

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

Client: **Mansell**

Project: **Landing Craft Slipway, Devonport Dockyard**

Requirement:

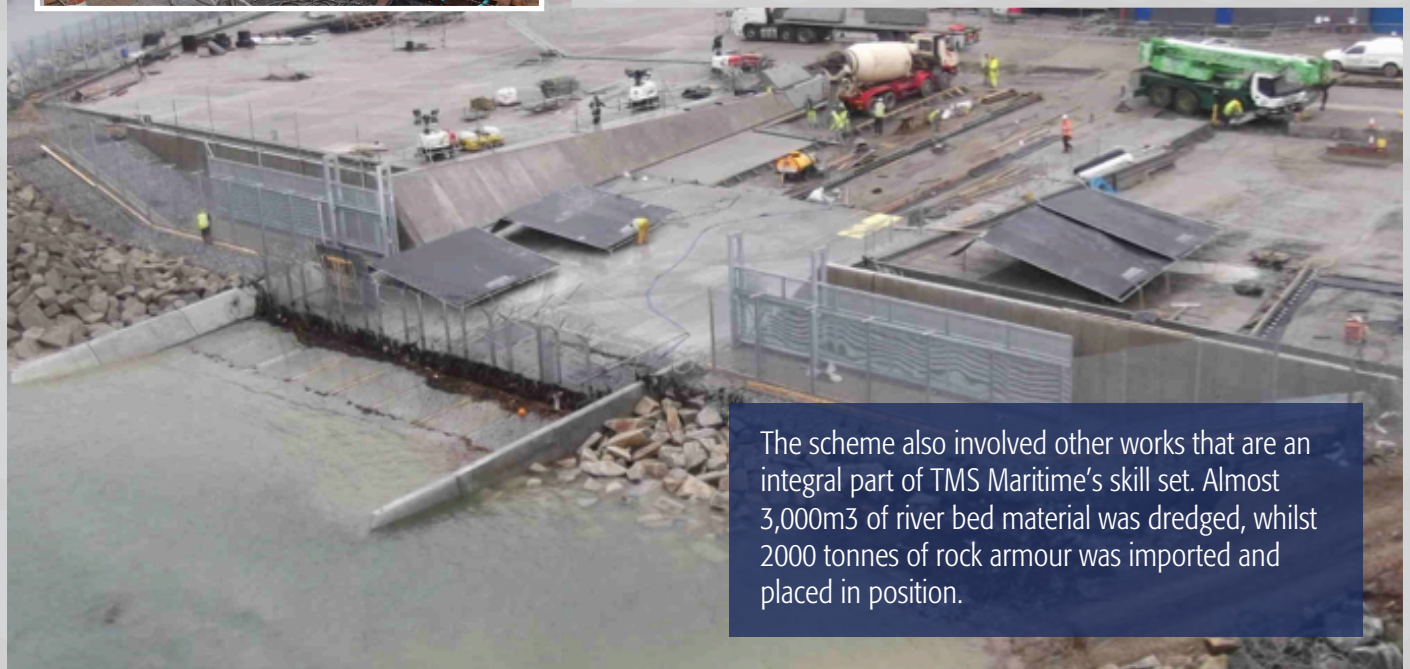
A £25m complex at Devonport Dockyard has been built for the Ministry of Defence to provide services for the landing craft and assault boats of 539 Assault Squadron Royal Marines. A critical factor in this development was to provide the ability for the Landing Craft Air Cushion (hovercraft) and regular Landing Craft to be removed from the water. This was achieved through the construction of a new slipway.



Solution: ▼

Working for Mansell, the principle contractor, TMS Maritime undertook the work to construct the slipway. The project was completed both within and above the tidal zone. Within the tidal zone, the slipway was formed using a series of precast concrete slabs laid to the correct fall. Kerbs up to 4m high were formed in-situ using sprayed concrete, to provide a funnel for the hovercraft should they be slightly wayward when climbing the slipway. Above the tidal zone, the slipway was cast in-situ and the kerbs were formed of precast concrete panels.

Each precast kerb was up to 20t in weight. The slipway was designed at the maximum angle that a hovercraft can climb; the large kerbs were therefore a very important aspect of the project, being designed and constructed to resist a glancing blow from a hovercraft running at speed. Substantial hardwood fendering was installed on the new boat lift structure.



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.