

PROJECTS TRACK RECORD OFFSHORE INSTALLATION

CLIENT	PROJECT	COUNTRY	CLASS SOCIETY	WATERDEPTH	DESCRIPTION OF PROJECT	TYPE	YEAR
James Fischer / Kris Energy	Apsara Field	Cambodia	ABS	80 m	<ol style="list-style-type: none"> Supply of Offshore construction Manager and project engineer for offshore installation Design of riser and power cable hang-off balcony at the platform. Offshore installation of risers and Power cable 		2020
LNG EASY	MFP	Myanmar	ABS	10 m	<ol style="list-style-type: none"> Mooring & SURF Installation, hook-up, and commissioning engineering of an LNG Floating platform for the connection with an LNG Tanker as FSU Installation and commissioning Management of the Marine Floating platform MFP 		2020
SOA / Hyundai (HOB)	CALM Buoy	Korea	ABS	34 m	<ol style="list-style-type: none"> Chain tensioning system engineering, analysis, procedures and drawings Offshore installation analysis and procedures Structural modifications design & engineering 		2020
Amaniaga	CALM Buoy	Malaysia	ABS	30 m	<ol style="list-style-type: none"> Detailed Mooring Analysis, including Fatigue for CALM Buoy Review of requirements for upgrade of buoy. Procedures for installation 		2019
Amaniaga	CALM Buoy	Malaysia	ABS	30 m	<ol style="list-style-type: none"> Inspection of CALM Buoy prior to removal Engineering, stability, and dynamic analysis for Calm Buoy removal and Tow out. Decommissioning procedures Support personnel for the preparation of the Tow out Tow-out and delivery to quay side. 		2019
MOPU HOLDINGS	Temporary Storage Tanker	Malaysia	ABS	60 m	<ol style="list-style-type: none"> Reinstatement of Mooring System Complete analysis design checks and reviews for the mooring system Complete Installation procedures and on-going review 		2019
HESS Exploration & Production	FSO	Malaysia	ABS	56 m	<ol style="list-style-type: none"> DEEPBLUE was appointed as the overall Technical and Managerial consultant for the engineering of the offshore installation. 		2018

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					<ol style="list-style-type: none"> Multiple DB personnel were appointed as the overall HESS Transport & Installation Management, in order to manage the different subcontractors from a technical and managerial point of view on-shore and during the offshore campaign for the FSO, mooring and SURF Installation. Including flowline lay, mooring installation and hook-up, SAT diving etc. 		
HESS Exploration & Production	Temporary Storage Tanker	Malaysia	ABS	56 m	<ol style="list-style-type: none"> Complete EPIC contract of the Temporary Storage Tanker. Design of the mooring system for a Temporary Storage Tanker (TST) for condensate storage. Design of the subsea flowline, riser and hose system for condensate transfer from Central Processing Platform (CPP) to the TST. 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. Installation engineering for the tanker, mooring and SURF. Provision of all personnel for installation, management, Flowline installation management EPIC of the Offshore installation of the tanker, mooring system and SURF. Offshore TST changeout of 6-point moored tanker with a new 8-point moored tanker. Design engineering and offshore procedures for offloading of condensate. 		2017-2018
JMUS	Floating Dock Installation	India	LR	25 m	<ol style="list-style-type: none"> Installation engineering and procedures for mooring installation and hook up. Offshore installation of the mooring system. Offshore Personnel support during the installation. 		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. Procedures for Offshore installation of subsea templates. Offshore management and engineering support by DEEPBLUE personnel. 		2017
UAE Company	FPSO	UAE	DNV	80 m	<ol style="list-style-type: none"> Engineering and design of Offshore anchor installation for Client Engineering personnel present Offshore during anchor installation 		2016-2017

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Woodside / Sapura Kencana	Balnaves RTM	Australia	LR	140 m	<p>Decommissioning Engineering. Detailed analysis and procedures for the removal and disconnecting of the Riser Tower Mooring system and its components:</p> <ol style="list-style-type: none"> Detailed analysis and engineering of mooring system removal. Detailed analysis and engineering of riser system removal. Detailed analysis and engineering of Tower lowering from vertical to horizontal position. Tow analysis and procedures of the RTM Structural review of the system during offshore de-commissioning. Analysis and simulation of ballasting and de-ballasting sequence off-shore. Offshore support engineering personnel. 		2016
Coastal Energy	Banang Field	Malaysia	ABS	70 m	<ol style="list-style-type: none"> Engineering & Detailed design of a temporary mooring system for the tanker. Detailed installation procedures, analysis and drawings. MWS approval Offshore Installation management and engineering execution by DEEPBLUE personnel 		2016
Coastal Energy	Kappal Field	Malaysia	ABS	70 m	<p>Mooring decommissioning of Storage Tanker and Offshore de-installation detailed engineering and design and execution:</p> <ol style="list-style-type: none"> Detailed design and engineering of removal of the mooring system. Detailed de-installation procedures, analysis and drawings. Offshore removal of Tanker MWS approval Offshore management and engineering support by DEEPBLUE personnel 		2016
Exon Mobile / Amaniaga	Mooring system Installation	PNG	ABS	15 m	<p>Mooring Offshore installation detailed engineering and design and execution:</p> <ol style="list-style-type: none"> Detailed design and engineering of mooring system installation. Sea-fastening of all equipment. Detailed installation procedures, analysis and drawings. HAZID – SIMOPS. Offshore management and engineering support by DEEPBLUE personnel 		2016

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Exon Mobile / Amaniaga	Mooring system decommissioning	PNG	ABS	15 m	Decommissioning of complete mooring system: <ol style="list-style-type: none"> Detailed design and engineering of mooring system decommissioning. Sea-fastening of all equipment. Detailed decommissioning procedures, analysis and drawings. HAZID – SIMOPS. Offshore Support personnel. 		2016
UAE Company	FPSO	UAE	DNV	80 m	EPIC for the following: <ol style="list-style-type: none"> Mooring system, anchors, winches Subsea, Risers and umbilical Detailed design of under deck strengthening for all non-process related topsides and marine equipment Design of riser & Umbilical porches, floating hose porches General Naval Architecture Marine systems engineering and design Offshore Installation support, engineering and procedures 		2015-2016
ING – Bank	FPSO OSX-2 Decommissioning and lay-up	Indonesia	ABS	15 m	Decommissioning and lay-up for the mooring system, design & engineering: <ol style="list-style-type: none"> Decommissioning of the mooring system Detailed mooring analysis for vessel lay-up. Structural strength analysis of the FPSO and jetty bollards. Offshore installation drawings. Acted as owner representative. 		2015
Coastal Energy	Banang Field	Malaysia	ABS	70 m	Mooring and Offshore installation detailed engineering and design and execution: <ol style="list-style-type: none"> Detailed design and engineering of mooring system. Detailed design and engineering of Side by Side offloading, simulation of SBS. Detailed installation procedures, analysis and drawings. Offshore Installation Offshore management and engineering support by DEEPBLUE personnel 		2014

Offshore Installation

Detailed Design & Engineering / FEED

Environmental / Offshore renewables

Expert Witness - MWS and 3rd Party Independent Review

Decommissioning

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Bumi Armada	Cluster 7 FPSO	India	ABS	150 m	Offshore installation: <ol style="list-style-type: none"> 1. Technical consultant for the Offshore Installation of the C7-FPSO 2. Providing management resources, Offshore Construction Manager, Technical support, Client representative, Marine Warranty Surveyor. 3. Offshore management and engineering support by DEEPBLUE personnel 		2014
PTTEP	FSO-2	Thailand	ABS	80 m	Offshore riser installation: <ol style="list-style-type: none"> 1. Technical support to PTTEP with the change out of existing risers. 2. Offshore Installation support personnel. 3. Review of Installation Company procedures and engineering. 4. Offshore management and engineering support by DEEPBLUE personnel 		2013
Woodside / Apache	Balnaves	Australia	LR	135 m	Mooring, SURF, naval architecture, offshore installation: <ol style="list-style-type: none"> 1. Design and engineering and simulation of Hydrodynamic behaviour of the RTM tower. 2. Simulation and analysis of RTM tower during tow, and installation. 3. Design and simulation of the different mooring lines during installation, connection and operations. 4. Design and simulation of the different flexible risers during installation, connection and operations. 		2012 - 2013
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
Bumi Armada Navigation	SEPAT FPSO	Malaysia	ABS	70 m	Offshore installation, mooring & SURF: <ol style="list-style-type: none"> 1. Design and engineering, analysis and procedures for Offshore Installation of mooring and risers and FPSO. 2. Provision of management personnel for the mooring installation, FSO hook-up SURF installation, and riser hook-up. 3. Execution of the complete offshore Installation. 		2011

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					4. Offshore management and engineering support by DEEPBLUE personnel		
PTTEP	Bongkot FSO-2	Thailand	ABS	70 m	Offshore riser installation. Technical engineering and commercial support for: 1. Riser and hose analysis and engineering. 2. Review and evaluation of tender documents. 3. Offshore management and engineering support by DEEPBLUE personnel		2011
KEI – TJS	Sepanjang FSO	Indonesia	ABS	45 m	Mooring, SURF, installation, naval architecture: 1. Design and engineer of mooring system and riser system for the FSO. 2. Offshore installation engineering and provision of support personnel for the offshore phase.		2010 - 2011
MODEC - JVPC	Turret FSO, Subsea Equipment	Vietnam	ABS	60 m	Offshore installation for detailed engineering & design FSO hook-up, PLEM, riser installation. Preparation of all procedures of the offshore installation.		2007 - 2008