

KAVIN'S DESIGN FOR FIRST FPSO IN GULF OF MEXICO (USA)

Objective *To design and deliver Gas dehydration package within 12 weeks duration*

CASCADE AND CHINOOK FPSO

Design and Engineering of Process topsides –GAS DEHYDRATION /GLYCOL REGENERATION SYSTEM

Kavin Engineering And Services Pvt Ltd (KAVIN) successful works in the design, Installation and commissioning of FPSO process topsides gave an opportunity for Design& Engineering of gas dehydration system for Cascade and Chinook Field development. Project was awarded in the month of September 2007 for the agreed 12 weeks duration for completion of engineering design.

Gas Dehydration system for cascade and Chinook FPSO was designed in complete compliance with federal regulation and specification of Petrobras America.

Deliverable →

Process simulation
PFD/HMBT
P&IDS
Process calculation
Process Description
Commissioning procedures
Operation and Maintenance manual
Datasheets – Equipment & instrument
Equipment layout
Piping GA
Structural analysis and design

Customer Profile →

Petrobras America is engaged in oil exploration and production in the Gulf of Mexico. It also refines and markets oil and oil products and procures materials and equipment for its parent, PETRÓLEO BRASILEIRO (PETROBRAS). The parent company established Petrobras Internacional (Braspetro) in 1972 to handle oil and gas operations outside of Brazil.

The most significant aspect of Petrobras's Cascade and Chinook development in the Gulf of Mexico is the company's intent to deploy a Floating Production, Storage and Offloading (FPSO) facility to accept production from the two fields. Petrobras plans to fast track the development of both the FPSO and the fields.

Project outlay →

Cascade and Chinook are located in the Walker Ridge block, around 300km (180 miles) south of the Louisiana coast.

"Petrobras is the operator of both the Cascade and Chinook units."

Kavin engineering and services private limited was provided engineering for gas dehydration and glycol regeneration system and. Engineering support for gas compression package.

Project Details →

Gas Dehydration system Capacity: 20 MMscfd

Design Pressure: 797.7 psig

Outlet Gas Water Content :2 lb/MMscf

Duration: 12 weeks

Partners →

TOEPL, Singapore

