

# New Marina - Hartlepool - Cleveland



**Project:**

New Marina and Associated  
Yacht Lock

**Location:**

Hartlepool - Cleveland

**Client:**

Teesside Development Corporation

**Consulting Engineer:**

Alan Wood & Partners

**Contractor:**

Various

**Project Value:**

£3 million

## Description:

Following the successful development of the disused docks within Hull City Centre into a marina, for which Alan Wood & Partners were the Consulting Civil & Structural Engineers, the Teesside Development Corporation commissioned Alan Wood & Partners to prepare a feasibility report upon a marina within existing docks at Hartlepool.

The report highlighted to Teesside Development Corporation a number of options for the development and the alternatives were supported by comment upon their suitability and budget cost estimates. A firm commitment to the marina was made by the Teesside Development Corporation and Alan Wood & Partners were engaged as the Engineers for the reconstruction of a yacht lock including new lock gates, with provision of the main marina infrastructure and the dredging of the channel from the yacht lock to the open sea.

Reinforced concrete gate housings were construction at each end of the existing lock and steel sector type lock gates installed to maximise the possible operating times of the lock within the tidal cycle. A lock control marina office building was built at the side of the lock and a retractable bridge installed across the lock for emergency vehicle access.

Berthing pontoons with associated services have been installed that are restrained against movement by vertical tubular steel piles. An amenity building at the bridge-head fulfils the requirements of toilets, showers, refuse disposal etc. while also providing security to the pontoons.

The dredging involved the removal of approximately 18,000m<sup>3</sup> of sandy silt from the West Harbour to provide a level channel to the sea similar to the sill level of the lock.