Congratulations to Red Sea for this significant achievement. This work was performed without any safety incidents, mostly exceeding the expectations set by the stretch time goals, despite deterring weather conditions caused by the rain.

R.A. Young Jr., Site Manager, Bechtel-Angola
About the client

Bechtel is among the most respected engineering, construction, and project management companies in the world. The 5.2-million-metric-ton-per-year Angola LNG processing plant is the onshore portion of a broad program to commercialize gas reserves for domestic use and export. The plant will help fuel industrial power generation and an expanding petrochemicals industry in the Congo River delta.

Project Snapshot

- **Project**: 6,500 Man Camp Bechtel-Angola LNG
- **Customer**: Bechtel-Angola
- **Industry**: Oil & Gas
- **Location**: Soyo, Angola
- **Completion Date**: Project completed April 2010
- **Contract Value**: USD 116.38 million
- **Products Utilized**: Sitemaster 25 Series
- **Project Units Implemented**:
  - Accommodation Units, Dining Area, Kitchen Unit, Recreation Units, Clinic, Security Centers / Guard House, Training/Orientation buildings, Power Generation & Distribution Plant, Water Treatment & Distribution Unit, Sewage Collection & Treatment System, Solid Waste facilities.
- **Services Offered**:
  - Engineering & Design, Transportation & Delivery, Site Installation, Power Generation, Communication Services, Water & Sewage Treatment

Key Challenges

- Stringent building code and regulatory compliances to be met
- Health and safety standards of Bechtel to be maintained
- Remote swampy location
- Product durability that can withstand extreme weather conditions
- Complex logistics
- Demanding construction milestones
The Need

Bechtel required to build a new cargo dock, roads, and a 6,500-person camp with its own power and water supply—all of which will remain as important legacy infrastructure to support industrial growth in the Soyo area. As contractor for the biggest single investment in this West African nation’s history, Bechtel encountered challenges expected in a remote location. Crucial infrastructure was lacking, and qualified vendors, subcontractors, and craft workers were in short supply.

Location map
The Project

Red Sea Housing Services (RSHS) were able to engineer, procure and construct (EPC) for the 6500 Man Camp for Bechtel International, Inc despite the complexity in logistics, limited timeframe, and trying weather conditions. RSHS built comfortable living quarters required for the Bechtel Angola LNG project, complete with kitchen and dining hall, recreation room with games tables and lounge chairs, ablution facilities, medical centres, and key utilities like water and sewage treatment and power generation plants to help them have smooth operations.

Accommodation units installed
Kitchen area assembled
The 1500 man diner gave the camp a large permanent facility
Camp en-suite with required utilities to support the 6500 man camp
Highlights of the project

- Maintaining Bechtel Zero Accident Philosophy.
- Despite very tight deadlines, construction milestones were attained on time.
- Robust build quality to endure tough environmental conditions.
- Heavy rain-proof, internal condensation-resistant camp.
- Aerial visibility in bad weather conditions.