

Floating Units

Year	Country	Field of activity	Description of activity
Since 2021	Angola	FPSO	Marine lead – B20/21 - TOTALEnergies
2023	Brazil	FSRU	Mooring feasibility and risers configuration in shallow water – EXMAR
2022	Congo	FLNG	Basic design for personnel transfer equipment – Tango ENI - EXMAR
2020 - 2022	Angola	FPSO	Mooring line repair - Kaombo – TOTALEnergies
2019	Angola	FPSO	FPSO mooring lines replacement study – Girassol – TOTALEnergies
2019	Congo	FPU	NKP FPU demobilization study – Nkossa – TOTALEnergies / EXMAR
2019	Argentina	FLNG	TFLNG mooring optimization – Argentina - EXMAR
2018 - 2022	Various	FPSO	Life extension and decommissioning studies – Various – TOTALEnergies
2018-2019	Angola	FPSO	Turret hook-up activities coordination – Kaombo – Total E&P
2014-2019	Angola	FPSO	Marine operations lead – Kaombo – Total E&P
2014-2019	Angola	FPSO	Mooring engineering, fabrication and installation follow-up – Kaombo – Total E&P
2013-2018	Nigeria	FPSO	Mooring engineering, fabrication and installation follow-up – Egina – Total E&P
2018	Ivory Coast	FPSO	Due diligence – Bao Bab – Maurel & Prom
2017	Nigeria	FSO	Permanent fuel transfer system installation follow-up– Unity – Total E&P
2016	various	FLNG	Mooring concept – Exmar
2015	Nigeria	FSO	Supervision of hoses installation – Unity – Trelleborg
2014	Angola	FPSO	Supervision of hoses installation – CLOV – Trelleborg
2013-2015	Congo	TLP/FPU	Mooring engineer, Marine system engineering, fabrication supervision – Moho North – TOTAL E&P
2013	Korea	FPSO	Installation of OLT– Usan – Trelleborg
2012	Norway	FPSO	Installation of flexible lines on FPSO – Asgard C – Trelleborg
2011	Lithuania	FSRU	FSRU FEED – Exmar
2010-2014	France / Australia	FLNG	Mooring engineer – Prélude – Technip
2010	Cameroon	FSO	Basic engineering of conversion of Suezmax tanker into a FSO – Total
2009-2011	Russia	FSU	Interfaces management of FSU – Shtokman – Shtokman development
2008	Nigeria	FPSO	Management of towing – Akpo – Tupni
2008-2013	Angola	FPSO	Mooring engineering, fabrication and installation follow-up – CLOV – Total
2008-2010	Angola	FPSO	Hull engineering follow-up – CLOV – Total

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2008-2011	Nigeria	FPSO	Interfaces management – Usan – Elf Petroleum Nigeria
2007-2011	Angola	FSO	Management of afloat overhaul – Palanca – Friedlander Sonangol
2005-2010	Nigeria	FPSO	Marine operations management – Akpo – Total
2005-2006	Angola	FPSO	Mooring engineer – Akpo – Saipem
2005-2006	Angola	FPSO	Installation management – Dalia – Total Angola
2005	France	FPSO	Conceptual study of a generic FPSO hull – Total
2005-2008	Congo	FSU	Interfaces management – Moho Bilondo – Total Congo
2005-2006	Nigeria	FPSO	Naval architect – Akpo – Total Nigeria
2005-2006	Angola	FPSO	Marine commissioning – Dalia – Exmar
2005-2006	Angola	FPSO	Towing management – Dalia – Total
2005	Congo	SPM	Overhaul of LPG FSO turret – NKS2 – Total Congo
2005	West Africa	FPU	Pre-sizing the midship section – Total
2004	Angola	FSO	Procedure for hose line installation (tandem configuration) – Palanca – Stapem Offshore
2004	Angola	FPSO	Marine operations – Kizomba A – Stapem Offshore
2004	Angola	FSO	Marine audit – Palanca – Stapem Offshore
2003-2005	Angola	FPSO	Construction coordination – Dalia – Total Fina Elf
2003	Angola	FPSO	Naval architect – Rosa-Lirio – TFE
2003	Nigeria	FPSO	Assistance to project – Akpo – Doris Engineering
2003	Nigeria	FPSO	Scenarii for installation – Usan – Total
2002	Libya	FSO	Commissioning – Farwah – Exmar
2002	Nigeria	FSO	Afloat repairs of cargo tanks on FSO in operation – Domy XV – Total Fina Elf
2002-2008	Congo	FSU	Installation manager of the spread moored FSU – Moho-Bilondo – TFE
2001-2003	Libya	FSO	Construction and hook-up supervision of FSO – Farwah - EXMAR
2001-2002	Libya	FSO	Engineering of FSO and its mooring system - Farwah – Exmar
2001-2002	Thailand	FSO	Hull design & construction management for a new built FSO in China – PTT e&p
2001	Thailand	FSO	Dry docking & overhaul – Bongkot – PTT e&p
2001	Brazil	FPSO	Mooring conceptual study – Estrella Coral – Exmar

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2001-2003	Nigeria	FSO	Engineering coordination – Amenam – Elf Petroleum Nigeria
2000	Angola	FPSO	Technical specifications for a generic FPSO – Doris Engineering
2000	Thailand	FSO	Project management for a temporary FPSO – Bongkot – PTT e&p
2000	Thailand	FSO	Structural repairs within tanks and in operation – Bongkot – PTT e&p
2000	Tunisia	FPSO	Development scheme of field – Isis – Coparex
1999	Tunisia	FSO	Technical study for the disconnection of FSO – Tazerka – Smip
1998	Thailand	FPSO	Study of the Phase 4 of the field development, harbour simulation – Bongkot – Total
1998	Angola	FPSO	Technical specification for the call for tender, regarding the marine operations – Girassol – Elf Angola
1998	Tunisia	FPSO	Project management – Isis – Coparex
1998	Thailand	FSO	Wash bulkhead cracks in aft ballast – Bongkot – PTT e&p
1997-1998	Tunisia	FSO	Technical assistance for offshore maintenance work: - Cost saving structural repair for renewal of class, - Repair of cathodic protection on the SALM – Tazerka – Smip
1997-1998	Argentina	FSO	Technical assistance for the call for tender of the long term test, offshore Tierra del Fuego: - Revision of the call for tender, - Issue of CFT, - Clarifications, - Analysis of tenders, - Recommendations, - Temporary closing of the project – Carina – Total
1997-1998	Angola	FPSO	Expertise of marine operations – Girassol – Elf
1997-1998	Congo	FPSO	Definition of the field architecture, technical specifications for the scope of work for an Early Production System: - Call for tender, - Harbour simulation, - Mooring calculations – Moho – Elf Congo
1997	Argentina	FPSO	Technical specifications for the Long Term Test call for tender offshore Tierra del Fuego, including : A jack-up provided by TOTAL, Global services for process and marine facilities – Carina field – Total
1997	Thailand	FSO	Analysis of installation procedures of an underwater hose – Bongkot – PTT e&p
1997	Angola	FPSO	Functional requirement specifications – Girassol – Elf e&p
1997	Angola	FPSO	Assistance for: - The writing of a tender document for the SPM part of the project; - Technical assistance for the FPSO part of the project – Girassol – Elf
1997	Angola	FPSO	Technical assistance (technical specifications, call for tender, tenders analysis, negotiations...) – Girassol – Elf
1997	Thailand	FSO	Study of the modifications of the risers system (installation of ball valves and riser with buoyancy tank, cathodic protection calculation) – Bongkot – PTT e&p

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1997	Tunisia	FPSO	Marine survey – Didon – Crédit Agricole Indosuez
1997	Angola	FPSO	Study of mooring operations – Girassol – Elf
1996-1998	Argentina	FPSO	Feasibility of a long term test offshore Tierra del Fuego: - Technical and economical assessment of various mooring systems - Comparison of TCMS, USALS, CALM and DP - Recommendation on the contractual strategy for the EWT – Carina – Total
1995	Gabon	FPSO	Study of the operation – Mayumba field – Fish
1995	Thailand	FSO	Updating of the mooring study of 70.000 to 90.000 DWT tankers – Bongkot – PTT e&p
1995	Gabon	FPSO	Technical prospects – Mayumba Field – Cnn
1994 - 1996	Congo	FPS	Technical assistance for the definition of the barge mooring system – NKP – Elf
1994	Thailand	FSO	Study of modifications to the existing FSO offloading system. Tandem offloading : - Future installation of a 10" floating hose line to offload condensate to 1,000 to 45,000 DWT tankers Alongside Offloading: - Future installation of berthing and offloading equipment to accommodate 1,000 to 2,500 DWT export tankers alongside - Preparation of cost estimate for both alternates – Bongkot – PTT e&p