

Lloyds Register Approved Service Supplier

Supplier	CRALOG A/S
Address	Knoten 7, Frederikshavn, 9900, Denmark
Contact Details	E-mail: info@cralog.com
Contact Number	+457027 0920

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

Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear

This approval is restricted to personnel directly employed by the Service Supplier. It does not cover agents, subcontractors or subsidiaries.

Service Supplier's personnel are certified in accordance with a recognised national, international or industry standard - ISO PAS23678.

The recognition is in accordance with Resolution MSC.402(96) Annex, Section 7 & 8 and IACS UR Z17(Rev.14 Mar 2019).

This 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.

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

Jakob Simonsen

Service Delivery Manager for Denmark,
Norway & Iceland, Marine & Offshore to
Lloyd's Register EMEA

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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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Appendix A

SURVIVAL CRAFT & RESCUE BOATS	
Type	
MAKE	MODEL/SERIES
Acebi	TELB, PELB series
Avon	RB, SR series
Balden	BD-FF, BD-LB series
Dafer / Narwhal	SV series
DSB DEUTSCHE SCHLAUCHBOOTE	IRB series
DSB Engineering Co Ltd	DSBC, DSBF, DSBP, DSBR, DSBRFA, DSBFC, DSBFF series
Fassmer	CFL, CL, CL-P, CLR, CLX, DRAGON, GAR, GMR, SEL, PLL, PLT, RR series
Gepa	FFF, G-FK, G-FYK, G-RB series
Greben	FFL, RB, TEL series
Harding	FF, MCB series
Harding Safety	MCB, PEL series
Hatecke	GFF, GSL, PEL, RB series
Hoei Senpaku	HS series
Hyundai	HD, HDL, HDR, HDFL, HDFN, HLB, series
Japan Marine United Corp	GF, GTR series
Jiangsu Jiaoyan (Jiangyin Xinjiang F.R.P. Co., Ltd)	JY, GJ, GZ, JYFF, JYQF series
Jiangyin Neptune	NPT-C, FC, FCA, NPT-F, FF, FFA, NPTR, NPTRA, NBTRB, NPTRFA series
Jiangyin Wolong	F, FA, FF, JY-C, JY-CA, JYCF, JYP series
Jiangyin Xinjang	GJ-450, GJ-6.0.B, JY-FN series
Jiangyinshi Beihai	F, FC, JYB-B, JYB-C, JYB-FF, JYB-KR, JYB-R, LBH, SC-KR series
Mare Safety	RB series
Mulder & Ryke	Totally Enclosed Lifeboat / Rescue boat series
Narwal	SV, series
Ned Deck	NPT series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	BJ, YZ, YZC/ F, YZFF/ FC series
Nishi	FF, G, EML, PML, SM series
Noreq	LBF, LBT, RRB series
Palfinger	CTL, FF, KISS, MPC, NPT, RSQ series
Qingdao Beihai	BH, BH-R, BH-HR, BH-F Dolphin series
Shigi	FEL, SZ, SZPR, VOX46 series
Survitec	FF, SC series
Survival Systems Int	CA series

Tsuneishi	TL, KL series
Vanguard	VG-C, VG-F, VG-HLB, VG-KR, VG-DR series
Verhoef	DR, FL- 50 series
Viking / Norsafe	GES, JYN, NJYN, Maud, Maggie, Maxima, Minima, Miram, series
Viking / Norsafe / Narwhal	Matrix, Midget, FRB series
Watercraft	Mk 1,2,3,4, 5 series
Waterman	351, 361, 363, 372, 374,377, 378, 382, 391, 393 series
Wuxi Haihong	HH-C/ S, HH-FC / FC, HH-T/S, JG series
Zhenjiang Marine	YH-FRA, YH-FRB, YH-DR, YH-QFP, YH-R series

RELEASE GEAR	
MAKE	MODEL/SERIES
Bada Heavy Industries	BHA, BHA, BHR series
Balden	BD-LBH,BDHR series
BC	U Hook
Beihai	BG, HKF, series
Davit International	OLH, RH series
Fassmer	Duplex > 6t, Duplex - < 6.6, FFH45 series
Global Davit	HR,HRN series
Greben	NLH series
Hatecke	Duplex - > 6t, Duplex - <6t , GFF simplex 1.1,2.0i series
Harding / Palfinger	ARH , FFH, KISS, LHR Mk 1, LHR Mk 2 RRH series
Henriksen	HMK; HCH series
Hoei S	HS series
Hyundai	Talon Mk 1, Talon Mk 2 series
Jiangyin Neptune	HK, PNHKG series
Jiangsu Jiaoyan (Jiangyin Xinjiang F.R.P. Co., Ltd)	JX 2, JXN 1B JXN3, series
Jiangyin Wolong	FHK, HK series
Mansei	RH3
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd HK	HK series
Nishi	HIM/ 12 /13 series
Norsafe / Viking	GES, K4,,Tor Mk1, Mk 2 series
Neddeck / Palfinger	CAR 35
Palfinger	ARH ,CAR 35, CAR35F, FFH, KISS, LHR Mk 1, LHR Mk 2 RRH series
RocLoc	RocLoc series
Shigi	SRS SZK5, SZK30, series
Sezamor	HLR18, HS, series
Survitec / RocLock	SafeLaunch series
SSI	SureSafe, Triple 5, Triple 5 LX
Vanguard	S, C-safe series
Viking / Norsafe	GES, K4,,Tor Mk1, Mk 2,Nadiro DIB series
Verhoef	Twistlock series

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William Mills / Harding	Titan series
Wuxi Xingsheng	XS series

WINCH	
MAKE	MODEL/SERIES
Aciebi	TBE series
Alexander Welin	AIW series
Bada Heavy Industries	BA, BDF BLW, BM, BMW BW, BRW,PWD series
Davit International	0.1.,.02. 03., 04., 06., 07., 12. ;40; series
Fassmer	FFWH series
Global davit	01, 02 ,04 ,08,10, 14, 20, 26 W05HC, W08HC, WS; WS series
Gurdesan	GD-FLW, GD-HC-A series
Greben	EW,HW series
Hatecke	FFA series
Harding (Schat Harding)	BE, FME, CW, HD, LN, MW, W series
Hydralift	SP series
Iknow Machinery (TSUJI)	EB series
Japan Marine United Corp	MU series
Jiangyinshi Beihai	D, DW, 50kn,65kn, PF series
Jiangsu Jiaoyan (Jiangyin Xinjiang F.R.P. Co., Ltd)	JYWP series
Jiangyin Neptune	DW, DS series
Jiangyin Wolong	JYD series
Mansei	BA, BH, CMW, FW LBE, LBH, MW, RBE, RBH, SW, 06 series
Ned deck	04, HWCT 15 series;
Nor Davit	NW, SP series
Oriental Precision	BWE, SWE series
Palfinger	04, 15,, BE, FME, CW, HD, HWCT, LN, MW, W series
Qingdao Beihai	BW-LL, BW-HL series
SEC	WL
Sekigahara	SNW, SWE series
Schat Harding	BE, HD, MW series
SSI	W series
Tsuji Heavy Industries	EB, TC series
Verhoef	FL 50 series
Watercraft	NW; MW series
Welin Lambie	55; 5619, 53 ; 9502, 97 series
Wuxi Huahai	HMW series
Wuxi Dongwu	DS/Z, D/Z Series
Zhenjiang Marine	DP series
Zollern	ZR series

DAVITS	
MAKE	MODEL/SERIES
Abas	MDE. KDE series
Acebi	A, AF, GRA, PF, PFR, RRP, SPG, TPC, TPF, TPU series
Acta	DR; HSC; MOB series
Alexander Ryan	AREH, BH series
Arim	AHA, ARPV, series
Bada Heavy industries	BDF, BDH, BDL, BDR, BFR, BHI, HDF series
Beihai	BHG series
Bianchi & Cecchi	(BC) PE, PET series
Davit International	BR, CRM, D-FH, D-FO, D-NP, D-NPSP, D-NPS.SP, D-RT, D-TT.SP, MP, SP series
Denizsan	DSFDD, DSFRB, DSRBD series
Dongnam Marine Crane Co Ltd	DHGD, DSAD series
DSB Engineering Co Ltd	DSBARH, DSBDF, DSBDL, DSBDP, DSBDR, DSBDTL, DSBDYL, DSB23DR series
Fassmer	FHD, FPD series
Global Davit	Fhs, Glp.FLh, GLp.FP, Glp.FpH, Glp.MP, GLp.RT, GSP, Gsp.FLh, Gsp.FP, Gsp.FPh, Gsp.MP, Lms, Rhl, Rhp, Rhp.HC, Rhs, Rhs.HC, Rml.Lml, Rms, Rsp.O, RT series
Greben	FOD, GR-RTD, HD, HFF, GD-PD, RLC,r SAR ,SPG series
Gurdesan	GD-FFD, GD-KHK GD-RSS series
Harding	FPG, ORD, SPG series
Harding Safety	FF, HD, LA, PD, RT, SA, SPG, SRR, VIP series
Hydralift/ TTS	HL series
Hydramarine	HMC, HMD, TTS T series
Iknow Machinery (TSUJI)	HD series
Jiangsu Jiaoyan	JYF, JYGR, JYHG, JYP, JYR series
Jiangyin Neptune	DF, DL, DP, DR, DYL, NPT series
Jiangyin Wolong	JY-FH, JYHE, JYLFR, JYPL, JYSA, LRHE, PLR series
Jiangyinshi Beihai	FA, FRH, HB, LB, LB-H, PD, SA, SAC, SMR, RB, 65kn, series
Macgregor	HMD series
Mansei	ABD, AH, AV, EH, EHR, EM, FE, FH, GRA, M, SAR, SPG(VL), series
Ned Deck Marine	FPG, PFH, PRH, PRHE, SCH, SCM, SCT, SEC, series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	L, YZF, ZFDZ series
NMF	BPK series
Nor Davit	PL, SDP series
Noreq	NPD, NPDS, NRD series
Oriental Precision	FD, FF, HDG, RD, SHS, series
Palfinger	FF, FPG, NPD, NPT, PFH, SCM-L, SCH-R, SCM -R, VIP series
Qingdao Beihai	AR, BD, BD - AR, BD - FF, EHRD, FA, FRH, PL, PV, SA series
Redrock	RDA, RDT series
Sekigahara	AT, SF, SFA, SFB, SFP, SHS, SSS, STS series

Sezamor	ZZ-ZŁ J, ZZ-ZŁJ2, ZZ-ZOL, ZZ-ZOT series
Shin Myung	SMRBD-SD, SMRB / LRD series
Survival Systems Int	PI series
Tsuji Heavy Industries	H, RP, TC, T83 series
Vanguarde	DH, HS, LE, MS, PFH, PL, PR, PRH, SRH, VL, VS series
Verhoef	FL - 50, L, PA, PLAR, PLD, PLR, TBD series
Viking / Norsafe	A, C, D, E, H, HD, LH, NDA, NDSC, NRB, SW series
Watercraft	WRG series
Welin Lambie	LRW series
Wuxi Dongwu	Free-fall Lifeboat Davit (F55-F70), Gravity - Luffing Arm (18kN-110Kn), Gravity Rescue Boat / Raft Davit (21kN-35kN), Gravity Rolling Type Davit (25kN-30kN), series
Wuxi Huahai	HMB, HMD, HMDA, PD series
Zhenjiang Marine	PL series