



**FloaTEC Work Experience
and Project Resume**

Client	Work Description	Start Date	Completion Date	Manhours
Chevron	Concept Study for a deepwater field offshore Indonesia. Scope of study was to develop a spar type floater with 24 dry tree production risers using a tender assist drilling unit coupled to the spar.	Sep 2005	Dec 2005	950
Shell	Front End Engineering Design (FEED) for a Spar in the Gulf of Mexico (GOM). Scope of study was to develop a fit-for-purpose design, detailed cost estimates and schedule, and execution plan for the supply of a Spar hull and mooring system, as well as design and analysis of the riser systems and associated umbilicals. Objective was to allow the client to evaluate and select a specific Spar concept for follow-on detailed design and execution through delivery.	Nov 2005	May 2006	24,150
Shell	Conceptual Engineering Study for a Brazilian deepwater field development. Scope of work encompassed technical feasibility and analysis of all deepwater floating hull solutions utilizing dry trees, i.e. TLP, Spar and Semi.	Feb 2006	May 2006	2,380
Providence Resources	Technical Feasibility Study for a deepwater field offshore Ireland. The study included full cost estimating for a TLP and a high level project execution plan and schedule.	Apr 2006	Jun 2006	350
BP	Conceptual Engineering Study for a High Pressure High Temperature field located in Gulf of Mexico. Scope of work covered the design and analysis of a dry CenterWell Spar concept.	June 2006	Oct 2006	1,430
Murphy Oil	ETLP Conceptual Design. Perform conceptual design for an ETLP WHP for a field development offshore Congo. Offered LSTK proposal with FPSO partner.	Jul 2006	Sep 2006	1,650
Murphy Oil	Mooring Study for a Spar platform in the GOM. Scope was to model the existing mooring system and make recommendations about how to correct the tension readings.	Aug 2006	Sep 2006	250
Dominion	Spar Global Motions Analysis. Perform global motions analysis for a GOM Spar. Confirmed details of the deck to hull connection. Current and projected lightship and payload data was assembled and appropriate loading conditions determined. New motions model were generated and used to generate acceleration data as input to the structural analysis. Fatigue analysis was carried out to determine the expected fatigue life of the critical connection in order to justify an extension of the rig time on board the unit.	Sep 2006	Dec 2006	1,230



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Williams Midstream	Spar Global Motions Analysis. Analyze a GOM spar hull to assess increasing the total approved topside payload, extend the time the rig has been approved to be on the platform, and design some new in-hull, flowline piping and an adapter which allows two SCRs to hang from one porch. Work involves notable analysis and design work to prepare the technical documentation for submission to ABS.	Oct 2006	Dec 2006	1,430
Chevron	Spar Air Can Study. Finite element and fatigue analysis of air cans for a GOM Spar. Performed inner support ring failure behavior analysis and air can fatigue damage analysis.	Nov 2006	May 2007	1,080
Keppel DTG	DeepDraft Semi (DDS) Sizing & Analysis. Sized two semi hull forms representing a large and a small version of the DeepDraft Semi and demonstrated applicability to support SCR's.	Dec 2006	Mar 2007	1,180
Nexen	Conceptual Engineering Study. Evaluate technical and commercial feasibility of a full range of wet and dry tree solutions for a deepwater prospect in the GOM. Develop cost, schedule and risk assessments for Spar, Semi and TLP based solutions.	Jan 2007	Jun 2007	4,800
FloaTEC	Spar Numerical Simulation of Iceberg Collision. Engaged Oceanic Consulting Corporation in evaluating Spar in ice conditions.	Feb 2007	Mar 2007	250
ExxonMobil	ETLP Design and Analysis. Conceptually design "mini" ETLP wellhead platform supported by tender rig for Angola.	Mar 2007	Jul 2007	4,050
Marathon	Conceptual Engineering Study. Evaluate wet and dry tree solutions for a deepwater prospect in the Gulf of Mexico.	Jun 2007	Aug 2007	750
Noble Energy	Conceptual Engineering Study. Evaluate wet and dry tree solutions for a deepwater prospect in the Gulf of Mexico.	Jun 2007	Julv 2007	250
Chevron	Conceptual Engineering Study. Evaluate technical and commercial feasibility of a full range of wet and dry tree solutions for a deepwater prospect in the GOM. Develop cost, schedule and risk assessments for Spar, Semi, TLP, FPSO and subsea-based solutions.	Jun 2007	Nov 2007	6,290



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J Ray McDermott	Development of Dry Tree Semi Concept. Evaluate dry tree drilling and production semi concepts for use in ultra-deepwater.	Jul 2007	May 2008	8,000
Blue Ocean Venture	Design Development of GOM ETLP. FEED for a full Production, Drilling, Quarters ETLP for GOM field development, designed to post-Katrina environmental conditions.	Aug 2007	May 2008	57,014
Williams Midstream	Spar Hull Design Assessment. Evaluate hull design and provide sizing and configuration of a Truss Spar hull and mooring system. Assess Structural Integrity, Marine Systems, Export Riser J-tube Pull-in, Hard Tank/Soft Tank Design, Structural Deck Post Concept Design.	Aug 2007	Oct 2007	1,425
TOTAL	Spar Conceptual Study. Analyze a Spar at a conceptual level for a field development in the Barents Sea in 300m water depth. The Spar is designed to carry process equipment to allow for gas/liquid separation, gas dehydration and compression, condensate dehydration and pumping and associated utilities. The conceptual study focus is on the floater, its mooring and riser system.	Dec 2007	Apr 2008	4,900
Petrobras	Pre-FEED of TLWP. Pre-FEED design for a TLWP in 1,200m water depth offshore Brazil to support development of an EPCI proposal.	Feb 2008	Oct 2008	10,000
TOTAL	Semi Conceptual Study. Conceptual study for a floating process, utilities and quarters deepwater hub facility in 600m water depth West of Shetland. Establish trade-offs between cost, schedule, technology maturity, structural integrity, health and safety including operator comfort, constructability, riser type and other pertinent factors, for varying degrees of semi-submersible design and their ability to mitigate heave and surge.	Mar 2008	May 2008	1,360
Murphy Oil	Spar Analysis. Perform MMS prescribed assessments of both the Medusa and Front Runner spar platforms, including Design Level Check, Survival Check, and Robustness Check.	Mar 2008	Jun 2008	5,830



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Petrobras	Spar Conceptual and Feasibility Study. Conceptual design of wet tree and dry tree Spars with varying riser counts and payloads in 2,200 m and 2,600 m offshore Brazil, including storage Spar.	May 2008	Ongoing	5,365
Chevron	Pre-FEED of ETLP. Pre-FEED of a TLP for a Gulf of Mexico field development in 1,615m water depth. Pre-FEED work included both wet and dry tree options and considered a range of payload options.	May 2008	Ongoing	5,200
Chevron	Conceptual Design of a Semi FPS. Conceptual design of a Semi-submersible FPS platform including development of execution plan, cost and schedule for a field development in 1,300m water depth offshore North Western Australia.	July 2008	Nov 2008	1,537
Anadarko	Pre-FEED for Spar. Pre-FEED for a Spar hull in 1,250m water depth for a Gulf of Mexico field development. Scope of Work included EPCI execution plan, cost and schedule for hull, mooring and design of risers	July 2008	Nov 2008	6,020
Total	Spar Assessment. Carried out additional ice model tests for a Spar for the Barents Sea.	Jul 2008	Sept 2008	750