules, the time slot for the whole operation was just five days, to refurbish tubular piles, install the new bridge, landing pontoon, passenger shelter, then re-route water and electrical systems.

The first challenge was getting a barge small enough for the narrow water access, yet big enough for a large crane with capacity to lift the old 16 ton bridge. This was overcome by cutting the bridge into two sections, so that the plant could be downscaled.

The solution involved the fabrication and installation of two new identical, parallel bridges to provide separated 'on' and 'off' quay access with lighting and shelter from the elements. This was designed so that during essential future maintenance, only one side of the bridge needs to be taken out of service, whilst the other side remains operational.

The scheme also involved other works that are an integral part of TMS Maritime's skill set. Almost 3,000m³ of river bed material was dredged, whilst 2000 tonnes of rock armour was imported and placed in position.

