



International

Middle East

Client

Sultanate of Oman and
Sea-Land Services, Inc.

Location

Port Raysut, Oman

Container Trans-shipment Terminal

Project Highlights

- Four 300-meter berths, including 12 post-Panamax container cranes
- Detailed container yard engineering and design
- Ultimate capacity of 1.5 million twenty-foot equivalent units, with more than 1 million lifts per year
- Fast-track engineering bid package preparation, bid analysis, and award services

Project Description

Because of its strategic location on the main shipping route between Europe and Asia, Port Raysut was selected by Sea-Land for a state-of-the-art container trans-shipment terminal serving various ports on the Indian Sub-Continent, the West Coast of Africa, the Arabian Sea, and the Gulf. The grass roots terminal will have an ultimate capacity of 1.5 million twenty foot equivalent units (TEUs), with more than 1 million lifts per year.

The facility will consist of four 300 meter-long berths, 12 container cranes capable of unloading post-Panamax ships, 27 rubber-tired gantry cranes, 4 top loaders, and supporting tractors, chassis, maintenance building, administration building, fueling facilities, ships services (fuel, diesel, and water) and container wash station, all on approximately 40 hectares of land reclaimed from dredging the existing harbor to a water depth of 15 meters.

CH2M HILL was a subconsultant on the definition study for this project and performed detailed engineering and design for the container yard element of the terminal. The definition study involves gathering geophysical and environmental data, conducting physical model studies, determining the orientation and physical dimensions of the facility, defining the wharf structure configuration, planning the yard layout, and establishing the building locations and types.

Fast-track detailed engineering bid package preparation, bid analysis, and award services have also been performed under contract to the Ministry of Communications.