

PROJECT PROFILE

KING'S QUAY FPS



Client: **Murphy Oil Corporation** | Location: **Gulf of Mexico, Green Canyon 433**

Murphy Oil Corporation contracted [Audubon](#) to provide [detailed engineering and design](#), [procurement](#), and construction support services for [King's Quay floating production system](#) (FPS). The FPS produces up to 80,000 barrels of oil and 100 million cubic feet of gas per day. The project included engineering and design of all FPS topsides with complete oil, water, and gas processing trains. The project also included topsides interface and hull design, lifesaving equipment, marine and utility systems, power generation, accommodations, crane foundations, and other appurtenances. We also conducted HSE studies and provided [automation](#) and systems integration services. Audubon coordinated with the fabricator and construction team in Ulsan, South Korea, to ensure the design interface was successfully executed and the project stayed on schedule and within budget.

Project Overview

- Performed design of complete topsides for King's Quay FPS
- Design Rates: 80,000 BOPD, 100MMSCFD Gas, 20,000 BWPD
- Water Depth: 3,700 ft.
- 62 POB
- All production from subsea wells. Initially three (3) well centers with capability to add future tie backs.
- Designed to accommodate future subsea pumping

Scope Of Work

- Multidiscipline detail engineering design
- Detailed 3D modeling
- Hull & subsea Interface
- Schedule coordination
- Procurement support for topsides equipment
- Regulatory interface & compliance
- Topsides weight control
- Process safety analysis
- Automation & integration of topsides equipment

