

Date	Project	Customer	End User	Scope of Work	Class
2000	Conversion of Northern River from PSV to Cable Ship	CTC Marine Projects	Alcatel Submarine Networks	Vessel electrical design, class approval, project management, construction, installation and commissioning	DNV
2001-2002	New Build Cable Ships Skandi Neptune & Ocean Challenger	CTC Marine Projects	Alcatel Submarine Networks	Vessel electrical design, class approval, project management, construction, installation and commissioning	DNV
2003	Snohvit Carousel Barge - Flexible Pipe Spooling & Storage System	Technip	Statoil	Electrical construction, installation and commissioning	N/A
2004-2005	Portable Pipelay VLS (Flexible Pipe) System 1 (PPS01)	Technip	Technip	Power & automation consultancy, engineering, build & vessel integration	N/A
2004-2006	Kristin, Morvin, Alve & Norne Satellites Flow Line & Piggyback DEH Cable Installation	Technip	Statoil	Design, build, mobilisation & offshore support of DEH Cable Protection Handling System – Variable Speed Drive Suites and Control System	N/A
2007	UTI Trenching Machine Variable Speed Jetting Pump Drive system	CTC Marine Projects	Alcatel Submarine Networks	Power & automation consultancy, engineering, build & vessel integration	N/A
2008	VLS (Flexible Pipe) Lay System - Tower, 50Te Tensioner, Underbender Compensator & Carousel	Amclyde Norson (NOV)	Helix	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A
2009	VLS (Flexible Pipe) Lay System - Tower, 150Te Tensioner, Underbender Compensator & Carousel	Subsea 7	Subsea 7	Electrical construction, installation and commissioning	N/A
	Portable 60Te Active Heave	Subsea Innovation	Technip	Design, build, commissioning, & mobilisation of Power & and	N/A

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	Compensated Moonpool Deployment System			Control System	
2010	VLS (Flexible Pipe) Lay System - Tower, 150Te Tensioner, Underbender Compensator & Carousel	Amclyde Norson (NOV)	AMC	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A
	VLS (Flexible Pipe) Lay System - Tower, 350Te Tensioner, Underbender Compensator & Carousel	McDermott	McDermott	Electrical construction, design supervision, installation and commissioning	N/A
2011	HLS System - 2 x 45Te Tensioners	Amclyde Norson (NOV)	EMAS	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A
2012	VLS (Flexible Pipe) Lay System - Tower, 90Te Tensioner, Underbender Compensator & Carousel	Amclyde Norson (NOV)	Ocean Installer	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A
	DBA Anchor Handling Winch Spread Upgrade	Hydrofit	Saipem	Replacement of complete winch control and drive system. Supply of offshore control and hydraulic technicians for ongoing system in field support	DNV
	450Te Rigid Pipelay System – Tower, Tensioner, Main Pipe Reel, 450Te A&R Traction & Storage Winches	McDermott	McDermott	Power & Automation consultancy, engineering, build & vessel integration	N/A
2014	90Te Tensioner	Amclyde Norson (NOV)	CNOOC	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A

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	LNG Cryogenic Quick Release Coupling (CRC) System	Klaw LNG	Shell	Design & build of high integrity/high availability SIL 2 rated PLC Control & SCADA System	LRS
	A&R Traction & Storage Winch Drive & Control System, Package	McDermott	McDermott	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A
	2 x Workclass ROV AHC Lars Systems	Ennsub	Ceona	Design, build, commissioning, & mobilisation of Winch & A-Frame Control Systems	N/A
2015	FPSO Hose Reel System	Dunlop Oil & Marine – Contitech AG	Mercator	Design, build, commissioning, & mobilisation of HPU Power & Control System	N/A
	Flying Sheave Active Heave Compensator	S&A	ALDA	Supply & integration of X-Wave™ AHC Control, System and PLC based machine control and safety system.	N/A
	Pipelay & winch spread electrical, drive and software re-engineering	Technip	Deep Energy	Modification of pipelay control software including tensioners, A&R winches, Lead String and Initiation Winches	N/A
	Integrated FPSO Hose Reel System	Techflow Marine	Total	Design, build, commissioning, & mobilisation of Integrated Power & Control System	BV
2016	20Te Active Heave Compensated Cable Quadrant Handling System with Synchronised 5Te Tipping Winch System	DeepOcean	DeepOcean	Design, build, commissioning, & mobilisation of Integrated Power & Control System including patented our X-Wave™ Active Heave Compensation Control System.	N/A
	Carousel Control & Drive System	JDR Cables		Design, Build & Commissioning of Carousel Electric Drive and Control System for Flying Lead Installation	N/A
	Havilla Phoenix Power System Upgrade	DeepOcean	DeepOcean	Turnkey Project Management, Engineering Design, Class Approval, Installation and	DNV

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				Acceptance/DP Trials for Main Electrical Power System Upgrade	
	Commodore Goodwill Ballast Water Treatment System	A&P	Condor ferries	Design, Installation & Integration of Ballast water Treatment Automation & Electrical System	DNV
	Engine Room Fan VSD Upgrade	Condor Ferries	Condor Ferries	Design, Build, Class Approval, Installation and Commissioning of Engine Room Fan Upgrade	DNV
	Power Management System Upgrade	Condor Ferries	Condor Ferries	Replacement of Vessel Power Management System including Detailed Engineering Design, Class Approval, Installation, Commissioning & Acceptance Trials	DNV
	Power Factor Correction Design & Installation	Northern Marine Management	Stena Foreteller	Survey, Report, Design, Construction & Installation of PFC System	LRS
	Power Management System Upgrade	Northern Marine Management	Stena Superfast X	PLC upgrade to existing Vessel Power Management System including Detailed Engineering Design, Class Approval, Installation, Commissioning & Acceptance Trials	LRS
	Generator Automatic Voltage Regulator (AVR) Upgrade	Northern Marine Management	Stena Superfast X	Upgrade and Replacement of all AVR's for 4 Diesel Generators and 2 Shaft Generators	LRS
	Exhaust Gas Scrubber System	Belco	Condor ferries	PLC Control System Upgrade including Detailed Engineering Design, Class Approval, Installation, Commissioning & Acceptance Trials	DNV
	Remote Monitoring & Alarms System	Subsea7	Subsea7	Design, Installation & Commissioning of 3 off remote GSM/SMS Monitoring System for Cold Stacked Vessels	N/A
	Vessel Main Switchboard	Parkol Marine	Parkol Marine	Design, Class Approval, Construction and Commissioning of Vessel Main Switchboard and	BV

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				Power Management System	
	Main Engine & Auxiliary Generator Instrumentation & Protection Systems	Kommandor Stuart	Hays Ships	System Upgrade and Testing	DNV
	12Te Electric Active Heave Compensated LARS Winch	Soil Machine Dynamics	Shanghai Salvage	Design, build, commissioning, & mobilisation of Variable Speed Drive Suites and Control System	N/A
2017	500kW Floating Offshore MicroGrid & Energy Storage System	Minesto	Minesto	Design, build, commissioning, & mobilisation of Power converter & Energy Storage System with integrated PLC & SCADA Control System	N/A
	40kW Floating Offshore MicroGrid & Energy Storage System	Marine Power Systems	Marine Power Systems	Design, build, commissioning, & mobilisation of Power converter & Energy Storage System with integrated PLC & SCADA Control System with remote telemetry link to shore	N/A
	Replacement Diesel Electric propulsion System on Survey Vessel Corystes	ABFI	ABFI	Design, build, class approval, commissioning, installation and sea trials of Variable Speed Drive and Control System	LRS
	X-Wave™ Active Heave Compensation Control System for 50Te LARS Winch	S&A	ALDA	Supply & integration of X-Wave™ AHC Control, System and PLC based machine control and safety system.	N/A
	Umbilical Ballast Wire Winding Machine	RED Engineering	Technip	Design, build, commissioning, & mobilisation of Variable Speed Drive and Control System	N/A
	4 Point Umbilical Fatigue Test Rig	RED Engineering	GE Oil & Gas	Engineering design, software & consultancy.	N/A
	Jacket Lifting Tool Telemetry System	RED Engineering	Seaway Heavy Lift	Design, build, commissioning, & mobilisation of Control System and high integrity remote	N/A

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				telemetry package	
	800Te Portable Reel Drive System	MDL	Oceaneering	Dimensioning, Specifying and Supply of electric drive train package including drives, motors, control gear & Harmonic Filter	N/A
	DNV-GL 2.7-1 ROV Power & Control Container	Osbit	DeepOcean	Design, build, commissioning, & mobilisation of Power & and Control System	DNV-GL
	DNV-GL 2.7-1 ROV Power & Control Container	Osbit	DeepOcean	Design, build, commissioning, & mobilisation of Power & and Control System	DNV-GL
	VLS Cable Lay System - Tower, Tensioner, Underbender Compensator & Carousel	Amclyde Norson (NOV)	LS Cables	Design, build, commissioning, & Containerisation of Variable Speed Drive Suites and Control System	DNV-GL
	VLM Upgrade	JDR Cables	JDR Cables	Electrical upgrade for JDR Cables VLM Umbilical Manufacturing Machine	N/A
	Vessel Integrated Automation & Control System Upgrade	A&P Falmouth	Condor Ferries	Replacement of Vessel Integrated Automation & Control System including Detailed Engineering Design, Class Approval, Installation, Commissioning & Acceptance Trials	DNV-GL
	Fire Shutter Control & Trace Heating Electrical & Automation System	Heerema	Petrofac /Galopper	Delivery of Galopper OSP Platform Fire Safety Systems including Detailed Engineering Design, Class Approval, Installation, Commissioning & Acceptance Trials	DNV-GL
	Bilge Pump Control	Parkol	Parkol	Design, Build and Installation of Bilge Pump of Control & Electrical System	BV
	Engine Room Exhaust Fans	ABB	COTCO KK	Design & build of Hazardous Area Exhaust Fan Starter & Control System	ABS

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	AHC Walk to Work/Personnel Transfer System	Tyne Gangway	Damen	Design, build, & commissioning of electro-hydraulic personnel transfer system	DNV-GL
	Ballast Water System & Anti Heeling Control System	A&P Falmouth	Condor Ferries	Design, build, construction and installation of Ballast Water Treatment and Anti-Heeling controls system	DNV-GL
	Carousel Control & Drive System	JDR Cables		Design, Build & Commissioning of Carousel Electric Drive and Control System for Flying Lead Installation	N/A
	ENI Douglas Platform Subsea downhole Production Pump Drive System Upgrade	ABB	ENI	Removal of existing and retrofit of replacement of the platforms main variable speed drive production pump systems	N/A
2018	LNG Transfer Emergency Safety Release Coupling Actuation System	Klaw Products	Shell	Design, build, commissioning, & mobilisation of dual redundant hot standby SIL2 rated control & actuation system	LRS
	Distribution Board for ROV	M2 Subsea		Design, manufacture & testing of ROV distribution boards	N/A
	AVR & Clean Supply UPS Upgrade	ABFI	ABFI	Design, manufacture, class approval, installation & testing of replacement AVR and clean power supplier for survey Vessel	LRS
	Zone 1 Power and Control Panels	ABB	Unknown	Design, build, test & certification for Zone 1 Power & Control Panels	N/A
	Dyno test cell for axial flux permanent magnet generator/motor	AVID Technologies	ETI	Design, construction, testing and commissioning of 400kW VSD Dyno test rig	N/A

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	Offshore Mobilisation	Van Oord	Van Oord	REM Saltire Mobilisation – electrical power, data, clearcomms, CCTV installation	N/A
	Electrical Inspection of Carousel System	Ecosse Subsea	Ecosse Subsea	Electrical Survey and remedial work	N/A
	DNV-GL .7-1 Control Van	Osbit	DeepOcean	Design, construction and outfitting of ROV Control Van	DNV-GL
	Mooring & Capstan Winches	North Sea Winches	CalMac Ferries	Size, spec, & supply only of ABB ACS880 VSDs for electric winches	N/A
	Mobilisation	DeepOcean	DeepOcean	Havilla Phoenix, Edda Freya & Maersk Connector project mobilisations – electrical power, data, clearcomms, CCTV installation	N/A
	LNG Transfer Emergency Safety Release Coupling Actuation System	Klaw Products	Fortress New Energy	Design, build, commissioning, & mobilisation of Dual Redundant Hot Standby SIL2 Rated Control & Actuation System	ABS
	Reel Lay System Control Panels	NOV Amclyde Norson	Shanghai Salvage	Build & Testing of 9 back deck mounted SS controls Panels for Lay System	N/A
	ACB Testing	Van Oord	MPI Resolution	5 yearly ACB testing	N/A
	Bridge Fibre Optic Replacement	P&O	Norbay	Replacement of failed Fibre link with Siemens S7 Plc 7 & Fibre converters	N/A
	Main Switch and distribution Boards	Parkol Marine	Fishing Vessel	Design , build and Installation of Lloyds class approved 415v main switch and distribution boards	LRS
	Upgrade Power Van Cable and connections	DeepOcean	Skandi Acergy	Design , build and Install LV & HV Cable junction boxes and connectors	N/A
	Propulsion Pitch Control System Upgrade	CalMac	Caledonian Isles	New Installation drawings, with over 3000m of marine standard cable procured and installed on the vessel with point to point	LRS

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				testing and handover	
	Power Take Off System -Wave device	Bombora Wave Power	mWave	Basic and detailed design of electrical Power system for 1.5MW wave device	N/A
	Cable Fatigue test bench	Osbit	ORE Catapult	Design, build of VSD control panel with S7-1500 PLC controls, HMI and national instruments data logging	N/A
	ENI Douglas Platform Subsea downhole Production Pump Drive System Upgrade – Phase II	ABB	ENI – Douglas Platform	Removal of existing and retrofit of replacement of the platforms main variable speed drive production pump systems	N/A
	LNG Transfer Emergency Safety Release Coupling Actuation System	Klaw	TGE	Design, build, commissioning, & mobilisation of dual redundant hot standby SIL2 rated control & actuation system	ABS
	Vessel Ramp Control System Upgrade	Irish Ferries	MV Dublin Swift	Design, Build, Installation and commissioning of new control system and replacement sensors.	LRS
	Tensioner Controls Upgrade	Technip	Deep Blue	Development and implementation of an equalisation mode for the pipelay tensioner control system to improve load equalisation between tensioners in flexible mode for enhanced product protection.	N/A
	LNG Transfer Emergency Safety Release Coupling Actuation System	Klaw	Exmar Caribbean	Design, build, commissioning, & mobilisation of dual redundant hot standby SIL2 rated control & actuation system	ABS
	DNV-GL-ST-E2.7-1 3.3kv Mass Flow Excavator 700KW VSD Power & Control Van	Osbit	N/A	Design, build, outfit and install of 20ft power van with 700KW VSD, sine filer and LV/MV step-up transformer and 20ft control van	DNV-GL
2019	Reel Lay System	Nov Amclyde	SUBSEA7	Build & Testing of 9 back deck	N/A

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	Control Panels	Norson		mounted SS controls Panels for Lay System	
	DNV-GL-ST-E2.7-1 ROV Power and Control van	Osbit	N/A	Design, build, outfit and install of 10ft 55KW power van w, sine filter and LV/MV step-up transformer and 20ft control van	DNV-GL
	Pitch Control System Upgrade	CalMac Ferries	MV Hebrides	New Installation drawings, with over 3000m of marine standard cable procured and installed on the vessel with point to point testing and handover	LRS
	Robotic Containerised Material Handling System	Red Engineering	Confidential	Design & build of control & automation system, installation and commissioning for nuclear water handling project	N/A
	Rolls Royce IAS Upgrade	Van Oord	MPI Resolution	Installation Cable & Fibre replacement for IAS System	DNV-GL
	5 Year electrical Vessel Inspection	Subsea7	Seven Pegasus	Electrical inspection & testing of ACB's, MCCB's, transformers, alternators ,motors and Siemens propulsion drives	DNV-GL
	Marine Crane VSD 9 year service	Subsea7	Seven Pegasus	ACS800 PM Kits for crane AFE Crane drive	N/A
	Back Deck Distribution Panels	Subsea7	Seven Pegasus	New designed and build of SS DB panels and installation for back deck distribution	DNV-GL
	Tensioner Pad Test Rig	Red Engineering	Confidential	Design & build of main HPU cabinet and controls with NI Labview data logging, installation and commissioning	N/A
	Ballast Control System Upgrade	Stena	Stena Scotia	Replacement and upgrade of obsolete control system with increases redundancy, off-the-shelf hardware and open system architecture using Siemens S7 PLC's & HMIs.	LRS
	Energy Storage FEED	TechnipFMC	Deep Energy	Energy storage FEED for pipelay equipment	N/A

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	T3200 Power Van Inspection	DeepOcean	DeepOcean	LV and MV inspection and testing	N/A
	LNG Transfer Emergency Safety Release Coupling Actuation System	Klaw Products	Gasfin	Design, build, commissioning, & mobilisation of dual redundant hot standby SIL2 rated control & actuation system	DNV-GL
	Marine Distribution Board	Silverstream Technologies	Shell	Design, build and marine class certification for sub-DB	LRS
	5 Yearly Electrical Inspection	DeepOcean	Havila Phoenix	ACB, MCCB, switchgear , transformers, alternators , instrumentation Inspection and testing	DNV-GL
	Linkspan Upgrade	Industrial & Marine Hydraulics	CMAL -Tiree & Coll	New Electrical HPU Panels and controls, installation and commissioning for linkspan	N/A
	Vessel Main Breaker Upgrades	CalMac Ferries	MV Loch Nevis	Replacement & upgrade of Terasaki ACB/MCCB's from 630a to 2500A with ABB Emax 2 during fry docking, installation, commissioning and testing.	LRS
	Hang-off Clamp & Storage Winch Integration	TechnipFMC	Deep Blue	Development and implementation of the control system interface between the existing pipelay control system and the new A&R system storage winch and new Hang Off Clampwith vessel.	N/A
	mWave PTO Tidal Generator	Bombora Wave Power	mWave Tidal Generator	Construction, Automation & Installation of Generator & Control System	N/A
	Vessel 690v Shore Power Supply	DeepOcean	MPI Resolution	Design , build and installation of 1600A dual Shore Power supply	DNV-GL
	Vessel Electrical Load Analysis	Subsea7	Seven Pegasus	Carry out detailed vessel survey and prepare a full vessel electrical load balance	DNV-GL
	Marine Switchboard Install	ABB	ENI -Douglas Platform	690V Switchboard installation and testing	LRS

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	LNG Transfer Emergency Safety Release Coupling Actuation System	Klaw Products	KMPOG	Design, build, commissioning, & mobilisation of dual redundant hot standby SIL2 rated control & actuation system	ABS
	Electrical Health Check	COTCO	FPSO KK1	Electrical switchgear Health check	BV
	Vessel Main Circuit Breaker Upgrades	CalMac Ferries	CalMac Ferries	Replacement & upgrade of Terasaki ACB/MCCB's from 400A to 2500A with ABB Emax 2 during dry docking, installation, commissioning and testing	LRS
	Propulsion Pitch Control System Upgrades	CalMac Ferries	CalMac Ferries	New Installation with over 6000m of marine standard cable procured and installed on the vessel with point to point testing and handover	LRS
2020	Pipe-in pipe S-lay Under Roller Drive and Control System	Subsea7	Seven Borealis	Design, build, installation and commissioning for pipelay (S-lay) variable speed under roller system for pipe-in-pipe installation.	DNV-GL
	Well Intervention System	Osbit	FTAI	Design, build, install and commission 2MW HPU power and control system including MCC/Switchboards & Siemens redundant hot standby PLC system	DNV-GL
	Skandi Vittoria Electrical System Upgrade	Technip	Technip	Design, build, install and commission a major upgrade to the vessel main power distribution system to prepare it for mobilisation of a Well Intervention Spread	DNV-GL
	Heortnesse Life Extension (Trailing Suction Hopper Dredger)	A&P	PD Ports	Design, build, install and commission a replacement diesel electric propulsion and dredge drive system, dredge control system, integrated vessel monitoring, automation and control system, power management system complete with replacement Bridge and ECR	LRS

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				consoles and desks.	
	Pipe Line Up Tool	Red Engineering	Technip	Design, build and commission of the electrical and control system for a portable pipeline up tool for offshore pipelaying	N/A
	Submarine Rescue System	Thrust LLC	Naval	Design, build and commission all the electric winch and control systems (including active heave compensation) for the handling and deployment system for a Submarine Rescue Vehicle	DNV-GL
	LNG Bunkering Systems	Klaw LNG (Trelleborg)	Various	Three shipsets of PLC control, safety system and HPU systems for emergency release couplings for hose transfer of Bunkering LNG. Repeat of 12 shipsets of same delivered in 2019	DNV-GL
2021	New CCTV System with 60 cameras	CalMac	MV Isle of Lewis	New Marine CCTV system including design, engineering, installation and commissioning.	LRS
	Pontoon Rewire & CCTV Installation	Innogy/RWE	Innogy/RWE	Design, engineer & build of pontoon distribution panel and local power points with onsite removal of existing equipment and installation of cable, cable management and new DBs.	N/A
	Mega Lift Controls System Upgrade	JDR	JDR	Software & controls design, integration, installation & commissioning	N/A
	Energy Storage System for Brown/blackout ride through	Futamura	Futamura	Design and engineering of power, electrical & control system with energy management system for ultra-capacitor energy storage system, construction & commissioning	N/A
	Ballast Control System Upgrade	Stena line		Replacement and upgrade of obsolete control system with increases redundancy, off-the-shelf hardware and open system architecture using Siemens S7	LRS

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				PLC's & HMIs.	

Year	Project	Customer (End User)	Scope of Supply / Project Description	Classification Society
2022	Control System for Subsea Drilling Rig	Subsea Micropiles	SEMPRE Subsea Drilling Control System for low environmental impact seabed anchoring system for floating wind farms. Design, manufacture, testing, installation and commissioning of 20ft containerised control and power van for subsea drill rig. Design, manufacture & supply full subsea control system for depths up to 300 metres, includes Subsea Control Pods, subsea hydraulic Valve Packs and full control rig sensors and camera system.	N/A
2022	Power Van for Subsea Plough	Nexans	Subsea Trenching Power System Supply the control, telemetry & power system for the Self-Loading Cable Plough. Power & Control Cabin designed and installed into a 20ft DNV container.	N/A
2022 - 2025	Ferry Upgrades	CalMac Ferries	Vessel Fleet Upgrades Including: Main Power Circuit Breakers Stabiliser Upgrade CCTV Upgrades Bow Thruster Upgrades	N/A
2022	RMP Control System	Aquaterra Energy	MV Pride Riser Make-up Package Control System Design, manufacture, testing and supply of Control System for the Riser Make-up Package and its interface with the Smart Tower System in an Open Water Intervention Riser System (OWIRS)	DNV
2022	A&R Winch	Technip FMC	Apache II A&R Winch	N/A

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	Control System		Replacement and upgrade of A&R winch control and safety control system.	
2022	Energy Storage Unit Package	Kongsberg	Blackout Ride Through Steering Gear Design, manufacture, testing and commissioning of the energy storage unit that provides power to operate the steering gear through a blackout.	DNV
2022 - 2025	LNG Safety Control Systems	Trelleborg	Standardisation of LNG safety control systems for ship to ship and ship to shore LNG transfers.	BV
2022	SOV Offshore Charging System	MJR R&D	High Power Offshore Connection Charging System for SOV 8MW high power charging system Develop, test and prove the concept of a safe, practical means of electrically connecting an SOV to an Offshore Wind Farm (OWF)	DNV (AiP)
2023	Offshore Conveyor System	RED Engineering (Subsea 7)	Offshore Conveyor Control System Development, design, manufacture and supply of an offshore conveyor system to semi-automate the installation of buoyancy modules when laying subsea umbilical's and flexible risers.	N/A
2023	Vessel Power Generation Efficiency	PD Ports	Heortnesse Dredger Power Quality Upgrade Vessel Power Quality Upgrade & Preparation for Battery Hybrid Modification.	LR
2023	Hydrogen Engine Control System	Carnot Engines	Containerised Control System Design, manufacture, test and commission a fully containerised portable Carnot Engine (Hydrogen) Generation system suitable for mobilisation onto a shipping vessel	BV
2023	Containerised Power & Control System	Danfoss (Proteus)	2 x 20ft Containerised Power System Design, manufacture, test and supply 2 x 20ft containers with power generation and control switchboards for subsea power generation.	N/A

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2023	CTV Offshore Charging System (Harbour Trials)	MJR R&D	Harbour Trials for Offshore Charging System 250kW Crew Transfer Vessel (CTV) offshore charging system. Successful completion of harbour trails, proven design for connection and power transfer.	DNV (AiP)
2023 - 2025	Electric Workboat Power Switchboard	Coastal Workboats	E-LUV Electric Workboat / Ferry: 2023 - Stage 1: Design of Switchboard for a full electric workboat incorporating Danfoss iC7 drives 2024 - Stage 2: Build, Test and Supply of Switchboard 2025 – Stage 3: Installation and Commissioning	BV
2023 - 2025	Shore Power Storage System (SPSS) for E-LUV Electric Ferry	ReNew Marine	SPSS for E-LUV Electric Workboat / Ferry: 2023 - Stage 1: Design of 30ft Containerised power system for a full electric workboat incorporating standalone battery power system with 1MW of batteries. 2024 - Stage 2: Build, Test and Supply of Containerised System 2025 – Stage 3: Installation and Commissioning	BV
2023 - 2025	Hybrid Ferry Battery Upgrade	CalMac Ferries	MV Hallaig, MV Lochinvar, MV Catriona Upgrades 3 Hybrid Ferries Battery Replacement and Battery monitoring system upgrade. Each vessel has approx. 1MW of battery power to be upgraded with the use of lithium-ion batteries helping reduce fuel and CO2 consumption by at least 20%.	LR
2023 - 2024	CTV Offshore Charging System (Offshore Trials)	Parkwind Jera Group & MJR R&D	Offshore Trials for Offshore Charging System Successful completion of offshore trials, at an operational offshore wind farm with Parkwind Jera Group. Proved connection at sea from OSWF Sub-station, and transfer of power to the vessel.	DNV (AiP)

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2024	SOV Hybrid Upgrade	Green Technologies (Edison Chouest Offshore)	AHTS Mr Chafic Hybrid Upgrade Battery hybrid modifications and upgrade to PMS and IAMS. Design, manufacture, testing, installation and commissioning of PMS and Integrated alarm and monitoring system	DNV
2024 - 2025	EF-24 Electric Hydrofoil Ferry	Artemis Technologies	Power & Propulsion Design for Electric Ferry Design of a power and propulsion plant for 24 m, fully electric, twin-hull, hydro-foiling passenger ferry vessel	DNV
2024	Shore Power System	ORE Catapult	Shore Charging Power Unit Containerised design to offer optimal and reliable shore charging for vessels utilising CCS2. Design, manufacture, testing, installation and commissioning of Shore Power Unit including pontoon charging point.	N/A
2024 - 2025	CTV Offshore Charging System	Tidal Transit	Offshore Charging System for e-Ginny (Electric CTV) 900kW Crew Transfer Vessel (CTV) offshore charging system. Supply of Offshore charging system and vessel adaption & charging system.	DNV(AiP)
2024 - 2025	Electric CTV Conversion	Tidal Transit	e-Ginny: Conversion of CTV to full electric vessel Design, manufacture, testing, installation and commissioning of Integrated Automation & Machinery Control System for electric CTV	MCA
2024 - 2025	PMS & IAMS	CSM (InkFish)	Research Vessel : RV Dagon PMS Upgrade Design, manufacture, testing, installation and commissioning for Propulsion Drive, Power Management system and Integrated Automation & Machinery Control System upgrade.	ABS

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2025	PMS Upgrades	Stena Line	PMS Upgrades: Stena Scotia & Stena Hibernia Retrofit of the Power Management System (PMS) on both vessels. The existing system, which includes a standalone PLC, automatic synchronising devices (ASD), and power controllers (PWC) as its main components, will be replaced with modern DEIF Power Management Units.	LR

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TECHNOLOGIES**



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