

CLIENT	PROJECT	COUNTRY	CLASS SOCIETY	WATERDEPTH	DESCRIPTION OF PROJECT	TYPE	YEAR
Seagull Group / BWO	FSRU	Singapore	DNV	NA	<ol style="list-style-type: none"> Design and engineer of pump support system for LNG tanks Integration of support with existing tanks 		2021
James Fischer / Kris Energy	Apsara Field	Cambodia	ABS	80 m	<ol style="list-style-type: none"> Design of riser and power cable hang-off balcony at the platform. 		2020
LNG EASY	MFP	Myanmar	ABS	10 m	<ol style="list-style-type: none"> Deck reinforcements Design of 200 Mton Bollards 		2020
NOC	FSO & CALM Buoy	Qatar	ABS	70 m	<ol style="list-style-type: none"> Structural design and engineering for reinforcements on vessel Naval Architecture for conversion 		2019
UTS / CORTEZ	Offshore Installation	Singapore	DNV	500 m	<ol style="list-style-type: none"> Structural design and engineering of requirements and changes for the VLS system to be loaded on board the installation vessel, for the SURF installation of flowlines and risers Integration of new system with existing systems 		2020
NOC	FSO & CALM Buoy	Qatar	ABS	70 m	<ol style="list-style-type: none"> Thruster and their requirements and analysis Structural reinforcements on vessel Naval Architecture for conversion 		2019
Blueseas Energy / EA Technique	TST SEPAT - C	Malaysia	LR	53 m	<ol style="list-style-type: none"> Design of subsea components Fabrication of components 		2019
LNG-EASY	FSRU-Barge	Singapore / Indonesia	ABS	25 m	<ol style="list-style-type: none"> FEED for the development of a Regassification LNG Barge to be moored and to receive offloading LNG vessels, and transfer gas to power plants on-shore. Naval Architecture, Motion analysis, stability checks. Structural design of the barge. 		2018-2019

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HESS Exploration & Production	Temporary Storage Tanker	Malaysia	ABS	56 m	<ol style="list-style-type: none"> Design of subsea support bases and gravity systems. Upgrading of 6-point mooring system to 8-point mooring system to increase the operability. Structural modifications to install 2 chain stoppers and 1 QRH at the stern of the TST. EPIC of the Offshore installation of the tanker, mooring system and SURF. 		2017-2018
Compass Energy	Stability analysis – LNG vessel	Singapore	LR	-	<ol style="list-style-type: none"> Stability analysis for the LNG Fortune Stability analysis for the LNG Lucky 		2017
Amaniaga	Offshore Installation	Malaysia	ABS	70 m	<ol style="list-style-type: none"> Design of installation aids Structural FEA analysis and incorporation into vessel Full design drawings 		2017
ECA (France)	Subsea Design	Malaysia	BV	20 m	<ol style="list-style-type: none"> Design and engineering of subsea support system, templates, frames etc. Installation engineering and design of subsea templates. 		2017
Anglo Eastern Shipmanagement	Gas Concord	Singapore	BV	120 m	<ol style="list-style-type: none"> Decommissioning Support to Client at shipyard of an LPG Carrier. Perform stability review of the vessel. Perform lightship measurement and calculations. Obtain stability sail away approval from BV. 		2017
Woodside / Sapura Kencana	Balnaves RTM	Australia	LR	140 m	<ol style="list-style-type: none"> Structural review of the system during offshore de-commissioning. 		2016
Exon Mobile / Amaniaga	Mooring system Installation	PNG	ABS	15 m	<ol style="list-style-type: none"> Sea-fastening of all equipment. 		2016

Offshore Installation

Detailed Design & Engineering / FEED

Environmental / Offshore renewables

Expert Witness - MWS and 3rd Party Independent Review

Decommissioning

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Exon Mobile / Amaniaga	Mooring system decommissioning	PNG	ABS	15 m	1. Sea-fastening of all equipment.		2016
ECA (France)	Jacket	Malaysia	API	20 m	FEED for Jacket: 1. Design and Engineering of Jacket 2. Structural design and Jacket in place stress analysis 3. Geotechnical design for jacket stability and strength		2016
UAE Company	FPSO	UAE	DNV	80 m	EPIC for the following: 1. Detailed design of under deck strengthening for all non-process related topsides and marine equipment 2. Design of riser & Umbilical porches, floating hose porches 3. General Naval Architecture 4. Marine systems engineering and design		2015-2016
ING – Bank	FPSO OSX-2 Decommissioning and lay-up	Indonesia	ABS	15 m	1. Structural strength analysis of the FPSO and jetty bollards.		2015
BC Petroleum	EPV Balai Mutiara	Malaysia	ABS	70 m	1. Design and engineering of vessel structural modifications requirements for mooring, risers, and the offshore installation. 2. Specifications for mooring systems, components, vessel equipment, offloading hoses, winches and dependant structures and equipment.		2014 - 2015

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COBALT	Cameia	West Africa	ABS	2800 m	<ol style="list-style-type: none"> Design and engineering of vessel structural modifications requirements for mooring, risers, and the offshore installation. Specifications for mooring systems, components, vessel equipment and dependant structures and equipment. 		2014
NAE – Bumi Armada	ETAN FPSO	Nigeria	ABS	1800 m	<ol style="list-style-type: none"> Design and engineering of vessel structural modifications requirements for mooring, risers, and the offshore installation. Specifications for mooring systems, components, vessel equipment and dependant structures and equipment. 		2014
PETROBRAS – Bumi Armada	LIBRA FPSO	Brazil	ABS	2400 m	<ol style="list-style-type: none"> Design and engineering of vessel structural modifications requirements for mooring, risers, and the offshore installation. Specifications for mooring systems, components, vessel equipment and dependant structures and equipment. 		2014
ENI – Bumi Armada	OCTP FPSO	Ghana	ABS	900 m	<ol style="list-style-type: none"> Design and engineering of vessel structural modifications requirements for mooring, risers, and the offshore installation. Specifications for mooring systems, components, vessel equipment and dependant structures and equipment. 		2013 - 2014
Tullow	KUDU FPU	Namibia	DNV	160 m	<ol style="list-style-type: none"> Design and engineering of vessel structural modifications requirements for mooring, risers, and the offshore installation. Specifications for mooring systems, components, vessel equipment and dependant structures and equipment. 		2013

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Bumi Armada Navigation	UDANG Installation	Indonesia	ABS	150	Offshore installation engineering and provision of support personnel for the offshore phases: <ol style="list-style-type: none"> 1. Mooring system installation. 2. FPSO hook-up. 3. Riser installation. 4. Installation commissioning. 5. Offshore management and engineering support by DEEPBLUE personnel 		2012
SSP Offshore	SSP Floater & SCR's	USA	API	500 m	Hydrodynamic and riser study: <ol style="list-style-type: none"> 1. Hydrodynamic analysis of SPAR & Floater 2. SCR analysis for SPAR & Floater 		2012
BMT Asia Pacific	LNG Terminal	PNG	ABS	50 m	SURF and CALM buoy: <ol style="list-style-type: none"> 1. Hydrodynamic analysis of CALM buoy & riser. 2. Preliminary analysis of CALM system with risers and moorings and vessel. 		2012
BWO	Brazilian FSO	Brazil	DNV	800 m	FEED for mooring, SURF, vessels, installation: <ol style="list-style-type: none"> 1. PLEM design & geo-tech analysis 		2011
ONGC	D-1 FPSO	India	ABS	150 m	Overall technical manager on behalf of ONGC for: <ol style="list-style-type: none"> 1. Naval architecture, hull, vessel, structural systems. 2. All marines systems on board the FPSO, marine engineering. 		2011 - 2012
KCA DEUTAG	Tender Barge	Singapore	BV	~	Naval architecture study for: <ol style="list-style-type: none"> 1. Hydrodynamic analysis and stability engineering. 2. Crane upgrade & structural engineering. 3. Naval architecture. 		2011 - 2012
ONGC-DPS	D-1 FPSO	India	ABS	150 m	FEED study for: <ol style="list-style-type: none"> 1. Mooring systems, riser systems, subsea components, offshore installation. 2. FSO structural, marine and naval architectural requirements. 3. Preparation of technical specification and RFQs for the above in order to issue for BID to EPIC Contractor. 		2010

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Chevron – EDG	FSO Vietnam Block B Gas Project FEED Study	Vietnam	ABS	150 m	Detailed design and FEED study for: <ol style="list-style-type: none"> 1. FSO structural, marine and naval architectural requirements. 2. All marine systems, IG, cargo, ballast, HVAC, LQ, ER, electrical, mechanical etc. 3. Preparation of technical specification and RFQs for the above in order to issue for BID to EPIC Contractor. 		2010
ONGC – DPS	D-1 FPSO FEED Study	India	ABS	150 m	Conceptual design and FEED for: <ol style="list-style-type: none"> 1. FSO structural, marine and naval architectural requirements. 2. Preliminary installation method statements. 3. Preparation of Technical Specification and RFQs for the above in order to issue for BID to EPIC Contractor. 		2010
Petrofac – DPS	FPSO FEED Study Cendor II	Malaysia	ABS	80 m	FEED study for: <ol style="list-style-type: none"> 1. FSO structural, marine and Naval Architectural requirements 2. All Marine systems, IG, Cargo, ballast, HVAC, LQ, ER, Electrical, mechanical etc. 3. Preparation of Technical Specification and RFQs for the above in order to issue for BID to EPIC Contractor. 		2009 – 2010
Hallin Marine	SPEX – Malaysia	Philippines	DNV	500 m	Naval architectural support to the implementation of a hydraulic gangway on DP-2 vessel for offshore operations.		2009