



Artist rendering only

Project entails the out of service inspection, repair and upgrading of bulk storage tanks at the TOTAL Walvis Bay depot.

The depot consists of 6 bulk fuel storage tanks. All tanks were worked on in the sequence as approved by TOTAL. The work included draining the tank, degassing, cleaning the inside of the tank, complete out of service inspection of the tank, affecting repairs and upgrading the tank to meet TOTAL's minimum requirements. The works in essence included:

- Preparation of safety file;
- Site establishment;
- Tank draining;
- Removal of all pipes and vales and opening of manholes;
  - the tank cleaning;
  - degassing;
  - internal grit blasting of tank floor and first strake;
  - external grid blasting of tank roof;
  - complete out of service inspection of tank floor and tank roof by a respected inspection authority;
  - floating blanket and blanket seal inspection;
  - affect repairs recommended by inspection authority;
  - install free issued non-return valves, steel gate valves, fire safe check valves on tank inlet and outlet;
  - Fabricate and fit nozzles and external sleeve for the high-level detection system.
  - Reroute thermal bypasses on tank inlet and outlet to the tank roof to terminate in the existing high level alarm stilling well.
  - Repair or replace staircases if recommended in inspection.
  - Grid blast external tank shell.
  - Paint tank floor and first strake, paint tank roof and external tank shell, spiral ladder, hand rails.

# TOTAL BULK FUEL STORAGE TANKS

Maintenance and Upgrades at Walvis Bay Depot

## PROJECT STATS

- Value** NAD 25.27 million  
USD 1.55 million (ROE 16.24)
- Location** Walvis Bay, Namibia
- Client** TOTAL South Africa (Pty) Ltd
- Start** 01/2012
- Finish** 01/2016



## SERVICES

- Project management
- Preliminary & detail design
- Tender documentation, process & evaluation
- Site supervision
- Contract administration
- HAZOP study

Project Management

Civil

Structural

Mechanical

Electrical