

SOME OF THE MAJOR PROJECTS DONE BY US

S.No	Vessel / Ship Name	Work Scope
1	LPGYOYO - FSO	<p>Installation, Testing, Flushing and Commissioning of the following system</p> <ul style="list-style-type: none"> a. Emergency shutdown system b. Fire and Gas detection system c. MTO-Instrument air system d. Damper actuator control system e. Cargo heater system f. Rental of Various high pressure Powerpacks.
2	BW NISA - FPSO	<ul style="list-style-type: none"> a. Cargo / Ballast remote control valve system b. Deck hydraulic system for the winches c. Pump Room discharge valve monitoring system d. Hydraulic Power-pack for cargo control system
3	BW ENTERPRISES - FPSO	<ul style="list-style-type: none"> a. Foam Monitor System b. Deluge Skid Fire Water System c. CO₂ Air Horn System d. Flue Gas System e. Chemical Injection System f. Wet Chemical System g. Back Pressure Control System h. Duct CO₂ Fire Fitting System
4	BW PEACE - FPSO	<ul style="list-style-type: none"> a. Installation of Transmitters and Controllers at various locations b. Installation Sub Sea Control system c. Modification of Cargo and Stripping Pump System d. Installation Hydraulic Panels and Control Tubing for the Sea Valves e. Deluge System Modification. f. Instrument System Upgrade g. Cargo and Ballast Remote Control Valve system
5	SEA GOOD 101 - FPSO	<ul style="list-style-type: none"> a. Cargo / Ballast Remote Control Valve System b. Deck Hydraulic System for Winches c. Pump Room Discharge Valve Monitoring System d. Hydraulic Power-pack for Cargo Control System e. Hydraulic Piping for the Deck Cranes f. Rental of Various High Pressure Power-Packs
6	ABAN-ABRAHAM – Drill Ship	<ul style="list-style-type: none"> a. Retro fitting of Deck Cranes

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		<ul style="list-style-type: none"> b. Rig Floor Service Power-Pack system c. Pipe Racker Service Power-Pack System d. BOP Skidding Power-Pack System
7	DISCOVERER 534 – Drill Ship	<ul style="list-style-type: none"> a. BOP Skidding Power-pack System b. Overhauling of 84 Accumulators for the BOP System c. Overhauling of Sub-Sea Accumulators d. Pressure Testing for raising Jacks e. Pressure Testing for various High Pressure Vessels f. Rental of Various High Pressure Power Packs
8	VENDEMIAIRE – French Navy	<p style="text-align: center;">Complete Overhauling, Testing and Commissioning of:-</p> <ul style="list-style-type: none"> a. Stabilizer Unit b. Propeller Pitch Control Units c. Bow Thruster Unit d. Pressure Testing for various High Pressure Vessels
9	US Navy - USS WALTER DIEHL	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System
10	US Navy - USS IMPECCABLE	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System
11	US Navy - USNS YOKON	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System
12	Singapore Navy - RSS Resolution	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System b. Installation, Testing and Commissioning of Anchor Windlass FWD Winch and AFT Winch c. Installation, Testing and Commissioning of Mechanical Gear Chain Unit d. Installation, Testing and Commissioning of Electro-Hydraulic Control Blocks
13	BOHAI – FPSO Conversion Project	<ul style="list-style-type: none"> a. Tubing Installation, Pressure Testing, Flushing and Commissioning of Cargo & Ballast Remote Control Valve System.

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		<ul style="list-style-type: none"> b. Tubing Installation, Pressure Testing, Flushing and Commissioning of ODME System. c. Tubing Installation, Pressure Testing, Flushing and Commissioning of Instrument Air System. d. Tubing Installation, Pressure Testing and Commissioning of various locations.
14	AOKA MIZU – FPSO PROJECT	<ul style="list-style-type: none"> a. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Cargo & Ballast Valve System b. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Fire Pump Room and Engine Room c. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Off-loading equipment hydraulic system d. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Life Boat Davit Hydraulic System
15	Dubai Titan	<p style="text-align: center;">Complete Overhauling, Testing and Commissioning of Hydraulic Valve Actuators.</p> <ul style="list-style-type: none"> a. Hydraulic Valve Actuators b. Deck Hydraulic Control Boxes c. Solenoid and Manually Operated Valves d. Pressure Testing for Various High Pressure Vessels
16	OFFSHORE Stephaniturm	<p style="text-align: center;">Offshore deep-water diving service ship:</p> <ul style="list-style-type: none"> a. Upgrading of their crane (which was downgraded to 3.5 tons to 30 tons by the surveyors) b. Complete Overhauling of all the sophisticated diving systems c. Hydraulic Equipments and the rescue “A” frame system
17	SBM OFFSHORE GROUP. FPSO CIDADE DE ANCHIETA	<ul style="list-style-type: none"> a. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Turret Hydraulic System
18	SBM OFFSHORE GROUP. FPSO ASENG	<ul style="list-style-type: none"> a. Complete Overhauling, Testing and Commissioning of Winch Hydraulic System.

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19	HAYS SHIPS LTD, Scotland Harmattan tbn DORADO DISCOVERY	Complete Overhauling, Testing and Commissioning of:- <ul style="list-style-type: none"> a. A Frame Hydraulic System b. Winch Hydraulic System c. Emergency Life Boat System
20	PT. TRADA MARITIME Tbk RAISSA AYU	Complete Overhauling, Testing and Commissioning of Winch <ul style="list-style-type: none"> a. Steering Gear System. b. Winch & Windlass Hydraulic System.
21	PT. TRADA MARITIME Tbk MT CONCERTINA	Complete Overhauling, Testing and Commissioning of Winch <ul style="list-style-type: none"> a. Hydraulic System & Steering Gear System. b. Winch & Windlass Hydraulic System.
22	TEEKAY SHIPPING AUSTRALIA PTY LTD Iron Monarch	Complete Overhauling, Testing and Commissioning of: <ul style="list-style-type: none"> a. Steering Gear Hydraulic System. b. Winch Hydraulic System. c. BOW THRUSTER Hydraulics System.
23	TEEKAY SHIPPING GLASGOW LTD Polar Spirit	Complete Overhauling, Testing and Commissioning of: <ul style="list-style-type: none"> a. Steering Gear Hydraulic System. b. Winch Hydraulic System.
24	TEEKAY SHIPPING NORWAY AS Araluen Spirit tbr HIPPO	Complete Overhauling, Testing and Commissioning of: <ul style="list-style-type: none"> a. Steering Gear Hydraulic System. b. Winch Hydraulic System.
25	ARMADA BALNAVES PTE LTD FPSO BUMI ARMADA ALI	Complete Overhauling, Testing and Commissioning of: <ul style="list-style-type: none"> a. Anchor Windlass Hydraulic System. b. Winch Hydraulic System. c. Turret System.

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26	<p>POLYNESIENNE DE TRANSPORT MARITIME</p> <p>M2 - Passenger Cruise</p>	<p>a. Tubing Installation, Pressure Testing, Flushing and Commissioning of Quick Closing System.</p> <p>b. Tubing Installation, Pressure Testing, Flushing and Commissioning of Grease Trap & MGPS System.</p> <p>c. Tubing Installation, Pressure Testing and Commissioning of various locations.</p> <p>d. Overhauling and Testing of the Windlass & Winch Hydraulic Motors and HPU Pumps.</p>
27	<p>TEEKAY SHIPPING AUSTRALIA PTY LTD</p> <p>Ocean Protector Australian Navy Ship</p>	<p>Complete Overhauling, Testing and Commissioning of the NATIONAL OILWELD VARCO OFFSHORE ACTIVE HEAVE COMPENSATED CRANE – T 5199 – 140 TON</p> <p>a. Auxiliary Hoisting Winch System.</p> <p>b. Tuggler Winch System.</p> <p>c. Main Drive Hoisting Winch System.</p>
28	<p>TEEKAY SHIPPING AUSTRALIA PTY LTD</p> <p>Ocean Shield Australian Navy Ship</p>	<p>a. AFT & FWD CRT Davit System</p> <p>b. FRC Davit System.</p> <p>c. PORT & STBD Lifeboat Davit System</p> <p>d. PORT & STBD Provision Crane.</p>
29	<p>POLAR TANKERS INC.</p> <p>Polar Adventure</p> <p>Polar Discovery</p> <p>Polar Enterprises</p> <p>Polar Resolution</p> <p>Polar Endeavour</p>	<p>a. Tubing Installation, Pressure Testing, Flushing and Commissioning of Cargo & Ballast Remote Control Valve System</p> <p>b. Tubing Installation, Pressure Testing, Flushing and Commissioning of Water Ballast System.</p> <p>c. Tubing Installation, Pressure Testing and Commissioning of various locations.</p>
30	<p>NLNG SHIP MANAGEMENT LTD, NIGERIA</p> <p>LNG Cross River</p> <p>LNG Bayelsa</p> <p>LNG Sokoto</p> <p>LNG River</p>	<p>Complete Overhauling, Testing and Commissioning of the Following Systems :</p> <p>a. Steering Gear Hydraulic System.</p> <p>b. PORT & STBD Provision Crane.</p> <p>c. PORT & STBD Mid-Ship Crane.</p> <p>d. Anchor Windlass Hydraulic System.</p>

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31	SHELL TANKERS AUSTRALIA PTY LTD, AUSTRALIA North West SeaEagle North West Sandpiper North West Stormpetrel North West Sanderling North West Snipe	Complete Overhauling, Testing and Commissioning of the Following System : <ol style="list-style-type: none"> a. Steering Gear Hydraulic System. b. FWD Anchor Windlass Hydraulic System. c. Mooring Winch Hydraulic System. d. Cargo & Water Ballast System Valve Actuators.
32	MOL LNG TRANSPORT (EUROPE) LTD, London Dukhan	Complete Overhauling, Testing and Commissioning of the Following System : <ol style="list-style-type: none"> a. Anchor Windlass Hydraulic System b. Winch Hydraulic System c. AFT & FWD HPU System d. Deck Cranes
33	BW Offshore Singapore Pte Ltd, Singapore BW Azurite	Complete Overhauling, Testing and Commissioning of the Following System : <ol style="list-style-type: none"> a. AFT & FWD Mooring Chain Jack System b. Mobile Riser Chain Jack System c. AFT & FWD HPU System

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2	BW NISA - FPSO	<ul style="list-style-type: none"> a. Cargo / Ballast remote control valve system b. Deck hydraulic system for the winches c. Pump Room discharge valve monitoring system d. Hydraulic Power-pack for cargo control system
3	BW ENTERPRISES - FPSO	<ul style="list-style-type: none"> a. Foam Monitor System b. Deluge Skid Fire Water System c. CO₂ Air Horn System d. Flue Gas System e. Chemical Injection System f. Wet Chemical System g. Back Pressure Control System h. Duct CO₂ Fire Fitting System
4	BW PEACE - FPSO	<ul style="list-style-type: none"> a. Installation of Transmitters and Controllers at various locations b. Installation Sub Sea Control system c. Modification of Cargo and Stripping Pump System d. Installation Hydraulic Panels and Control Tubing for the Sea Valves e. Deluge System Modification. f. Instrument System Upgrade g. Cargo and Ballast Remote Control Valve system
5	SEA GOOD 101 - FPSO	<ul style="list-style-type: none"> a. Cargo / Ballast Remote Control Valve System b. Deck Hydraulic System for Winches c. Pump Room Discharge Valve Monitoring System d. Hydraulic Power-pack for Cargo Control System e. Hydraulic Piping for the Deck Cranes f. Rental of Various High Pressure Power-Packs

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7	DISCOVERER 534 – Drill Ship	<ul style="list-style-type: none"> a. BOP Skidding Power-pack System b. Overhauling of 84 Accumulators for the BOP System c. Overhauling of Sub-Sea Accumulators d. Pressure Testing for raising Jacks e. Pressure Testing for various High Pressure Vessels f. Rental of Various High Pressure Power Packs
8	VENDEMIAIRE – French Navy	<p style="text-align: center;">Complete Overhauling, Testing and Commissioning of:-</p> <ul style="list-style-type: none"> a. Stabilizer Unit b. Propeller Pitch Control Units c. Bow Thruster Unit d. Pressure Testing for various High Pressure Vessels
9	USS WALTER DIEHL – US Navy	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System
10	USS IMPECCABLE – US Navy	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System
11	USNS YOKON – US Navy	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System
12	RSS Resolution – Singapore Navy	<ul style="list-style-type: none"> a. Installation, Testing and Commissioning of New Emergency Life Boat Control System b. Installation, Testing and Commissioning of Anchor Windlass FWD Winch and AFT Winch c. Installation, Testing and Commissioning of Mechanical Gear Chain Unit d. Installation, Testing and Commissioning of Electro-Hydraulic Control Blocks

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14	AOKA MIZU – FPSO PROJECT	<ul style="list-style-type: none"> a. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Cargo & Ballast Valve System b. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Fire Pump Room and Engine Room c. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Off-loading equipment hydraulic system d. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Life Boat Davit Hydraulic System
15	Dubai Titan	<p>Complete Overhauling, Testing and Commissioning of Hydraulic Valve Actuators.</p> <ul style="list-style-type: none"> a. Hydraulic Valve Actuators b. Deck Hydraulic Control Boxes c. Solenoid and Manually Operated Valves d. Pressure Testing for Various High Pressure Vessels
16	OFFSHORE Stephaniturm	<p>Offshore deep-water diving service ship:</p> <ul style="list-style-type: none"> a. Upgrading of their crane (which was downgraded to 3.5 tons to 30 tons by the surveyors) b. Complete Overhauling of all the sophisticated diving systems c. Hydraulic Equipments and the rescue “A” frame system
17	<p>SBM OFFSHORE GROUP.</p> <p>FPSO CIDADE DE ANCHIETA</p>	<ul style="list-style-type: none"> a. Fabrication, Installation of Pipes, Pressure Testing, Flushing and Commissioning of Turret Hydraulic System
18	<p>SBM OFFSHORE GROUP.</p> <p>FPSO ASENG</p>	<ul style="list-style-type: none"> a. Complete Overhauling, Testing and Commissioning of Winch Hydraulic System.

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19	HAYS SHIPS LTD, Scotland Harmattan tbn DORADO DISCOVERY	Complete Overhauling, Testing and Commissioning of:- a. A Frame Hydraulic System b. Winch Hydraulic System c. Emergency Life Boat System
20	PT. TRADA MARITIME Tbk RAISSA AYU	Complete Overhauling, Testing and Commissioning of Winch a. Steering Gear System b. Winch & Windlass Hydraulic System
21	PT. TRADA MARITIME Tbk MT CONCERTINA	Complete Overhauling, Testing and Commissioning of Winch a. Hydraulic System & Steering Gear System b. Winch & Windlass Hydraulic System
22	TEEKAY SHIPPING AUSTRALIA PTY LTD Iron Monarch	Complete Overhauling, Testing and Commissioning of: a. Steering Gear Hydraulic System b. Winch Hydraulic System c. BOW THRUSTER Hydraulics System
23	TEEKAY SHIPPING GLASGOW LTD Polar Spirit	Complete Overhauling, Testing and Commissioning of: a. Steering Gear Hydraulic System b. Winch Hydraulic System
24	TEEKAY SHIPPING NORWAY AS Araluen Spirit tbr HIPPO	Complete Overhauling, Testing and Commissioning of: a. Steering Gear Hydraulic System b. Winch Hydraulic System
25	ARMADA BALNAVES PTE LTD FPSO BUMI ARMADA ALI	Complete Overhauling, Testing and Commissioning of: a. Anchor Windlass Hydraulic System b. Winch Hydraulic System c. Turret System

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26	M2	<ul style="list-style-type: none"> a. Tubing Installation, Pressure Testing, Flushing and Commissioning of Quick Closing System. b. Tubing Installation, Pressure Testing, Flushing and Commissioning of Grease Trap & MGPS System. c. Tubing Installation, Pressure Testing and Commissioning of various locations. d. Overhauling and Testing of the Windlass & Winch Hydraulic Motors and HPU Pumps.
27	TEEKAY SHIPPING AUSTRALIA PTY LTD Ocean Protector	<p style="text-align: center;">Complete Overhauling, Testing and Commissioning of the NATIONAL OILWELD VARCO OFFSHORE ACTIVE HEAVE COMPONSATED CRANE – T 5199 – 140 TON</p> <ul style="list-style-type: none"> a. Auxiliary Hoisting Winch System. b. Tuggler Winch System. c. Main Drive Hoisting Winch System.
28	Ocean Shield	<ul style="list-style-type: none"> a. AFT & FWD CRT Davit System b. FRC Davit System. c. PORT & STBD Lifeboat Davit System d. PORT & STBD Provision Crane.
29	POLAR TANKERS INC. Polar Adventure Polar Discovery Polar Enterprises Polar Resolution Polar Endeavour	<ul style="list-style-type: none"> a. Tubing Installation, Pressure Testing, Flushing and Commissioning of Cargo & Ballast Remote Control Valve System b. Tubing Installation, Pressure Testing, Flushing and Commissioning of Water Ballast System. c. Tubing Installation, Pressure Testing and Commissioning of various locations.
30	NLNG SHIP MANAGEMENT LTD, NIGERIA LNG Cross River LNG Bayelsa LNG Sokoto LNG River	<p style="text-align: center;">Complete Overhauling, Testing and Commissioning of the Following Systems :</p> <ul style="list-style-type: none"> a. Steering Gear Hydraulic System. b. PORT & STBD Provision Crane. c. PORT & STBD Mid-Ship Crane. d. Anchor Windlass Hydraulic System

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32	<p>MOL LNG TRANSPORT (EUROPE) LTD, London</p> <p>Dukhan</p>	<p>Complete Overhauling, Testing and Commissioning of the Following System :</p> <ul style="list-style-type: none"> a. Anchor Windlass Hydraulic System b. Winch Hydraulic System c. AFT & FWD HPU System d. Deck Cranes
33	<p>BW Offshore Singapore Pte Ltd, Singapore</p> <p>BW Azurite</p>	<p>Complete Overhauling, Testing and Commissioning of the Following System :</p> <ul style="list-style-type: none"> a. AFT & FWD Mooring Chain Jack System b. Mobile Riser Chain Jack System c. AFT & FWD HPU System