

CONSTRUCTION OF THE FISHING PORT MOLE

ABIDJAN - CI - Côte-d'Ivoire



TYPE OF PROJECT

Quays, Piers And Jetties

YEAR OF CONSTRUCTION

2020

CLIENT

Autonomous Port Of
Abidjan

CONTRACTOR

DESIGNER

PROD. RELATED

Reno Mattress Plus (), Nonwoven Geotextiles ()

Challenge

As part of the port's modernisation and expansion to accommodate more fishing vessels, a mole measuring

450 m long by 16 m wide, with a draught of 8 to 10 m, was built.



Filling of the Reno Mattresses



Placement of the Reno Mattresses

Solution

To protect the quay toe against scour caused by boat propellers, Sogea Satom CI, EMCC CI and Maccaferri proposed a Reno Mattress solution. This solution can be installed in situ; however, since this was not possible for this project, the mattresses were pre-filled on a platform and then placed in the water using a lifting beam.

To ensure continuity of the scour protection system, the mattresses were equipped with double-twisted wire

mesh overlaps and a geotextile.

The Maccaferri advantages:

- Layout design of the solution by our technical department and preparation of a technical file
- NF Acier-certified double-twisted wire mesh
- Structures protected by an organic coating, with an estimated service life of 120 years
- Technical assistance during the start-up phase of mattress prefabrication



Placement of the Reno Mattresses



OPEN GOOGLE MAPS



OPEN GOOGLE EARTH