
PROJECT: **SABIC JETTY No3**

FENDER REPLACEMENT

VALUE: £570,000
ROLE: MAIN CONTRACTOR
START DATE: MARCH 2012
COMPLETION: APRIL 2012

CLIENT: SABIC UK PETROCHEMICALS
NORTH TEES WORKS
MIDDLESBROUGH
TS2 1TT

- 4 week 'shut down' of the Ethylene Jetty
 - 50t of prefabricated fender panels
 - 160m Tubular Piles
 - 40m³ of in situ non-shrink concrete
 - 35t Greenheart timbers
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In April 2012 we carried out the replacement of the end fendering systems on Jetty No3 at Sabic UK Petrochemicals.

Due to restricted access to the jetty, all plant and prefabricated materials were loaded onto a barge at the Port of Sunderland and shipped to the River Tees.

Working from a barge the existing fendering systems were removed in large sections and then stripped down into its individual components for recycling / disposal.

New fender piles were driven over the existing piles and a prefabricated steel fendering system was placed on top and bolted up. Concrete was placed between the existing and new piles and the fender sleeves. New fender cones were installed as were new shear chains. Cathodic protection was attached to the fenders to prevent future corrosion.

New 300x300x6600mm greenheart timbers were fixed to the frame to act as the cushion for the shipping.



Prefabricated fender panels



Working from a barge in the River Tees

CHALLENGES

Strict environmental conditions and piling restrictions were imposed by the Environment Agency & MMO licence; full compliance with these was achieved.

SAFETY

A permit system was agreed prior to the works commencing and implemented throughout the duration of the works.

PROGRAMME

Due to the 4 week 'shut down' of the Ethylene Jetty works were carried out 24hrs a day using 2no shifts working 12hrs. The works were completed within the 'shut down' period.



300x300 profiled greenheart timbers



New fenders at east and west of jetty



Complete west fender



Concrete repairs under jetty