



Client: Costain

**Requirement:**

TMS were appointed, by Costain, to complete the installation of tubular fender piles on the River Severn at Mythe and Upton. These piles were to protect the water treatment works and an eel pass.

**Solution:**

The original scope of the project included:

- Mobilisation of a 100t jack up barge and load a 80t crawler crane onto the barge deck.
- Load the piles, piling hammer and associated equipment onto the deck of the barge.
- Transport the Jack up barge to the working positions using a Nato tug and a small work boat.
  - Once in position, the Engineer set the positions for the piles to be installed.
- A temporary piling gate was constructed to hold the piles in position during installation.
  - The piles were lifted into position and driven to level.
  - Fibreglass piles caps were installed onto the top of each pile.
  - The pile gates were then dismantled.
- The Jack up was taken back down the river and de-mobilised.

The project was logistically demanding due to the operation being very sensitive to the water level in the River. Due to excessive flood rainwater, the job had to be stood down for a period of time while levels were monitored. Unfortunately, the river levels did not drop and all plant was demobilised.

The works re-commenced a few months later and a new methodology agreed; plant was then mobilised for the second phase of works. The whole package of works was completed on the return trip to the Client's satisfaction and without incident.

