



FIBRWRAP®

Worldwide Specialised Contractors

FIBRWRAP CONSTRUCTION UK Ltd.

Strengthening Structures | Protecting Lives Worldwide.



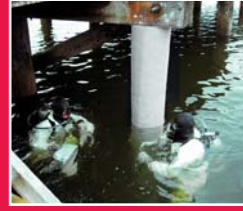
Transportation



Buildings



Pipelines



Waterfront

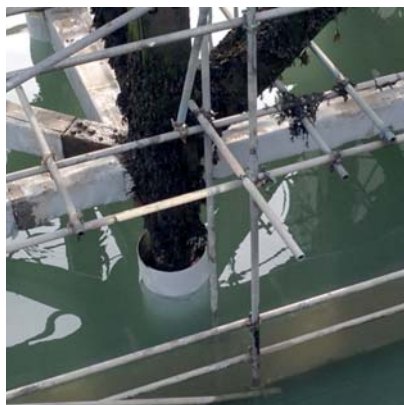


Industry



Strengthening & Protection of Finger Jetty Pier at the Royal Navy Base, Portsmouth, UK.

The Finger Jetty at the Royal Navy Base in Portsmouth is a short jetty, approximately 20 meters in length by 4 meters wide, constructed of Greenheart timber and built circa 1970. It consists of two rows of 300mm X 300mm Greenheart timber piles that have been driven into the seabed. Fibrwrap UK strengthened the 14 main piles that had suffered serious degradation from the environment by encasing them in Tyfo prefabricated FRP jackets. The annular space between the jacket and pile was then filled with a high strength grout to increase the axial capacity. Finally a third layer of FRP was applied with Fibrwrap Tyfo SW-1S (underwater epoxy) for additional hoop strength and protection. A percentage of the lateral braces were also wrapped with TYFO FRP and SW-1S for protection.



Project: Strengthening & Protection of Finger Jetty Pier at the Royal Navy Base

Location: Royal Navy Base, Portsmouth, UK

Client: BAE Maritime

Contract Duration: 16 weeks

Scope of Works:

- Strengthening and Protection using Tyfo prefabricated FRP jackets and high strength grout.
- Protection of piles and brace elements with Fibrwrap Tyfo SEH and SW-1S systems.

"This project was a particularly challenging one, the very small, unpredictable tidal windows meant that our guys had to work short sharp shifts at all kinds of unsociable hours. However the job needed doing and our guys respect that fully – They're a credit to us"

Jamie Dempster
(Managing Director, Fibrwrap UK)