



FPSO/FSO Track Record

Vessel name	Contractor	Field	Water Depth	Operator	Entered services	Scope
BW Nisa	BW Offshore	Papa Terra, Brazil	1000 m	Petrobras	Planned to 2013	FPSO conversion of ULCC. Responsible for major part of the hull and topside structural engineering, technical documentation and drawings for class approval.
FSU Newbuild	Samsung	Persian Gulf	45 m	IOOC	Planned to 2012	PMC for FSU newbuild project for the Persian Gulf
Dalian Developer	COSCO	World wide	10000 feet	Dalian Deepwater Development	Planned to 2012	Newbuild FPDSO: Design and engineering of drilling and production floater for harsh environment.
BW Carmen	BW Offshore	Athena, NCS	100 m	Ithaca Energy	Planned to 2011	FPSO conversion. Hull extension and topside structural engineering including structural integration of turret, longitudinal strength calculations and technical documentation for harsh North Sea environment
--	Lundin Petroleum	Luno, NCS	108 m	Lundin Petroleum	2010	FPSO concept Study, including evaluation of new build versus conversion
BW Pioneer	BW Offshore	Cascade Chinook, GoM	2600 m	Petrobras America	2010	FPSO conversion of Aframax. Responsible for hull and topside structural engineering, technical documentation and drawings for class approval. Structural integration of turret, longitudinal strength calculations, structural design and verification of topside module skids and supports, flare tower etc
Cidade de São Vicente	BW Offshore	Tupi Field, Brazil	2500 m	Petrobras	2009	FPSO conversion of Suezmax for benign waters, responsibility for hydrodynamics, stability, strength and marine systems, among other aspects.
Knock Allan	Fred Olsen Production	Olowi Gabon, West Africa	50 m	Canadian Natural Resources	2008	FPSO conversion of Suezmax. Technical documentation and drawings for class approval. This includes stability and loading conditions, hydrodynamic analysis in transit and operation, documentation for hull life extension, deck structure interface with hull, process module foundations etc
Dhirubhai 1	Aker Floating Production	Bengal, India	1100-1400 m	Reliance Industries Ltd. India	2008	FPSO conversion of Aframax. Responsible for hull engineering, technical documentation and drawings, including structural integration of turret, longitudinal strength calculations and spectral fatigue assessment of midship area
Yuum K'ak' Naab	BW Offshore	Ku-Ma-Za field GoM	90 m	Pemex, Mexico	2007	FPSO conversion of ULCC. Responsible engineering partner for hull and topside integration, including weight and stability evaluation, fatigue assessments, structural interface with turret, topside modules and skids etc.
Deep-Producer1	FPSOcean	Deep waters	150-2000 m	--	--	FPSO conversion of Panamax. Responsible naval architect for hull and topside structural engineering, technical documentation and drawings for class approval during conversion from tanker to FPSO
Knock Adoon	Fred Olsen Production	West of Africa	40 m	Addax Petroleum, Nigeria	2006	FPSO conversion of Suezmax. Technical documentation and drawings for class approval, including stability and loading conditions, hydrodynamic analysis in transit and operation, hull life extension, deck structure interface etc.
Chingueti	BW Offshore	West Africa	1300 m	Woodside Mauritania	2006	FPSO conversion of VLCC. Responsible for engineering support, technical documentation and drawings, including weight and stability evaluation, fatigue assessment of midship area, structural design and verification of topside modules support and skids etc.



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Knock Nevis	Fred Olsen Production	Al Shaheen Qatar	--	Maersk	2003	FPSO conversion of ULCC– the worlds largest ship ever
Sendje Berge	BW Offshore	Nigeria	140 m	Addax, Nigeria	2005	FPSO conversion of VLCC. Technical documentation and drawings for class approval.
Sende Ceiba	BW Offshore	Equat. Guinea	700 m	Triton	2004	FPSO conversion of VLCC.
Wenchang	APL	Wenchang China	120 m	CNOOC	2002	FPSO conversion. Structural integration of turret.
Ugland Nordic Apollo	Nordic Apollo	NCS	--	Ugland Nordic	2000	STL tanker conversion. Structural intergration of turret.
Balder FPSO	ExxonMobil	Balder NCS	125 m	ExxonMobil	1999	FPSO mooring design and analysis
FPSO Hitra	--	Masa Field	75 m	M3energy	1998	FPSO conversion of Panamax
Petrojarl IV	Golar Nor	Foinaven UKCS	450 m	BP	1997	FPSO conversion. Hull extension and transfer loading structure