



## Client:

Parkeston Quay HOOB

## Location:

Harwich International Port

## Summary

Parkeston Quay at Harwich International Port is the fourth High Output Operations Base (HOOB) CML has constructed for Network Rail. The HOOB is required to service and replenish the High Output Ballast Cleaning System (HOBCS) and Track Renewals System (TRS) trains due to serve Anglia as part of the High Output plan.

## Project Overview

- Installation of 400 metres of new sidings to accommodate a new train inspection pit, and re-align/upgrade 800 metres of existing sidings.
- Design and install 1 Nr 40m long under track reinforced concrete pit, incorporating step access at both ends, sump, power, lighting and canopy.
- Jacking strip foundations incorporated into pit.
- Install a new 18.3m x 6.3m x 3.66m high galvanised steel workshop, including all services.
- Install 50m long wash apron on the existing sidings, including water and power supply, sump and drainage system.
- Design and Install accommodation based upon maximum 48 staff, 14 desks and 48 lockers, including all services, toilets, shower rooms and dry stores.
- External works to provide safe access – hardstanding areas, walkways, access roads, handrails and Armco barrier protection.
- Install 1 Nr. 22,500 litre self-bunded fuel tank with 23m hose reel, including power supply and lightening protection.
- Install 1Nr 8 Unit steel bunded 2 tier IBC store with sliding doors to facilitate oil storage.
- Install gas storage cage 2480mm high x 2520mm wide x 3700mm deep with 1.2m wide gate to store gas cylinders.
- Install 'overtrack'/'overpit' 00m x 7.34m wide x 6.30m high canopy, incorporating lighting and fall arrest system.



## Successes

Worked collaboratively with NWR and Amey Colas to ensure the Ballast Cleaning train can be maintained every shift to prevent any possible delays – strong focus on the end user from design to commissioning.

Staged handover of the depot to allow staff sufficient work areas to continue to effectively deliver their maintenance regime during construction.