

## Lloyd's Register Approved Service Supplier

<b>Supplier</b>	<b>Techno Fibre (S) Pte Ltd</b>
<b>Address</b>	24 Jurong Port Road #02-01, Singapore, 619097, Singapore
<b>Contact Details</b>	Email: lifeboat@technofibre.com
<b>Contact Number</b>	Tel: +65 6266 1412

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>Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear</b>
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Service Supplier's personnel are certified in accordance with manufacturers' established certification programmed. The service supplier is authorised to work on the makes and types shown in the attached appendix A.

The Service Supplier has been approved to service the equipment in accordance with IMO Resolution MSC.402(96), as amended.

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.

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.

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**Sam Yap**

Senior Surveyor - Marine to Lloyd's Register  
Singapore Pte Ltd  
A member of the Lloyd's Register group



## APPENDIX A

Office: **Singapore**

Date: **07 February 2022**

This Certificate is issued to **TECHNOFIBRE (S) PTE LTD**

The service supplier has been approved to service the following equipment in accordance with MSC.402(96).  
Certified in accordance with a recognised national, international or industry standard – ISO PAS23678:

<b>SURVIVAL CRAFT &amp; RESCUE BOATS</b>	
<b>Maker</b>	<b>Type</b>
ACEBI	TELB Series, PELB Series
AVON	SR-series, RB Series
BALDEN	BD-LB-series
DAFER / NARWHAL	SV-series
DSB DEUTSCHE SCHLAUCHBOOTE	IRB-series
DSB ENGINEERING CO LTD	DSBP-series, DSBRB-series, DSBRFA-series, DSBC-series, DSBF-series, DSBFC-series, DSBFF-series
FASSMER	RR series, CFL-series, CL-series, CL-P series, CLR series, CLX series, DRAGON series, SEL series, PLL series, PLT series, GAR-series, , GMR-series
GEPA	G-FYK-series; G-RB-series; G-FK-series
GREBEN	RB series, FFL-series, TEL-series
HARDING (UMO SCHAT HARDING) (WATERCRAFT)	FF-series, MCB-series, PEL B
HATECKE	PEL-series, RB-series, GFF-series, GSL-series,
HLB (HYUNDAI LIFEBOATS); HLB (EX, HYUNDAI LIFEBOATS) CO. LTD	HDR-series, HDL-series, HLB-series, HDFL-series, HDFN-series,
HOEI SENPAKU	HS-series
JAPAN MARINE UNITED CORP	GF-series, GTR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-series, NPT-FC-series, NPT-FA-series, NPT-FCA-series, NPT-RA-series; NPT-RB-series; NPT-R-series, NPT-RFA-series; NPT-FF-series;
JIANGYIN NEPTUNE	NPT-C-series, SC-series, NPT-F-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYP-series, JY-C-series, JY-CA-series, JYCF-series
JIANGYIN XINGJANG	JY-FN series
MARE SAFETY	RB series
NARWAL	SV series
NED DECK MARINE (PALFINGER)	NPT series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	BJ-series, YZ-series, YZFC-series, YZFF-series, YZC-series, YZF-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	PML-series, FF-series, EML-series
NOREQ (PALFINGER)	RRB-series, LBF-series, LBT-series
PALFINGER	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
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-R-series; BH-F-series,

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.

SHIGI SHIPBUILDING CO. LTD.	SZ series, FEL-series, SZPR-series, VOX46-series,
SURVITEC	FF-series, SC-series
SURVIVAL SYSTEMS INTERNATIONAL	CA-series
TSUNEISHI	TL-TE-series
VANGUARDE	VG-HLB-series, VG-KR-series,
VIKING (NORSAFE)	JYN-series, JYN-C-series, MAUD-C-series, MAGGIE-C-series, MAXIMA-C-series, MINIMA series, MIDGET-series, MIRAM-C-series, JYN-T-series, MAGGIE-T-Series, MAUD-T-series, MAXIMA-T-series, MIRAM-T-series
VIKING (NORSAFE) (JIANGYIN)	MATRIX-series, GES-series
WATERMAN OY	351-series, 377-series, 393-series
WUXI HAIHONG BOAT MAKING CO., LTD	JG-series,
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YH-FRB-series; YH-FRA-series; YH-R-series; YH-QFP-series; YH-DR-series

RELEASE GEARS	
Maker	Type
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BHA-series, BHR-series,
BALDEN	BD-LBH-series, BDHR-series
BC SERVICE	U-HOOK-series
DAVIT INTERNATIONAL	OLH-series, RH-series
FASSMER	DUPLEX-series, DUPLEX <6.6T-series, DUPLEX >6T-series, FFH-series
GLOBAL DAVIT; GLOBAL DAVIT GMBH	HRN-series; HR-series
GREBEN	NLH-series
HARDING (UMO SCHAT HARDING)	FFH-series, ARH 23-series, RRH-series
HATECKE; HATECKE GMBH	DUPLEX<6T-series, DUPLEX > 6T-series,
HENRIKSEN	HMK-series, HCH-series
HLB (HYUNDAI LIFEBOATS); HLB (EX, HYUNDAI LIFEBOATS) CO. LTD.	TALON MK 1-series, TALON MK 2-series
HOEI SENPAKU CO., LTD	HS-series
JIANGYIN NEPTUNE MARINE APPLIANCES CO., LTD.	PNHKG-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	FHK-series, HK-series
MANSEI	RH3-series
NED DECK MARINE	CAR-series
NED-DECK MARINE (PALFINGER)	CAR 35
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD HK	HK-series
NORSAFE	GES-series, TOR MK 2-series,
PALFINGER	, ARH-series, FFH-series, CAR-35F-series, LHR MK 1-series, LHR MK 2-series, RRH series
SEZAMOR	HS-series
SHIGI SHIPBUILDING CO. LTD.	SRS-series, SZK5-series, SZK30-series,
SSI; SURVIVAL SYSTEM INT.	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series
SURVITEC; SURVITEC SURVIVAL CRAFT; SURVIVAL CRAFT INSPECTORATE LTD.	SAFELAUNCH-series
VANGUARDE	S-series, C-SAFE-series,
VERHOEF	TWISTLOCK-series
VIKING (NADIRO)	DIB-series
VIKING (NORSAFE)	TOR MK 1-series, TOR MK 2-series, NADIRO D.I.B-series, K4-series, GES series
WILLIAM MILLS	TITAN-series
WUXI XINGSHENG	XS-series
WUXI XINGSHENG GEAR CASE FACTORY	XS-series

WINCH	
Maker	Type

ACEBI	TBE-series
ALEXANDER WELIN	AIW-series
BADA HEAVY IND. CO., LTD (EX, DAERYUCK MACHINERY)	PWD-series; BDF-series; BLW-series; BMW-series; BRW-series; BA-series; BM-series; BW-series,
DAVIT INTERNATIONAL	02-series, 03-series, 04-series, 12-series, 40-series
FASSMER	FFWH-series
GLOBAL DAVIT	W05HC-series, W08CH-series, WS-series,
GREBEN	HW series, EW series
GURDESAN	GD-HC-A-series; GD-FLW-series
HARDING (UMO SCHAT HARDING)	BE-series, FME-series, CW-series, W-series, HD-series, MW-series,
HARDING (WATERCRAFT)	MW-series,
HATECKE	FFA-series
HYDRALIFT	SP-series
IKNOW MACHINERY	EB-series
JAPAN MARINE UNITED CORP	MU-series
JIANGYIN NEPTUNE MARINE APPLIANCES CO., LTD.	DW-series; DS-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD	JYD-series
MANSEI	SW-series; FW-series; MW-series; CMW-series;
MANSEI INDUSTRY CO. LTD	SW-series, MW-series
NED DECK MARINE (PALFINGER)	04-series; 15-series; HWCT-series;
NOR DAVIT	SP-series
ORIENTAL PRECISION	BWE-series; SWE-series
PALFINGER	CW-series, W series
SCHAT DAVIT COMPANY	BE-series
SEC	WL-series
SEKIGAHARA	SNW-series, SWE-series
SURVIVAL SYSTEM INT.	W-series
TSUJI HEAVY INDUSTRIES	EB-series, TC-series
VERHOEF	FL 50-series
WELIN LAMBIE	5619-series, 9502-series, 55-series, 53-series, 97-series
WUXI DONGWU	DS/Z-series, D/Z-series
WUXI HUAHAI	HMW-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	DP-series
ZOLLERN	ZR-series

<b>DAVIT</b>	
<b>Maker</b>	<b>Type</b>
ABAS	MDE-series, KDE-series
ACEBI	TPF-series, GRA-series, A-series, AF-series, PF-series, SPG-series, TPC-series, PFR-series, RRP-series, TPU-series
ACTA	HSC-series; DR-series, MOB series
ALEXANDER RYAN	BH-series
ARIM	AHA-series, ARPV-series
BADA HEAVY IND. CO., LTD (EX, DAERYUCK MACHINERY)	BDF-series; BDH-series; BDR-series; BFRD-series
BIANCHI & CECCHI	PE-series, PET-series
DAVIT INTERNATIONAL	D-NP-series, D-NPS.SP-series, D-RT-series, D-TT.SP-series, D-BR-series, D-CRM-series, D-SP-series
DENIZSAN	DSFDD-series, DSFRB-series, DSRBD-series
DONGNAM MARINE CRANE CO	DHGD-series, DSAD-series
DSB ENGINEERING CO LTD	DSBARH-series, DSBDF-series, DSBDDL series, DSBDP-series, DSBDR-series, DSBDDL-series, DSBDDL-series, DSB23DRseries
FASSMER	FHD-series, FPD-series

GLOBAL DAVIT	GSP.MP-series, GLP.FLH-series, GLP.FP series, GLP.FPH-series, GLP.MP-series, GLP.RT-series, GSP.FLH series, GSP.FP-series, GSP.FPH-series, FHS-series, RHL-series, RHP series, RHP.HC-series, RHS-series, RSP.O-series,
GLOBAL DAVIT GMBH	RHP-series, LMS-series, RHS-series
GREBEN	RLC-series, HFF-series, GR-RTD-series, FOD-series, HD-series, GD-PD-series, SAR-series, SPG-series
GURDESAN	GD-FFD-series; GD-KHK-series; GD.RRS series
HARDING (UMO SCHAT HARDING)(SAFETY)	FF-series, LA-series, HD-FL-series, ORD-series, SRR-series, SA-series, HD-SPG-series, HD-VIP-series, SPG(L)-series, SPG(VL)-series, HD-RT-series
IKNOW MACHINERY CO., LTD (EX. TSUJI HEAVY IND. CO., LTD)	HD-series
JIANGYIN NEPTUNE MARINE APPLIANCES CO., LTD.	NPT-series, NPT-DP-series, NPT-DR-series, NPT-DYL-series, NPT-DP Series, NPT-DL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JY-LFR-series, JY-FH-series, JYHE-series, JYPL-series, JYSA-series, JY-LRHE-series, JY-PLR-series
JIANGYINSHI BEIHAI	SA-series; SMR-series; SAC-series
JIANGYINSHI BEIHAI LSA CO., LTD.	LB series
MACGREGOR (TTS) (HYDRAMARINE)	HMD series
MANSEI	FE series, SAR-series, ABD-series, AH-series, AV-series, EH-series, EM-series, M-series
MANSEI INDUSTRY CO. LTD.	M-series
NED-DECK MARINE (PALFINGER)	PRH-series; PRHE-series; FPG-series; PFH-series; SCH-series; SCM-series; SCT-series; SEC-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	L-series, YZF-series, ZFDZ-series, YZ-series
NMF	BPK-series
NOR DAVIT	PL-series, SDP-series
NOREQ (PALFINGER)	NRD-series; NPD-series;
ORIENTAL PRECISION	FD-series, FF-series, RD-series, SHS-series, HGD-series
ORIENTAL PRECISION & ENGINEERING CO., LTD.	HGD series, FD-series; SHS-series;
PALFINGER	FF-series, FPG-series, VIP-series, NPT-series, PFH-series, NPD-series, SCM-L-series, SCH-R-series, SCM-R-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD-FF-series; BD-AR-series, BD series,
REDROCK	RDA-series, RDT-series
SEKIGAHARA	SF-series, AT-series, STS-series, SFA-series, SFB-series, SFP-series, SHS series,
SEZAMOR	ZZ-ZOL-series, ZZ-ZOT-series
SHIN MYUNG CO. LTD	SMRBD-SD-series,
SHIN MYUNG TECH CO., LTD	LRD-series
SURVIVAL SYSTEMS INT	PL-series
TSUJI HEAVY INDUSTRIES	TC-series, T83-series, H-series, RP-series
VANGUARDE	DH-series, PR-series, PRH-series, VS-series, PL-series, LE-series, HS-series, MS-series, PFH-series, SRH series, VL-series
VERHOEF	FL-series
VIKING (NORSAFE)	E-series, SW-series, A-series, C-series, D-series, LH-series, NDA-series, , NRB series
VIKING (NORSAFE) (JIANGYIN)	HD-series
WELIN LAMBIE	LRW-series
WUXI DONGWU; WUXI DONGWU MARINE EQUIPMENT CO. LTD.	25KN-30KN-series, 18KN-110KNseries, 21KN-series
WUXI HUAHAI	HMDA-series, PD-series, HMD-series, HMB-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	PL-series

Certified in accordance with manufacturer's established certification programme:

No.	Maker	Type
1	ZHENJIANG DH MARINE EQUIPMENT CO., LTD	<b>Davit:</b> HSD/MSD-A-B/PR/PRH/DH-LE/LPRH/HTD <b>Winch:</b> DW-S-Z/DH-DW-S-Z/PRH
2	Jiangyinshi Beihai LSA Co., Ltd	<b>Lifeboat:</b> Series of SC, JYB <b>Hook:</b> Series of HK <b>Davit:</b> Series of SM, SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD <b>Winch:</b> Series of D, DW, HW, JYBW, FFW
3	Nishi-F Co., Ltd (Ex Nishi-Nippon F.R.P. Shipbuilding Co., Ltd. And Ishihara Dockyard Co., Ltd)	<b>Type/Series:</b> G-series, ML-series, F-series
4	Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd	<b>Totally Enclosed Lifeboat:</b> BH-5/ 5A/ 5S/ 5SA/ E500/ E585/ 6/6A/6S/E670/7A/7B/8 <b>Freefall Lifeboat:</b> BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900 <b>Rescue Boat:</b> BH-R4/R4S/R4SA/R5S/HR6/HR7 <b>Gravity Pivot Davit:</b> BD-PV50/PV60/PV60S/PV85 <b>Freefall Launching Davit:</b> BD-FF55/ 55A/ 55R/ FF80/80A/80R/80B/FF65/66/67/85 <b>Single Arm Davit :</b> BD-SA14/ 14A/ 14B/ SA21/ 21A/ SA23/ SA30/30A/SA33/SH23 <b>Winch:</b> BW-H(L/R)31/50/63/75, L(L/R)75/125, SC14/21 <b>Gravity Lifeboat Release Mechanism:</b> BG-3/3L/BG-7/ BH-HOOK3/HOOK5/FS5/FS7 <b>Freefall Lifeboat Release Mechanism:</b> BG-3.5F/ 4F/ 4.5F/ 4.5FL/ 5F/6F <b>Rescue Boat Release Mechanism:</b> BG-2R /15KNXS /25KNXS /35KNXS
5	Wuxi Hai Hong Boat Making Co.,Ltd	<b>Totally Enclosed Life/Rescue Boat Series:</b> HH70C /HH0T (QFP7.0/QFN7.0), HH85CS/HH85TS(QFP8.5/QFN8.5), HH65CS/HH65TS (QFP6.5/QFN6.5), HH75CS/ HH75TS(QFP7.5/QFN7.5), HH80CS/ HH80TS(QFP8.0/QFN8.0), HH65C/ HH65T(QFP(H)6.5/ QFN(H)5.3), HH50C/HH50T, HH53C/HH53T(QFP(H)5.3), HH75C(QFP(H)7.5), HH85/HH85T, HH57C, HH57T <b>Freefall Lifeboat:</b> HH59FC/HH59FF, HH76FC/HH76FF <b>Rescue Boat:</b> GJ4.5B/GJ4.5B1 <b>High Speed Rescue Boat:</b> GJ618A/ GJ618B <b>Release Gear:</b> HH76/HH43/HH30/HH20

6	Jiangsu Jiaoyan Mairne Euqipment Co.,Ltd (Jiangyin Xinjiang F.R.P. Co., Ltd)	<p><b>Free fall lifeboat:</b> JY-FN-4.9/JY-FF-4.9/JY-FN-5.8/JY-FF-5.8/JYM-FN-6.65/JYM-FF-6.65/JY-FN-6.8/JY-FF-6.8/JY-FN-7.5/JY-FF-7.5/ JY-FN-8.5/JY-FF-8.5</p> <p><b>Rescue boat:</b> GJ4.2/GJ4.25/GJ4.5/GJ5.0/GJ5.25/GJ6.0B-1/GJ6.10/GJ7.50/GJ8.0Q-2/GJ8.5Q-2;</p> <p><b>Totally enclosed lifeboat:</b> JY-QFP/N-5.0/JY-QFP/N-5.25/GTR57JYC/F/JY-QFP/N-6.0A/JY-QFP/N-6.50/JY-QFP/N-7.0/JY-QFP/N-7.5/JY-QFP/N-7.50A/JY-QFP/N-8.00/JY-QFP/N-8.50/JY-QFP/N-8.50X/JY-QFP/N-9.35/JY-QFP/N-10.90A;</p> <p><b>Hook:</b> JX and JXN Series;</p> <p><b>Gravity luffing arm type davit:</b> JYL52/JYL55/JYL68/JYL85/JYL105/JYL135;</p> <p><b>Launching appliance:</b> JYF55/JYF75/JYF75-B/JYF90;</p> <p><b>Platform Davit:</b> JYP65/JYP85/JYP105/JYP135;</p> <p><b>Single arm davit:</b> JYR21/JYR21S-A/JYRC21/JYR23/JYR14/JYRH14/JYRH21;</p> <p><b>Electric Boat Winch:</b> FW45/JYW42/JYW50/JYW70/JYW100/JYWP70/JYWP100/JYWP135/JYW35/JYRZ21</p>
7	Sekigahara Seisakusho Ltd	<b>Type/Series:</b> SH, SFB, SHS, STS, SSS, SFS, SFA, SFC, SFD, SJS, SJR
8	Vanguard	<p><b>Lifeboat &amp; Rescue boat:</b> VG/ VG-FF/ FC/ KR/ DB/ DRS/ DR4/ HLB/ HLBRL/ FRK/ FRW</p> <p><b>Hook (LRRS):</b> C-SAFE/ SPEARHEAD</p> <p><b>Davit:</b> LVD/ PL/ A/ PLR/ SRH/ LR/ VAE/ VL/ VL-G/ VS</p> <p><b>Winch:</b> DW/D/ DW/S /SLR/ DWP/ HW/ PRH/ VW/S/ VW/Z</p>

\*Note: Please refer to their individual authorised certificate as the type/model/series of equipment may varies.

This Appendix shall be attached to the Service Supplier Approval Certificate LR2250032AS and no signature required as it is issued electronically.

T.S. Yap  
Surveyor to Lloyd's Register Singapore Pte. Ltd.

a member of the Lloyd's Register group.