

PROJECT SHEET

ONNE PORT, NIGERIA
PORT EXPANSION PROJECT

INTRODUCTION

In May 2011, Prodeco International Limited awarded Boskalis International B.V. the project for the expansion of the Federal Lighter Terminal (FLT) and Federal Ocean Terminal (FOT) of the Onne Port Complex. The project entails the reclamation of approximately 200ha with suitable materials from nearby borrow areas.

In the Port Harcourt area, the Onne Oil & Gas Free Zone is undergoing a massive expansion under the management of Intels & Prodeco. The facilities in Onne will provide the oil & gas industry with a supply base, warehousing, and fabrication yards, and other related activities. There is also a general container cargo facility. All activities need more space, more quay wall length with sufficient deep water, and more industrial areas.

DREDGING AND RECLAMATION

Boskalis was in charge of, and responsible for, the dredging and reclamation activities. Two areas of approximately 100ha each were reclaimed with sand from the Bonny River. For this project, the Trailing Suction Hopper Dredger (TSHD) Waterway was mobilized, as was the Cutter Suction Dredger (CSD) Jokra I, both owned by Boskalis. Moreover, a whole range of auxiliary equipment was brought to the site, including but not limited to bulldozers, hydraulic excavators, wheel loaders, a survey vessel, tugboat and barges.

FEATURES

| | |
|------------|-------------------------------|
| Client | Prodeco International Limited |
| Location | Onne port, Nigeria |
| Period | 2011-2014 |
| Contractor | Boskalis International B.V. |



A

- A** Aerial view of the site
- B** In addition to the vessels, a whole range of auxiliary equipment was brought to the site



B

QUALITY CONTROL

The quality control on the work, the settlement of the subsurface in the reclamation areas and of the sand supplied were constantly monitored by our in-house geotechnical engineers from Boskalis Environmental, which is part of the Boskalis group of companies. Boskalis has its own geotechnical laboratory on site for the required geotechnical tests.

ENVIRONMENTAL MANAGEMENT

In a short time frame of less than a year, the work advanced well and a large quantity of sand was taken from the borrow areas to complete the reclamation of the FLT area and start on the reclamation of the FOT area. The sand was pumped ashore with the utmost care for the environment and the difficult subsurface conditions to avoid landslides or other disruptions.

LOCAL COMMUNITY

The workforce of over 250 persons is mainly from Nigeria. As always, there is a strong focus on working with the local communities to man the project and to train the workforce, as well as to make sure the local communities are benefiting from the spin-off from the work. Supplies, additional equipment leasing and manpower are mainly arranged through the host communities, as well as accommodation for the Nigerian workforce.



C



D



E

- C** Two areas of approximately 100ha each were reclaimed with sand from the Bonny River
- D** CSD Jokra I at work on site
- E** Land reclamation for the expansion of the Federal Lighter Terminal

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