



ALTAMIRA

WORLD CLASS FABRICATION FACILITY IN MEXICO

RECENT PROJECT EXPERIENCE

PB-LITORAL-A

CLIENT
PEMEX Exploración y Producción

FACILITIES
7,707 ST topsides, total weight 13,838 ST

SERVICES
Engineering, procurement, construction, transportation, installation, commissioning and startup

LOCATION
Tsimin-Xux field, Bay of Campeche, Mexico

WATER DEPTH
85 ft

AYATSIL-C

CLIENT
PEMEX Exploración y Producción

FACILITIES
7,500 ST jacket

SERVICES
Engineering, procurement, construction, installation and pre-commissioning

LOCATION
Ayatsil-Tekel field, Bay of Campeche, Mexico

WATER DEPTH
400 ft

ABKATUN-A2

CLIENT
PEMEX Exploración y Producción

FACILITIES
2,866 ST jacket; 16,535 ST deck

SERVICES
Engineering, procurement, construction, transportation, installation, commissioning and startup

LOCATION
Bay of Campeche, Mexico

WATER DEPTH
124 ft

ANGELIN

CLIENT
BP Trinidad & Tobago

FACILITIES
1,361 ST NUJ, 1,102 ST jacket

SERVICES
Pre-FEED, FEED, detailed engineering, procurement, construction, transportation, installation and commissioning

LOCATION
Trinidad and Tobago

WATER DEPTH
213 ft

MCDERMOTT

The Litoral field is expected to produce high-quality, light oil for export. McDermott carried out FEED for PEMEX with a competitive float-over solution to install the large 7,707-ton production deck. This will be the first float over by McDermott for PEMEX in Mexico.

Located in the Bay of Campeche, the Ayatsil field is the largest discovery for PEMEX to date. McDermott provided a vertically integrated solution with in-house engineering and procurement, fabrication at its Altamira yard, Intermac 600 transportation and launch barge and the heavy-lift Derrick Barge 50 to complete the installation of the jacket.

The Abkatun-A2 platform is McDermott's largest project in size and total value to-date for PEMEX. McDermott is providing a vertically integrated, turnkey EPCI solution to build and commission the platform and associated structures utilizing its project management and engineering team in Mexico.

McDermott was awarded an engineering, procurement, construction, installation and commissioning contract from BP Trinidad & Tobago following the successful completion of a multi-phase engineering contract. The six-slot wellhead platform and four-legged jacket were fabricated in Altamira and installed by the DLV 2000.



INVESTMENTS

2006 - 2007

- Signed contract with Altamira Port Authority
- Improved soil conditions to enhance bearing capacity for cranes
- Dredged channel to provide direct access from yard to Gulf of Mexico

2008 - 2009

- Constructed two skidways for jacket and deck loadout
- Installed 500 meters of bulkhead along dredged channel
- Completed main warehouse for consumables and project materials

2009 - 2011

- Installed underground utilities within erection areas
- Finished deck assembly building with overhead crane
- Completed electrical substations and yard power distribution

2011 - 2015

- Commissioned training facility
- Purchased heavy lift capacity crawler cranes
- Received license to operate as a free trade zone in Mexico
- Added pipe shop, plate shop, girder line, rotoblast facilities

2016-2017

- Upgraded skidway, doubling deck size capacity
- Added fully enclosed blasting and painting facilities
- Added non-destructive testing bunker at end of pipe shop
- Upgraded pipe shop equipment to handle large bore piping
- Purchased 15 hydraulic cranes, 7 manlifts and forklifts



YARD STATISTICS

Total Area 119 acres
Facilities 7.4 acres assembly building with 2 bays and 1 subassembly building

Covered Warehouse 73,800 ft² including climate controlled warehouse
Client Offices Dedicated client offices on site

EQUIPMENT

Crawler Cranes 15 with total capacity of 3,900 ST (60° lifting radius)
Hydraulic Cranes 17 with capacities ranging from 9 ST - 90 ST
Multiwheel Trailer 8 SPMT with total capacity of 1,764 ST
Additional Equipment Telescopic handlers, forklifts, manlifts

SKIDWAYS

North Skidway 108 ft/328 ft (front section); 52 ft/328 ft (back section)
Loadout Capability 38,500 ST (front section); 22,000 - 33,000 ST (back section)
South Skidway 52 ft/656 ft
Loadout Capability 22,000 - 33,000 ST

QUAYSIDE FOR LOADOUT

Total Length 1,640 ft reinforced
Soil Bearing Capacity Skidway area 63 ST/ft²; rest of the yard 22 ST/ft²
Max Allowable Deck Load 27,500 ST
Average Water Depth 39 ft
Main Channel Width 1,640 ft
Main Channel Depth 47 ft
Subchannel Width 1,200 ft

ADDITIONAL INFORMATION

Distance to Rail Less than 2 miles
Free Trade Zone Yes
Distance to Open Sea 3 miles



ALTAMIRA MEXICO

AERIAL VIEW

- Basin 1,640 ft
- Erection area
- Material laydown
- Blasting/painting enclosures
- Rotoblast shop
- Pile rack
- Brace rack
- Plate shop (CNC cutting machines)
- Girder shop
- Carbon steel pipe shop
- Deck assembly building bay #1
- Deck assembly building bay #2
- Subassembly shop
- Warehouse
- Climate controlled warehouse
- Office complex area
- Training center
- Parking lot

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