

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

Client: Swanage Pier Trust

Value: £950,000

Project: Swanage Pier Restoration

Duration: 6 Months

Description:

TMS Maritime were appointed by the Swanage Pier Trust to undertake extensive repairs and restoration of the historic timber pier on the Isle of Purbeck (Dorset). The pier was constructed in 1895 for the steam ship passenger service and has suffered extensive marine boring worm damage. TMS scope of work included replacement of many of the worst affected timber piles, including deconstruction of the superstructure and reconstruction in new hardwood structural timbers. The piles were extracted using jack-up barge based plant, including specialist crane suspended vibratory extraction equipment. During extraction, many of the timber piles broke under the water level, requiring our in-house dive team to place the extraction equipment on the remaining pile head under water to complete the extraction.

Much of the work was undertaken in the inter-tidal zone, requiring specialist access and support to hold the structural members during in-situ drilling and bolting. The project team used a combination of specialist access equipment, engineered temporary works and tidal logistics planning to give safe access to all areas of the pier. The project was financed by charitable donations and heritage funding, requiring TMS to work closely with the Pier Trust to manage scope and construction costs to remain within the limited budget.

