

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

Client: A&P County Wharf

Value: £328,000

Project: Fender Installation, Falmouth

August 2022

Description:

In August 2022, Teignmouth Maritime Services were contracted by A&P County Wharf at Falmouth Docks to install three new fender units to replace the failed wooden fenders that were already in situ.

With input from TMS Ltd, the design solution used a pre-fabricated fender head unit supported on 4 driven piles. The bespoke-designed fender head was fabricated by TMS's BS EN ISO1090 accredited welders.

Working with A&P Ports, an installation solution was derived that used the Port's own crane to pitch the piles into a temporary gate fabricated by TMS. This relieved the existing quay of heavy loading with a crane and also eliminated marine craneage at significant cost saving.

Once pitched, the piles were driven with a leader rig into the rock under the river bed to 30m in depth.

The new fender head units were fitted in one piece with new cylindrical rubber fender units and were welded into position before being painted to complete the installation.

New shear-restraint chains were installed with quay face plates retro-fitted to the existing quay concrete face. The redundant timber fenders were then removed to leave a clear seabed.

