

# PROJECT SHEET

**T1 - PORTO DO AÇU, BRAZIL**  
DEEPENING DREDGING

## INTRODUCTION

Terminal T1 is located in Porto do Açú, in the city of São João da Barra, in the north of Rio de Janeiro State. The service of Boskalis consisted of removing the material deposited by siltation in the area of mooring and turning basins, as well as in the access channel, in order to guarantee the draft at -20.50 m DHN.

In the first port's operation phase, only the export terminal of iron ore was considered, and ships that needed draft at quota -20.50 m DHN.

These works were carried out by Boskalis, with Ferroport (AngloAmerican and Prumo Logistica) as client, current designation of LLX Minas-Rio.

## PROJECT DESCRIPTION

Deepening dredging up to -20.5 m DHN, in a 230 m wide Channel and Turning Basin of 700 m in diameter, according to the project. The dredged volume, result of the execution of this Project by the TSHD type dredgers was 7,607,603 m<sup>3</sup>.

Additionally, a volume of 29,019 m<sup>3</sup> was removed by the Grab Dredger, GD type, in the mooring basin sub-areas.

The dredged material, essentially silt-sand was discarded in an oceanic deposit area, located in a maximum distance of 26 km from the dredging site.

## LOCATION CONDITIONS

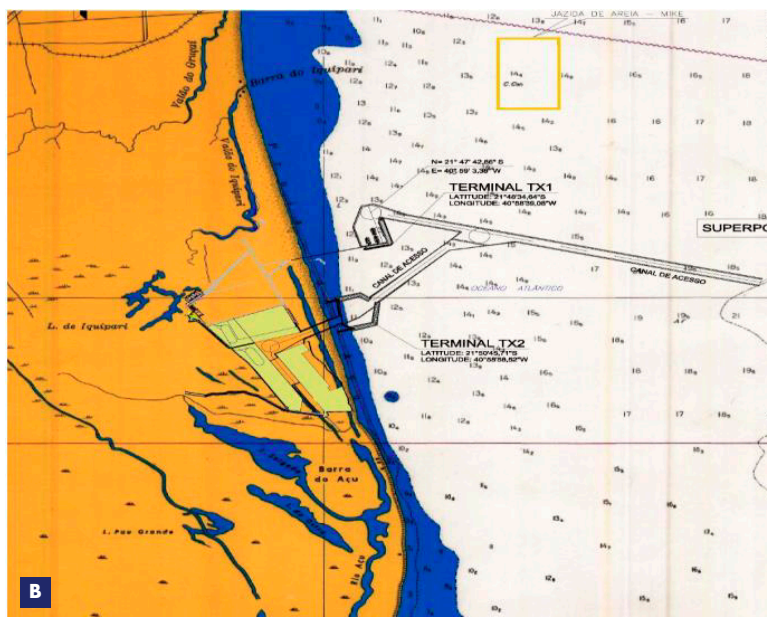
Site conditions are always an important factor for the selection of the working method. For the maintenance dredging project of the Turning and Mooring Basins and of the T1 Access Channel, the most important elements were the soil conditions in place, meteo-oceanic conditions and bathymetry.



**A** Aerial view of Terminal T1  
**B** The Project Location  
**C** TSHD Prins der Nederlanden

## FEATURES

Client	LLX MINAS-RIO
Location	São João da Barra-RJ
Period	January 2015 - October 2015
Contractor	Boskalis do Brasil Dragagem e Serviços Marítimos Ltda.



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