

Manila International Container Terminal – Berth 1 – 5 rehabilitation

Philippines



General contractor

Consortium with Prime BMD (prime BMD have 3 subcontractors, Hydros, Subsea and another one yet to be defined)

Customer/Owner

ICTSI

Engineer

GHD

Freyssinet subsidiary

Freyssinet International & Cie (Rueil-Malmaison)

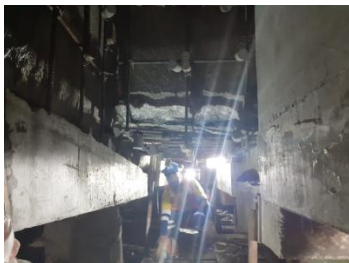
Others subsidiaries

Sixense

Works period

Start date: May 2019

End date: October 2020



PROJECT DESCRIPTION

Located in the very center of Manila, MICT is one of the busiest Container Terminal of the Country.

Berth 1, 2, 3 and 4 were built in the 80's, and are a 900m long reinforced Concrete deck on pile, 20m wide.

Berth 5 was built in 1995, and is a 400m long, steel sheet pile key wall

The different elements of the structures were showing significant deterioration due to corrosion and FREYSSINET PrimeBMD Consortium were contracted to undertake a major rehabilitation and life extension of the wharves.

All works are executed while the Terminal is under operation.



FREYSSINET MISSION

Freyssinet is responsible for the following repairs under the wharf, above water level:

Epoxy resin crack injections

163m² of concrete Patch repairs

763m³ of Concrete Encapsulation by

Dryshotcrete and microconcrete

Cathodic Protection by installation of 18, 000Sacrificial Anodes

30, 000m² of hydrophobic Silane application

144 external Post-Tensioning Cable investigation, protection and/or replacement

PrimeBMD 's scope under Freyssinet 's Management:

Repair and restoration of coating to steel sheetpile wall

Cathodic protection of steel sheetpile wall by Sacrificial Anodes (diving works)

Concrete repair of piles underwater (diving works)Restoration and replacement of Fender, bollards and crane tie downs

