



Lightweight process packages

contribute to single topside lift,
leading to first oil faster.

The Delta House deepwater floating production system (FPS) supports three Gulf of Mexico, Mississippi Canyon fields with reservoirs from 12,000 to 18,500 feet. The FPS nameplate processing capacity of 80,000 BOPD, 200 MMSCFD of gas, and 40,000 BWPD required an extensive custom topsides design.

The combination of our expert engineers, experienced project management professionals, and on-site fabrication made us the number one choice to provide several topside packages for this project. Our in-house offering of all these services helped expedite the process, enabling us to meet operator timelines.

A single lift of the deck and topsides facility onto the hull was required to achieve LLOG's project schedule, so along with Audubon Engineering, we arrived at optimized designs that fit within the lifting requirements. Strategic use of vessel internals and ASME Division II fabrication procedures resulted in smaller, more efficient, and lightweight packages without compromising capacity or flexibility to receive fluids from several different fields.

Our 40 plus years of experience in process technologies helped us deliver innovative solutions while maintaining an uncompromising focus on quality.

Project details

Operator

LLOG Exploration

Location

Delta House deepwater FPS, Gulf of Mexico

Solutions provided

- Condensate Stabilization Package
- Glycol Dehydration Package
- Degasser
- Test Separator
- HP Separator
- LP Separators (3)
- Electrostatic Oil Treaters (2)
- Complete engineering, project management, and fabrication of all packages
- High efficiency internals