



## Lloyd's Register Approved Service Supplier

**Supplier** Marine & Industrial Solutions LLC  
**Address** ,PO Box No. 52421, Unit No. 139 A & B, DMC,, Dubai, United Arab Emirates  
**Contact Details** E-mail : safety@mi-solutions.com  
**Contact Number** Tel. No. : +971 50 785 7320

The above company having been assessed hereby receives approval in accordance with the requirements of Lloyd's Register Procedures for Approval of Service Suppliers as Supplier from the address(es) listed above for the provision of

<b>Inspections And Maintenance Of Fire-Extinguishing Equipment And Systems</b>
Inspection and maintenance of Fixed Fire extinguishing System (Co2, Foam, Deluge, Sprinkler and water-mist system), Portable Fire extinguishers, Fire detection and Alarm systems - Annual, Periodical and Five-yearly
<b>Servicing Of Inflatable Liferrafts, Inflatable Lifejackets, Hydrostatic Release Units, Marine Evacuation Systems</b>
Inflatable Liferrafts Servicing Only of Following Types Manufacturer: SEAMAN Models: DFN-T6,10,15,16,20,25 DFN-D 15,16,20,25
<b>Inspections And Maintenance Of Self-Contained Breathing Apparatus</b>



## Lloyd's Register Approved Service Supplier

<b>Service Of Immersion Suits, Thermal Protective Aids, And Chemical Protective Clothing</b>

<b>Hydraulic Tests Of Low And High Pressure Cylinders</b>
Hydrostatic test of low and high pressure cylinders upto maximum Pressure of 600 bars

<b>Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear</b>
<p>Service Supplier's personnel are certified in accordance with manufacturers' established certification programmed and in accordance with a recognized national, international or industry standard – ISO 23678. The service supplier is authorised to work on the makes and types shown in the attached appendix A.</p> <p>This Service Supplier has been approved to service the equipment in accordance with IMO Resolution MSC.402(96), as amended.</p> <p>Service engineers are to be provided with a valid Certificate, issued by this Approved Service Supplier, which defines their level of qualification and the scope of the certification (i.e. makes and types of equipment and specifically state which activities (e.g. annual thorough examination and operational tests; 5-year thorough examination, overhaul; overload operational tests; repairs) are covered by the certification). This Certificate should be made available when requested.</p>

This approval is conditional upon the Supplier maintaining the documented scheme as audited by any member of the Lloyd's Register Group and hereby approved; and notifying Lloyd's Register in writing of any change to that scheme including any change in personnel, equipment or procedures. This certificate is issued to the Supplier and, subject to the Supplier complying with the necessary conditions, is valid to the date referred to above.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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## APPENDIX A

Office: **Dubai**

Date: **03 December 2025**

This Certificate is issued to Marine & Industrial Solutions LLC.

The service supplier has been approved to service the following equipment in accordance with MSC.402(96), as amended.

**A. Certified in accordance with manufacturer's established certification program:**

<b>SURVIVAL CRAFTS, RESCUE BOATS, DAVITS, WINCHES &amp; RELEASE GEARS</b>	
<b>MANUFACTURER</b>	<b>TYPE / MODEL / SERIES</b>
<b>Qingdao Behai Boatbuilding co.,ltd</b>	<p>Lifeboat -Totally Enclosed Model:BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8</p> <p>Lifeboat -Freefall Model:BH-F6.0, F7.0, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A</p> <p>Lifeboat -Rescue Model:BH-R4, R4S, R4SA, R5S</p> <p>Davit- Gravity Pivot Model:BD-PV50, PV60, PV60S, PV85, PV125</p> <p>Davit- Freefall launching Model:BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85</p> <p>Davit- Single arm Model:BD-SA14, 14A, 14B, SA21, SA23, SA30, 30A, SA33, SH23</p> <p>Winch Model:BW-H(L/R) 31S, 50, 63, 75; L(L/R) 75, 125;SC14; 21</p> <p>Release Mechanism- Gravity lifeboat Model:BG-3, 3L, BG-7; BH-HOOK3, HOOK5, FS7, FS7</p> <p>Release Mechanism- Freefall lifeboat Model:BG-3.5F, 4F, 4.5F, 4.5FL, 5F, 6F</p> <p>Release Mechanism- Rescue boat Model:G-2R, 15KNXS, 25KNXS, 35 KNXS</p>
<b>Jiangyin Wolong F.R.P Boat co.,ltd</b>	<p>Lifeboat &amp; Rescue- Totally enclosed lifeboat Model:JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80CA/FA, JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102C/F, JY117C/F</p> <p>Lifeboat &amp; Rescue- Freefall lifeboat Model:JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF</p> <p>Lifeboat &amp; Rescue- Rescue boat Model:JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR</p> <p>Lifeboat &amp; Rescue- Partially enclosed lifeboat Model:JY70P, JY80P, JY85P</p> <p>Lifeboat &amp; Rescue- Open type lifeboat Model:JY45KR, JY55R, JY65K, JY70K, JY75K, JY80K, JY85K</p> <p>Davit &amp; Winch- Gravity luffing arm type davit Model:JY-LE14, JY-LE65, JY-LE85, JY-LE100, JY- LE150</p>

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

	<p>Davit &amp; Winch- Launching appliance of freefall lifeboat Model:JY-FH55, JY-FH70, JY-FH90, JY-FH155</p> <p>Davit &amp; Winch- Platform davit Model:JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY- PL215</p> <p>Davit &amp; Winch- Single arm boat / raft type davit Model:JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY- SR33S, JYSAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JYFCR2305</p> <p>Davit &amp; Winch- Rescue boat davit Model:JY-PLR21, JY-LFR27, JY-LRHE18, JY-LRHE30, JY-LRHE70, JYLFR35, JY-SAP14, JY-SAP30</p> <p>Davit &amp; Winch- Gravity overhead rolling type davit Model:JY-HE70, JY-HE95, JY-HE120, JY-HE155</p> <p>Davit &amp; Winch- Telescopic boom type davit Model:JY-TBD 120, JY-TBD215, JY-TBD 35</p> <p>Davit &amp; Winch- Hydraulic luffing arm type davit Model:JY-GYE70, JY-GYE95, JY-GL120, JY-GL185</p> <p>Davit &amp; Winch- Connecting rod type davit Model:JY-GL70, JY-GL95, JY-GL120, JY-GL185</p> <p>Davit &amp; Winch- Winch Model:JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JYSAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70 JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY- DP110S/Z, JY-DP150S/Z, JY-DP185, JY- DP215</p> <p>Release mechanism- Release mechanism of lifeboat / rescue boat Model:HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS</p>
<p><b>Ningbo Asia F.R.P Boat Manufacturing co.,ltd</b></p>	<p>Rescue boat Model:YZ4.5, YZ4.5S, YZ4.5SA, YZ60RB, BJ-4.5, YZ60RA, YZ50C, YZ50F, YZ65F, YZ65CS</p> <p>Totally enclosed life boat / rescue boat Model:YZ65FS, YZ75C, YZ75F</p> <p>Free fall life boat Model:YZ49FC, YZ49FF, YZ59FC, YZ59FF, YZ60FC, YZ60FF, YZ675FC, YZ675FF</p> <p>Gravity luffing arm davit Model:L25, L50, YZL-55, L65, L65S, LE85-1</p> <p>Electrical Lifeboat/Rescue boat Winch Model:DS25, DZ25, DS40, DS/Z40, YZD-42S, YZD- 42Z, DS58, DZ58, D50S, D50Z, D63S, D63Z, ZF21/15, DZ14, ZF21 DZ14</p> <p>Single Arm Rescue Boat/Life raft Model:ZF23/15, DZ14, ZF23 DZ14</p> <p>Boat Launching Appliance &amp; Crane ZF33, DZ25, B21/14, B21/14-2.5</p> <p>Free Fall life boat launching appliance Model:YZF55, YZF70</p> <p>A Type davit Model:YZ-A30, YZ-A30D</p> <p>Release Mechanism Model:HK40, HK40B, YZHK40, YZHK40S</p>
<p><b>Zhejiang Hengxin Ship Equipments Co.,Ltd.</b></p>	<p>Lifeboat Model:BCC, BCF, BCFC, BCFF</p> <p>Rescue boat Model:GJ, FRH, RH</p> <p>Release Mechanism Model:HK</p> <p>Davit Model:FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN</p> <p>Winch Model:DZB, D, DW</p>

<b>Oriental Inspection &amp; services CO., LTD</b>	<p>Hinged Gravity type davit &amp; winch Model:DAVIT- HGD, HGK, SHS, RTD, DHA, DMA WINCH- BWE, SWE, WL</p> <p>Free fall davit &amp; winch Model:FD, WL</p> <p>Rescue / liferaft davit &amp; winch Model:RD, RDW</p>
<b>Vadyar Boats PVT Ltd</b>	<p>Lifeboat Models:VB 9.2 mtr 70 persons totally enclosed fire protected lifeboat ,VB 8.5 mtr 60 persons totally enclosed lifeboat ,VB 7.7 mtr 47 persons Open lifeboat ,VB 7.5 mtr 50 persons capacity partially enclosed lifeboat</p> <p>Rescue Boat Models: VB 4.7 mtr 9 persons fast rescue boat ,VB 4.5 mtr 6 persons rescue boat</p> <p>Launching Appliances Model: VB 10 Tons davit &amp; winches ,VB 10 Tons single arm davit &amp; winches</p> <p>On load release gears Models:VB lifeboat on-load release gear (Safe working load 6 tons),VB rescue boat on-load release mechanism (Safe working load 1.3 tons)</p>

**B.Certified in accordance with a recognised national, international or industry standard – ISO 23678:**

<b>SURVIVAL CRAFTS, RESCUE BOATS, DAVITS, WINCHES &amp; RELEASE GEARS</b>		
<b>MAKE</b>	<b>TYPE / MODEL / SERIES</b>	
A TECH	DAVIT	AT-LRD-series
	WINCH	AT10-LRD-series, TBE-series, TR-series
ABAS	DAVIT	KDE-series, MDE-series
ACEBI	DAVIT	TPF-series,A-series, AF-series, PF-series,PFR-series, RRP-series, TPU- series,TPF-series, TPU-series,GRA-series,SPG-series,TPC-series
	LIFEBOAT	PELB-series,TELB-series
ACOIN	DAVIT	R18700-series
	WINCH	BE-2-series
ALEXANDER RYAN	DAVIT	BH-series
ALEXANDER WELIN	WINCH	AIW-series
AMBAR MARINE	LB/ RB / FRC	AM420-series
ARIM	DAVIT	AREH-series, ARPV-series, ARPV-series, AHA-series
AUKRA MARITIME AS	DAVIT	HRT-series
AVON	LB/ RB / FRC	RB-series, SR-series
BADA HEAVY IND. CO., LTD	DAVIT	BDF, HDFL, BFOD, BDR, BLR, BDA, BDFA,BFRD,BDTD,TT,BDTW,BDH, BDMS,BDTD,HDL,BDHP,BHI-RLD, Hinged Gravity Series
	WINCH	BDF-series, BLW-series, BRW- series, HDF-series, BA-series, BM-series, ELEC. MOTOR DRIVEN-series, BDTW-series, BMW-series, BW- series, BWR-series, BHI-EHW-series, BLW-series
	RELEASE GEAR	BD-LH, BHA, BHR25S-series
BALDEN	LB/ RB / FRC	BD-FFC-series, BD-FFT-series, BD-LBC-series, BD-LB-series
	RELEASE GEAR	BD-LBH, BDHR-series
BIANCHI & CHECCHI	DAVIT	PE-series, PET-series
	RELEASE GEAR	U HOOK, U-ARH 3.5T-series
BEIYANG BOATBULDING CO.LTD	LB/ RB / FRC	20 TECB-series, PE-series
BOPP TREUILS JEB	DAVIT	BHD-series
	WINCH	BHP 4200-series
BREVINI	WINCH	BWC-series, BWF 025-series, PWD-series, W381-series
BROOKER (SURVIVAL SYSTEMS INTERNATIONAL)	LB/ RB / FRC	CA-series
BRYNE MEKANIKK AS	WINCH	H02D1D-series
COASTAL MARINE EQUIPMENT, INC.	DAVIT	D-series
	DAVIT	CDT 7000-series
	WINCH	BWF1500-series
CASTOLDI S.R.L.	LB/ RB / FRC	JET TENDER 18 RB-series
CHANG SHENG	RELEASE GEAR	35KN-series
CRANSTON EAGLE	RELEASE GEAR	APR-356- CB/CBH-series
	DAVIT	SAFC-series

CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD	WINCH	SAF-series
	LB/ RB / FRC	YHFP-series
DAELIM TECHNOLOGY CO. LTD. ( HYUNDAI)	DAVIT	FF-740-series
DAE JIN CO. LTD	RELEASE GEAR	THP-1B-series
DAVIT INTERNATIONAL	DAVIT	D-FH,DTF,D-FO,D-AC,D-BR,D-CR.R,D-CRH.R,C-CRM,D-FOS,D-RC,D-SR,D-BC.R,D-CRE.R,D-NPS.FR,D-NPS.MP,D-NPS.SP,D-FP.R,D-TTS.SP,D-TTS.R,DTT,D-RT,D-NP,D-SP Series
	WINCH	01KN-series, 02KN-series, 03 KN-series, 04KN-series, 07KN-series, 06KN-series, 12-series, 40-series
	RELEASE GEAR	OLH, RH-series
DENIZSAN	DAVIT	DRM-FFD, DSFDD, DRBD, DRBLRD, DSRBD, DSFRB,DSRB Series
	WINCH	MTV1-series
DINAMIC OIL	WINCH	DRM-FHW / RW-series
DAFER (NARWHAL)	LB/ RB / FRC	FRB-series, FRB 700-series, FRB 900-series, SV-series
DELTA	LB/ RB / FRC	COMET-series, PHANTOM-series
DONGNAM ENTERPRISE.,CO LTD	DAVIT	DLB-series
	WINCH	HLW-series, DSAD-series, DRBD-series, DRBLRW-series, DBD-series, LW-series
DONGNAM MARINE CRANE CO.,LTD.	DAVIT	DCPV-series, DNRD-series, DRBLRD-series, DRLD-series, DSAC-series, DSAD-series,DHGD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	DAVIT	DBD-series, DWS-series
DSB ENGINEERING CO LTD	DAVIT	DRM-FFD-series, DSBDP-series, DSBDR-series, DSBRH-series, DSBDP-series,DSBDYL-series
	WINCH	DRM-HW-series
	LB/ RB / FRC	DSBRA / RB-series, DSBF-series, DSBC-series, DSBR / RA / RB / RB-series, NPT- R-series, DSBP-series, DSBC-series, DSBB-series
DSB DEUTSCHE SCHLAUCHBOOTE	LB/ RB / FRC	IRB-series
EO LIFESAVING	DAVIT	CH-52-series
	WINCH	W-series
ESVAGT	LB/ RB / FRC	ALU 460 F-series
FASSMER/ FASSMER MARLAND	DAVIT	FFH-FLR, FSARR, FPD,FMPD series, FFH-series, FPD-D-series
	WINCH	DEW-series, FFWH-series, FDW-series, D-series
	LB/ RB / FRC	FRR-series, CL-series, CLR-T-series, CLX-series, DRAGON-series, T-GMR-series, CL-P-series, PLL-series, PLT-series, SEL-series, FRIR-series, RR-series, CFL-series, GAR-series, GAR-T-series, CL-series, CLR-C-series, CLX-series, GMR-series, RR-series, CLR-T-series, DRAGON F-series, HH-T-series, CFL-C-series, CFL-T-series, CLR-C-series, DRAGON C-series, HH-C-series
	RELEASE GEAR	DUPLEX < 6.6T-series, DUPLEX > 6T-series, FFH, F-Series
FERRI	DAVIT	1872 TN-series
	WINCH	1702 TN-series
	RELEASE GEAR	1488-series
FUKAYA MANUFACTORY THE HAKODATE DOCK CO.,LTD	LB/ RB / FRC	HL 73-series
GEPa	LB/ RB / FRC	G-FRB-series, GFK-FP-series, G-FYK-series, G-RB1-series, G-FFF-series, G-FK-series
	RELEASE GEAR	G-FFRM-01, G-K, -series
GILBERT & SCHMALRIEDE. GMBH & CO. KG	DAVIT	PJ1385-series ,PJ-1386-series
GREBEN	DAVIT	HFF, FOD, PROMAC 12/4.2 EL, RLC, SAR, GR-RTD, SPG, GD-PD, HD, GD-FFD, GD-KHK, GD-RRS
	WINCH	EW-2-series, PROMAC 12/4.2 EL-series, HW-series, CW-series, EW-series
	LB/ RB / FRC	PEL-series, TEL-FP-series, RB-series, FFL-series, TEL-series
	RELEASE GEAR	NLH-series
GLOBAL DAVIT	DAVIT	GSP.O, RSP.O, FHS, FHS.L-series, FHS.R, FHS.R.L,FHS.R.L.S, FHS.R.S, FHS.S, LMES.Ss,LML-, LMS, LMS.S- , RHLs, RHPs, RHS, RHS.L, RHS.L.S-, RHS.S, RMES.L.Ss, RMES.S, RML-, RMSs, RMS.Ls, RMS.L.S,RMS.S- ,RHPs, GSP.RT RHP.HC,GLP.RT, GLP.FP, GLP.MP, GSP.FP, GSP.MPGLP.FLH, GLP.FPH, GSP.FLH, GSP.FPH, RHL, RHP-

	WINCH	W01KN-series, W02KN-series, W03KN-series, W04KN-series, W08KN-series, 02H.06.01-series, W05HC-series, W08HC-series, WS-series, 04KN-series, 14KN-series, 20KN-series, 26KN-series, W07KN-series, W10KN-series
	RELEASE GEAR	HRL, HRL 26, HRN, HR-series
GURDESAN	WINCH	GD-FLW-series, GD-HC-A-series, GD-KV 35-series
HAEAN MACHINERY IND. CO. LTD.	DAVIT	HED-PC-series, HHD-PC-series
	WINCH	HMI-series, HHD-PC-series
HANYOUNG ENTERPRISE	DAVIT	RESCUE BOAT DAVIT-series
PALFINGER (HARDING, ACTA, NDM, NOREQ,NOR DAVIT,(UMO SCHAT HARDING))	DAVIT	FF, LA, HD-FL, LAR, SAR, SRR, SA, GRA, HD-RT, HD-SPG, HD-VIP, SPG(VL), SPD, FFB, MOB,SPR, FFB, NT, NPD, SPG(L), NPDS, LA, NTD,ND,WRG, DC, DR, HSC, HSC,NPT-DF, FF, FPG, PFHS, SCH-R, SCM-L, SCM-R, NPT, NPD, VIP, FFFDA,SPR, FR.P.SP, FFH, FPG, SCH, SCM, SCT, SEC, PFH, PRH, PRHE, PL, PL, SDP, NRD, SCH, SCH-R, SCHD, SCM-L, SCM-R, NPD
	WINCH	HD-series, MW-series, CW-series, 16EB / EBR-series, BE 7.5-series, 08-02-series, FM 194-series, FME-series, EW-02-PL-series, 2-22-13-series, BE-series, W-series, MW-series, NW-series, 04-series, NW-series, HWCT-series, 15-series, SP-series, KNT-series, 16 EV-series, 24EPB-series, NW 1800H-series, CW-series, W-series
	LB/ RB / FRC	HARDING-LBF-series, CTL-series, ML-series, MPC-series, MOB 4.5A-series, FF-series, MCF-series, MCB-series, MCM-series, MC-series STINGER 630-series MOB 17-series, TECB-series, LBT-C-series, LBT-T-series, MOB-series, MOBAC-series, PELB-series, PERB-series WFF-series, MK 1-series, MK 2-series, MK 3-series, MK 4-series, MK 5-series, NMD 4.40 RESCUE-series, NPT-series, PN85F-series, LBP-series, LBT-series, FRB-series, RRB-series, LBF-series, FRSQ-series, CTL-series, MPC-series, NPT-T-series, RSQ-series, FF-series, NPT-FC-series, NPT-FF-series, KISS-C-series, NPT-F-series, KISS-T-series, NPT-C-series
	RELEASE GEAR	FFH, RRH, CAR, KH6.5M2, LHR M Series2, ARH, -series, JXN-3-series, NPT-series, RRRH-Series
HATECKE (ERNST HATECKE)	DAVIT	FFAGSP, FFB, DFR, GSP.FP
	WINCH	07.02.08-series, FFA-series
	LB/ RB / FRC	GSL-T-series, FRB 600-series, PEL-series, PL-series, RB-series, GSL-T-series, GFF-series
	RELEASE GEAR	SIMPLEX 2.0I OFF LOAD-series, DUPLEX < 6T-series, DUPLEX > 6T-series, GFF, RAFTI 2.5, SIMPLEX
HAVØYSUND PATENTSLIPP AS	DAVIT	POLARDAVIT-series
HOLEN AS	DAVIT	KOPAS A-1000-series
HYDRALIFT	WINCH	SP-series
HYDRAMARINE	WINCH	23B35T22-series
HYDRAMASKIN	DAVIT	A-15-series
HLB ( HYUNDAI LIFEBOATS)	LB/ RB / FRC	HDF25T-series, HDFL740F-series, HDFN-F-series, HDFN-T-series, HDL-series, HDL-CF-series, HLB-series, HDL-series, HLB-series, HT78-series, HDFS-series, HDR-series
	RELEASE GEAR	TALON II-series, TALON MK 1-series, TALON MK 1, TALON 4.6T-series
HOEI SENPAKU CO.,LTD	LB/ RB / FRC	HS-series, HS650F-series, HSF-series
	RELEASE GEAR	HS-series, HS520 96-series, HS650 96-series, HS520 83-series, HS650 83-series
HENRIKSEN	RELEASE GEAR	HCH-series, HMK-series
IHI MARINE UNITED INC	DAVIT	MUL-series
	WINCH	MUW-series
	LB/ RB / FRC	G-series, GT-F-series, GTC-F-series, GTR- JYF-series, GTC-series, GTC-C-series
	RELEASE GEAR	JX-1-series
IKNOW MACHINERY (TSUJI HEAVY INDUSTRIES)	DAVIT	HD-series, RP, T83, TC, H, T series
	WINCH	EB-series, TC-series, OAP Series
IMT CO., LTD	DAVIT	ILR-series
	WINCH	ILR-W-series
INI HYDRAULIC	WINCH	IYJ2.53-39—57-16-ZPN-series
JAPAN MARINE UNITED CORP.	DAVIT	MUFJ-series, MUR21J
	WINCH	JYR-21-series, MU-series
	LB/ RB / FRC	MU-GJ-series, MU-FN-series, GF-series, GTR-JYF-series
	RELEASE GEAR	JX-3-series, JX-2-series

JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	DAVIT	JYF, JYP, JYR, JYA, JYGR, JYL, JYHG, JYRH- Series,
	WINCH	FW-series, JYA-series, JYRZ-series, JYW-series, JYWP-series
	LB/ RB / FRC	GJ-series, GTR-JYF-series, JY-QFN-series, JY-QFP, JY-BF, GJ-series, JY-FF, JYM-FF-Series, JYM- FN-Series, JY-QFN-Series, JY-FN-Series
	RELEASE GEAR	JX-1-series, JX-1B-series, JX-4- series, JXN-1B-series, JXN-1C- series, JXN-7-series, JX-2-series, JXN-3-series, JX-2-series, JX-4-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	DAVIT	NPT 60 DL, NPT-DF, NPT-DP, NPT-PL, NPT-DR, NPT-BE, NPT-ARH, NPT-DL, NPT-DYL
	WINCH	NPT-DW-series, NPT-DS-series, NPT-DW-series, NPT-DW-B-series, NPT-HW-series
	LB/ RB / FRC	NPT-RA-series, NPT-F-series, NPT SC-series, NPT-P-series, NPT-PT-series, NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series, NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series, NPT-C-series
	RELEASE GEAR	NPT-50-series, NPT-HAN-series, NPT-HK-series,, HK-F, HK-R NPT70HKF-series, NPT-HKC-series, PN-HKC-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	DAVIT	JY-FH, JYPL, JYSA, JY-LFR, JY-LHRE, JY-PLR, JYHE, JYLE
	WINCH	JY-D 23Z-series, JYD-series
	LB/ RB / FRC	JYK-series, JYF-series, JYFA-series, JYFB- series, JYP-series, JYDR-series, JYKR-series, JYCF-series, JYFF-series, JYC-series, JYCA-series, JYCB- series
	RELEASE GEAR	HK-series, JX-1-series, LB80MR- series, FHK, LB80MR
JIANGYINSHI BEIHAI	DAVIT	FA, PD, SA, SMR, EHRD, FRH, SRH, HB-H, RB-H, BH-G, LA, LB-H, BHGH
	WINCH	DZ-series, DS-series, DW-series, JYBW- series, DZ-series
	LB/ RB / FRC	JYB-G-series, JYB-Q-series, JYB-K-series JYB-B-series JY-BR-series, JYB-KR-series, SC- K-series, SC-KR-series, JYB-FC-series, JYB-FF-series, JYB-C-series, JYB-F-series
	RELEASE GEAR	JYB-HK-series, JYB-HKF-series
JUNG-A-MARINE CO., LTD	DAVIT	PCRLC-series
	WINCH	PCRLC-series
JIANGYIN XINJIANG	LB/ RB / FRC	GJ-series, GJ- B-series, JY-FN-series
KANG NAM. CORPORATION	LB/ RB / FRC	GTB-series
KGW SCHWERINER MASCHINENBAU GMBH	DAVIT	RB-series
KCL (KOLBERG CASPERY LAUTOM A/S)	RELEASE GEAR	NOA LRRS-series
KYORITSU KIKAI	DAVIT	LAF-MUF68-series
LALIZAS	RELEASE GEAR	LAR 36-series
LSA SERVICE GMBH	RELEASE GEAR	LSA-H2,1-series
MACGREGOR (TTS) (HYDRAMARINE)	DAVIT	G-TYPE-, HMD A32 MK3, A-TYPE, HLD, HMC, HMD, T-TYPE
	WINCH	HMW-series
MADROCK	RELEASE GEAR	ROCLOC-series
MANSEI	DAVIT	D-FH, FE, MFH, R, RD, SAR, SR, HER, AT, GRA, ABD, AH, AV, CM, EH, EM, M -Series
	WINCH	ERW-series, MLW-series, RMW- series, SW-series, AW-series, CMW-series, EW- series, MW-series, 06KN-series, FW-series, FBW-series, MW- series
	RELEASE GEAR	RH-series, RH3-series
MENAROM SA	DAVIT	CMPS 21-series
	WINCH	CMPS 21-series
MIURA MACHINE CO.,LTD (MIURAVIDER) (MANSEI)	DAVIT	MVD-series, SPG(VD)-series
	WINCH	LBH-series, RBH-series
MARE SAFETY AS	LB/ RB / FRC	GTC 700-series, MS FRB-series, RB-series
MARITIME PARTNERS	LB/ RB / FRC	WEEDO 600-series, WEEDO 700-series, SPRINGER-series, ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE, 770-series, ALUSAFE 900-series, SEA BEAR 23-series, WEEDO 17 SOLAS-series
MJØSUND BÅT & HYDRAULIK	DAVIT	MOB-series
	WINCH	MV-series
MULDER EN RIJKE	LB/ RB / FRC	PELB-series, PTL-series, TELB-S-series, TELB-series
NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	DAVIT	AR14-series, ARL21-series
	WINCH	DB14-series, ARL21-series
NAVIGATION'S	DAVIT	1,1-series, 1.2 LL-series
	WINCH	HWRB 1.2-series
NAVIM GROUP	DAVIT	FDRB, SPDT-L, SPDT-R, SPDT-T, SGHD-L, SPHD-T -Series

NAVIM GROUP (TECNIMPIANTI S.P.A)	DAVIT	NHRB-series
	WINCH	RBEW-series
NARWHAL	LB/ RB / FRC	SV-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	DAVIT	YZF, YZ, ZYDZM L, FH, KR-1, NMF55KN, NMPL, NMSD23KN, NM,NMAR, YZF-series, YZRA-series, YZRB-series, BJ-series, BJ-series, YZ-series, YZFC-series, YZFF-series, YZC-series, NM43R-series, NM45R-series, NM58FF-series, NM59FC-series, NM-series
	LB/ RB / FRC	
	RELEASE GEAR	HK-series, JX-2-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	LB/ RB / FRC	FRP-series, CML-series, EML-series, G-AFR- series, G-FR-series, NF-series, NFA-series, PML-series, FF-series, CML-series, EML-series, G-TR- series, G Series, ML Series, F series
	RELEASE GEAR	IHM 12-series, IHM 13-series, NS- series, F-series, ML-series, SR-series
NORMAR (NORWEGIAN MARINE EQUIPMENT)	LB/ RB / FRC	FRC-series, NORMAR-RESCUE 425-series,RESCUE 425 / 500-series, FREE FALL 4.9 TO 8.5T-series, TELB-series
	RELEASE GEAR	JX-4-series, JX-2-series, JX-4-series
NMF	DAVIT	BPK-series, KD-series
ORIENTAL PRECISION	DAVIT	FD, RD, SHS, RTD, DHA, DMA, HGD, HGK, SHS
	WINCH	WL-series, BWE-series, SWE-series, RDW-Series
PELLEGRINI MARINE EQUIPMENT	DAVIT	CHCD 2,507+ RLC 2.1/4.5-series, RLC-series, GRA
	WINCH	RLC-series, VAS 45 E-series
OY FISKARS AB	LB/ RB / FRC	TELB-series
PESBO S.A	LB/ RB / FRC	BSL-series, BSC-series
	RELEASE GEAR	BSL-series
OPTIMUM MARINE	RELEASE GEAR	31-37KN-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	DAVIT	BD-FF, BD-PL, BD-SA, BD-SH, BD-AR, BD-PV, BD-PV, FA, RBD
	WINCH	BW-SC-series, BW-H, L-series, BW-HR-series, BW- LL-series, YSB/INI/BJM Hydraulic Series
	LB/ RB / FRC	BH-series, BH-HR-series, FRB-series, BH-R-series, BH-F-series, BH-E Series,
	RELEASE GEAR	BG, BGF, BG2R, BH, FS , WUXI XS, JIMO CS-series,
REDROCK	DAVIT	RDA-series, RDT
SEC (SHIPS EQUIPMENT CENTRE)	DAVIT	HP2, HS, MS, SP3-series
	WINCH	WL-series
SEKIGAHARA	DAVIT	SF, SJS, AT, STS, SFA, SFB, SFP, SHS, ST, SH, SSS, SFS, SFC, SFD, SJS, SJR - Series
	WINCH	SNW-series, SWE-series
SEKWANG MARINE MACHINERY CO, LTD	DAVIT	RBD-series, SINGLE ARM SLEWING-series
	WINCH	RBW-series
SERVO SHIP S.L	DAVIT	FFR-20-series, PR4M1100HR-series
	WINCH	FFRW 4500KG-series
	RELEASE GEAR	200-series
SEZAMOR	DAVIT	ZZ-ZOL-series, ZZ-ZOT-series
	RELEASE GEAR	HS, HLR-series
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	DAVIT	FH-series, SAFC-series
SHANGHAI JIANGNAN	LB/ RB / FRC	JN-FC-series
SHEYANG VICTOR MARINE AUXILIARIES CO., LTD	DAVIT	21 KN-series
	WINCH	14 KN-series
SHIN MYUNG TECH	DAVIT	SMLRD, SMRB&PVH, SMRB&LR, SMRBD&LSW, SMLRD-LSW FT-series, SMRBD-SD-series, SMRB & LR-NLSW
SPP SHIPBUILDING CO LTD.	DAVIT	SBD-5800-series
	WINCH	W-5800A-series
STOCZNIA USTKA SP. Z O.O.	DAVIT	HZ-series, PZ-series
	LB/ RB / FRC	FFB-series, FRB-series, Z-series, R-series, RIB-series
SURVIVAL SYSTEMS INT	DAVIT	PL-series
	WINCH	W-series
	LB/ RB / FRC	FRB-series, CA-series
	RELEASE GEAR	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series
SHIGI SHIPBUILDING CO. LTD.	LB/ RB / FRC	SZGM-series, SZGO-series, SZTR-series, FRP-series, SZP-series, SZPR-series, SZRS-series, VOX46-series, FEL-series, GARS-series, SZBR-series
	RELEASE GEAR	SRS, SZK25M, SZK 30, SZK-5, WP39,
SURVITEC (SCI)	LB/ RB / FRC	FF-series, SC60RA-series, SCFA-series, FF-series, SCFA-series

	RELEASE GEAR	SAFELAUNCH-series, SLA 3.5-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	DAVIT	55KN-series, 21KN BOAT/RAFT DAVIT-series
	WINCH	21KN-series
TECH FLOWER CO., LTD.	DAVIT	H1PC-series
TECHNIMPIANTI S.P.A	DAVIT	FRB-series
	WINCH	HW-series
T-ISS	RELEASE GEAR	21-25 KN-series, 31-37 KN-series
T-ISS BV	RELEASE GEAR	PX02-series, PX01-series, PX03-series
THANNER & CO AS (NORPOL)	RELEASE GEAR	ILR-series, IRB-series
TMA	WINCH	TN/MW-series
higi	DAVIT	RP, T83, TC, H-series
	WINCH	TC-series, EB-series
TTS (HYDRALIFT )	DAVIT	HL-series, HL9D-series
TSUNEISHI	LB/ RB / FRC	TL-TE-series, FP-series, KL-TE-series, KL-FP-series, TE-series
	RELEASE GEAR	43GS-1-series
ULSTEIN FAMA (FAMA GNIEW)	DAVIT	ZO-series, ZT-series
	WINCH	ER10B-series, ERM-series, WLZ43C-11-series
VANGUARDE	DAVIT	PL, HSD, MSD, VSD, DH, PR, PRH, LE, VL, PFH, SRH-series
	LB/ RB / FRC	VG-DRS-series, VG-KR-series, VG-FRK-series, VG-FRW-series, VG-C-series, VG-F-series, VG-HLB-series
	RELEASE GEAR	C-SAFE-series, SH-series
VALIANT	LB/ RB / FRC	RB-450-series
VERHOEF	DAVIT	FL-series
	WINCH	FL 50-series
	RELEASE GEAR	TWISTLOCK-series
VESTDAVIT	DAVIT	PLA, P, PAP, PAPH, PL, L, PLAR, PLD,PLI, PLP, PLR, TBD, -series
	RELEASE GEAR	LB-series
VIKING (NORSAFE)	DAVIT	SW, A, C, D, NDC-R, NDA, NRB,E, LH, NDSC, HD, -series, NDA-series
	WINCH	W-series, HYD-FF-series, NW-series, HYD-FF-series, A2FM45-61A-series, ZHP-series, ZR-series
	LB/ RB / FRC	470 GRP, MAGNUM, MAKOs, MERLINS, RR-40, MINIMA, GES, MATRIX, JYN-MKIs, JYN-T-series, MAGGIE-Ts, MATILDA-T, MAUD-T, MAXIMA- T, MIRAM-T, MINIMA, MAKO, MERLIN, MIDGET-series, GES-series, MINIMA-series, MAKO-series, MERLIN-series, MIDGET-series, JYN-F-series, JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM- C-series, JYN-MKI-series, JYN-T-series, MAGGIE-T-series, MATILDA-T-series, MAUD-T-series, MAXIMA- T-series, MIRAM-T-series, MATRIX-series
	RELEASE GEAR	NADIRO D.I.B-series, TOR MK 1-series, TOR MK 2-series, VIKING 1.6-series, GES-series, HRS-series, NFFH- series,K4-series,RCH 36-series, TOR MK 2-S/6 TON-series
VESTVINSJ	WINCH	A-273-7-series, BW-series
VEB SCHIFFSWERFT RECHLIN/MURITZ	RELEASE GEAR	GAL-series
WELIN LAMBIE	DAVIT	LRW , F55-F70, 21-35KN,NPT 100F, DCW 210, 25KN -30KN,18KN-110K, SARBE,A30/H35, PIV.1.0A-series-
	WINCH	5619-series, 9502-series, PIV.1.0A-series, RBW-series, 53-series, 55-series, 97-series
WUXI HAIDELONG MARINE EQUIPMENT CO., LTD.	DAVIT	HDFL-series, SA-series
	WINCH	SA23-series
WUXI HAIHONG BOAT MAKING CO., LTD	DAVIT	23KN-series
	LB/ RB / FRC	GJ-series, HH-T-series, HH-TS-series, BH-series, BJ-series, HH-C-series, HH-CS-series, HH-FC-series, HH-FF-series
	RELEASE GEAR	HH43-series
WUXI DONGWU	WINCH	DS/Z-series, DZ-series
WUXI HUAHAI	DAVIT	PD, HMD,21-32-M, HMDA, HMD 60-85-110-series
	WINCH	HMW-series
WUXI HUAHUAI MARINE EQUIPMENT LIMITED CO. LTD	WINCH	MW-series
WUXI JIANGNAN MARINE EQUIPMENT CO., LTD	DAVIT	ZFQ-series
WUXI SHENGOU	DAVIT	S MDF, SMC, SMD, HMDA, SHMDL-series

WATERCRAFT (WATERCRAFT HELLAS)	LB/ RB / FRC	4.9M-RB-series, MK 5-series
WATERMAN OY	LB/ RB / FRC	365-series, 367-series, 391- series, 393-series, 351-series, 366-series, 366HRL- series, 368-series, 371-series, 371HR-series, 377-series, 379-series
WHITTAKER	LB/ RB / FRC	CA-series
WILLIAMS	LB/ RB / FRC	505 SOLAS-series
WORKRIBS HOLLAND BV	LB/ RB / FRC	WRH 635 FRB-series
WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	RELEASE GEAR	21-37KN-series, 250T 25-series, 15KN-series
WUXI WENJIAO	LB/ RB / FRC	BH-series, BJ-series, WJ-series, WJ-RA-series, WJ-RB-series, GJ-series, WJFF-series, WJFFC-series, WUXI WENJIAO / WJFFC-series, WJBC-series, WJBF-series
	RELEASE GEAR	HK-series
WUXI XINGSHENG	RELEASE GEAR	21KN_23KN_25KN_35KN-series, XS-series, 15KN-series, XS15-series
YILMAZ DENIZCILIK	DAVIT	YDGS-series
	WINCH	YDGS 10-series
	RELEASE GEAR	YDGS-series
YOUNGNAM MACHINERY CO.LTD	DAVIT	YNBD-series
	WINCH	YNBW-series
Z MARINE	DAVIT	ZM ZRB 2500-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	DAVIT	SA23-1-series, LB-series
	WINCH	D-series, DZ-series
	RELEASE GEAR	BCFC-series, BCFF-series, FL-C- series, FL-F-series, BCF-series, GJ-series, BCC-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	DAVIT	YSJ-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	DAVIT	FH-series, SA23-1-series
	WINCH	IYJ4-50-120-20-ZP-series
	LB/ RB / FRC	GJ-series, BCFF-series
	RELEASE GEAR	HK-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	DAVIT	SAF-series, SRH-series, FH, PL, HDCL, SAFC, SAW30, ZF, LE-series
	WINCH	D-series, SAW30-series, D-series, DP-series
	LB/ RB / FRC	YH-FRB-series, YH-DR-series, YH-QFP-series, YH-FRA-series, YH-R-series, YHFP-series
	RELEASE GEAR	SH-series, HK40-series, HK-series
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	DAVIT	MSD-series
	WINCH	DW-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	DAVIT	FH-series, L-series
	LB/ RB / FRC	ZJM-4.0-series, ZJM-FF-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	DAVIT	WME-SAD, WME-LRH35-series
	WINCH	WME-SAD 14-series, WME-LRH35-series
ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	RELEASE GEAR	HK40-series
XTENDERS	LB/ RB / FRC	6.8M SOLAS TENDER-series
ZODIAC (SURVITEC)	LB/ RB / FRC	RIB-series, H472S-series, RIBO-series
ZODIAC HURRICANE	LB/ RB / FRC	H561 PROLUXE-series
ZODIAC MILPRO INTERNATIONAL	LB/ RB / FRC	RIBO-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	WINCH	DZ-series

This Appendix shall be attached to the Service Supplier Approval Certificate LR25429037AS and no signature required as it is issued electronically

Shahroze Abdullah  
Surveyor to Lloyd's Register EMEA

a member of the Lloyd's Register group.