
PROJECT: NORTH BREAKWATER WALL RECONSTRUCTION, PETERHEAD.

VALUE: £530,000
ROLE: MAIN CONTRACTOR
START DATE: AUGUST 2016
COMPLETION: DECEMBER 2016

CLIENT: PETERHEAD PORT AUTHORITY
HARBOUR OFFICE
WEST PIER, PETERHEAD
AB42 1DW

- Working on an exposed breakwater
 - Working in a live harbour
 - 30m breakwater repair
 - 87m construction of new wave wall
 - Pre-casting of 30t blocks on site
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The project comprised of the repair of 30m of the existing North breakwater between low tide level and deck level. The works involved the dismantling and removal of the remaining damaged blockwork & concrete followed by the reconstruction using 26no 30 tonne precast concrete blocks which were also constructed on site.

The scope also involved the construction of 87m of 1.5m high reinforced concrete combined deck & wave wall on top of the precast blocks.

The works were carried out at the very end of the breakwater situated at the roundhead.



Precast Concrete blocks constructed on site



Breakout of the existing damaged section

CHALLENGES

Due to the location of the works, the adverse weather and tidal swell coming from the sea proved to be a major issue disrupting the access and progression of the North Breakwater works, particularly for low water works. To minimise the downtime, the works were carried out using precise and planned methods to ensure all works was completed safely, efficiently, and without disruption.

The project also involved carrying out works on a live operational breakwater, working side by side with other contractors and port operational staff that regularly attends to various vessels berthed in the port.

PROGRAMME

The project duration was 16 weeks', work commenced on 22nd August 2016 and was complete on 9th of December 2016.