



Lloyd's Register Approved Service Supplier

Supplier	DMI SNT CO., LTD
Address	#63 Saneop-ro 382 beon-gil Nam-Gu, Nam-gu, Ulsan, 44781, South Korea
Contact Details	EMAIL : ulsan@dmico.net
Contact Number	TEL : +82-52-269-5996

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

Inspections And Maintenance Of Fire-Extinguishing Equipment And Systems
Inspection and Maintenance of: 1. Fixed Fire-Extinguishing Systems - CO ₂ Systems (High Pressure and Low Pressure) - Other Gas Fire-Extinguishing Systems - Foam Fire-Extinguishing Systems - Dry Powder Fire-Extinguishing Systems - Pressurised Water Spraying Systems and Local Water Mist Systems 2. Portable and Non-Portable Fire Extinguishers 3. Fire and Smoke Detection and Alarm Systems
Inspections And Maintenance Of Self-Contained Breathing Apparatus
- General Inspection of Breathing Apparatus - Air Quality Testing - Hydraulic Pressure Testing for Cylinders



Lloyd's Register Approved Service Supplier

Hydraulic Tests Of Low And High Pressure Cylinders

Service Of Immersion Suits, Thermal Protective Aids, And Chemical Protective Clothing

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

Service Supplier's personnel are certified in accordance with manufacturers' established certification program. The service supplier is authorised to work on the makes and the types shown in the attached 'Appendix A'.

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.

Servicing Of Inflatable Liferrafts, Inflatable Lifejackets, Hydrostatic Release Units, Marine Evacuation Systems

Servicing of Inflatable Liferrafts Manufactured by:

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

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Lloyd's Register Approved Service Supplier

Servicing Of Inflatable Liferafts, Inflatable Lifejackets, Hydrostatic Release Units, Marine Evacuation Systems
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| <ul style="list-style-type: none">- SG Safety Corporation (formerly SAMGONG Ltd.)- Jiangsu Haining |
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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.



APPENDIX A

Office: **Ulsan**

Date: **09 November 2024**

This Certificate is issued to DMI SNT Co., Ltd.

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

SECTION A, Certification based on training by OEM in accordance with Resolution MSC 402(96).

1) Survival craft & Rescue boat (Maker / Type / Model), training by OEM

Maker	Type	Model / Series
DSB ENGINEERING CO., LTD	Lifeboat	DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C
DSB ENGINEERING CO., LTD	Freefall Lifeboat	DSB49FF/FC, DSB59FF/FC, DSB75FF/FC
DSB ENGINEERING CO., LTD	Rescue boat	DSB40R, DSB60RA/RB
HLB CO., LTD (EX. HYUNDAI LIFEBOAT CO., LTD AND HYUNDAI PRECISION IND. CO., LTD)	Lifeboat, Freefall lifeboat, Rescue boat	Series of HD, HT, HDL, HLB ; HDF, HDFL, HDFN ; HDR & HDFR
HOEI SENPAKU CO., LTD	Lifeboat, Rescue boat, Release gear	HS650, HS650F, HS520, HS520F SO, SM, FO, FM
JMU - JAPAN MARINE UNITED CORP. (EX. IHI CRAFT, IHI AMTEC, IHI MARINE UNITED)	Lifeboat, Freefall lifeboat	Series of GF, GT, GTR, GTC, S, G, MU-FN, MU-FF, JY series of Jiangsu Jiaoyan with JMU name plate with JG ship inspection approval certificate
JMU - JAPAN MARINE UNITED CORP. (EX. IHI CRAFT, IHI AMTEC, IHI MARINE UNITED)	Rescue boat	Series of MU-GJ
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Freefall Lifeboat	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 / JY-FN/FF-9.5
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Rescue boat	GJ4.2 / GJ4.25 / GJ4.5 / GJ5.0 / GJ5.25 / GJ6.0B-1 / GJ6.10 / GJ7.50 / GJ8.0Q-2 / GJ8.5Q-2
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Lifeboat (Gravity)	JY-QFP/N-5.0 / JY-QFP/N-5.25 / JY-QFP/N-5.6 / 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

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NISHI-F (EX. NISHI-NIPPON AND ISHIHARA DOCKYARD)	Lifeboat, Freefall lifeboat, Rescue boat, Release gear	G-series, ML-series, F-series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Lifeboat	BH-5, 6, 7, 8, 9, 10 series, BH-E series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Freefall Lifeboat	BH-F series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Rescue boat	BH-R series, BH-HR series
SHIGI SHIPBUILDING CO., LTD	Lifeboat, Rescue boat, Release gear	SZ, FEL, VOX, GARS series, OPEN type and Release Gear
WUXI WENJIAO G.F.R.P FACTORY	Lifeboat, Rescue boat	WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C
WUXI WENJIAO G.F.R.P FACTORY	Freefall Lifeboat	WJ59FF, WJ59FC, WJ67FF, WJ67FC
WUXI WENJIAO G.F.R.P FACTORY	Rescue boat	WJ40R, WJ45KR, WJ45D3, WJ45D, WJJZ45, WJ55D, WJ60RA, WJ60RB
WUXI WENJIAO G.F.R.P FACTORY	Lifeboat (Open)	WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85

2) Launching appliances (Maker / Model / Type) training by OEM

Maker	Type	Model / Series
ARIM MACHINERY & ENG. CO.	Davit (LB, RB, LR)	ARPV series, ARLD series, LRBD series, - Rescue boat & Lifteraft launching appliance : ARPV/ RVD-2109 CSN/SK Series, ARPV/RVD-1875 QHS Series, ARPV/RVD-2260 Jinse Series, ARPV/RLD-2260 JS/SH Series, ARPV/RVD-2108 SK-H Series, MS06/ 07 Series, LRBD-20 SH Series, ARBD-0512 Series, ARPV/RBD-0971 Series, ARPV/RVD-2190 Series, - Lifteraft launching appliance : ARLD-20P SK-H Series, ARPV/LD-2050 SK-H Series, ARPV/LRD-2050 Series, - Lifeboat launching appliance : AHC-18P ELBW-50
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY CO., LTD, D.R.M)	Davit	Series of DRM, DRBD, BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, FF, HDFL, HDF, BDF, BDFD, BDR, BDH, BDA, BDFA, BDL, BDR, BLR & BHI
DSB ENGINEERING CO., LTD	Davit(Gravity)	DSB60DL, DSB85DL, DSB138DL, DSB205DL
DSB ENGINEERING CO., LTD	Davit(Hydraulic)	DSB150DYL
DSB ENGINEERING CO., LTD	Davit (FFLB)	DSB70DF, DSB85DF
DSB ENGINEERING CO., LTD	Davit (RB)	DSB23DR, DSB30ARH, DSB18/27DR
IKNOW MACHINERY CO., LTD (EX, TSUJI HEAVY IND.)	Davit	H, T, TC
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Davit (Gravity)	JYL52 / JYL55 / JYL65 / JYL68 / JYL85 / JYL105 / JYL135

JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Davit (FFLB)	JYF55 / JYF75 / JYF75-A / JYF75-B / JYF90
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Davit (Platform)	JYP65 / JYP85 / JYP105 / JYP135
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Davit (RB, LR)	JYR21 / JYR21S-A / JYRC21 / JYRCA21 / JYR14 / JYRH14 / JYRH21 / JYR26 / JYR30 / JYR23
JMU - JAPAN MARINE UNITED CORP. (EX. IHI CRAFT, IHI AMTEC, IHI MARINE UNITED)	Davit (LB, FFLB)	Series of MUL, MUF
JMU - JAPAN MARINE UNITED CORP. (EX. IHI CRAFT, IHI AMTEC, IHI MARINE UNITED)	Davit (RB, LR)	Series of MUR
KYORITSU KIKAI CO., LTD.	Davit (FFLB)	Series of LAF
KYORITSU KIKAI CO., LTD.	Davit (RB, LR)	Series of DBZ
ORIENTAL PRECISION & ENGINEERING CO., LTD	Davit (LB)	HGD, HGK, SHS, RTD, DHA, DMA series
ORIENTAL PRECISION & ENGINEERING CO., LTD	Davit/Winch (FFLB)	FD, WL series
ORIENTAL PRECISION & ENGINEERING CO., LTD	Davit/Winch (RB, LR)	RD, RDW, HPC series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Davit (LB)	BD-PV series, BD-AR series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Davit (Offshore)	BD-PL series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Davit (RB, LR)	BD-SA series, BD-SH series, FA36, RBD966
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Davit (FFLB)	BD-FF series
SANGSANGIN INDUSTRY CO., LTD (EX. DONGNAM MARINE CRANE & DONGNAM ENTERPRISE)	Davit/Winch (LB, RB, LR)	HINGED GRAVITY TYPE (DHG-57-FM, HGW-40-FM, DHG-70-FM, HGW-52-FM, HGW-50-FM, DHG-73-FM, HGW-61-DM, DHGD-11-E2E7), SINGLE ARM TYPE (DLRD, DRLD, DSAD, PV combined, DCHH, DPR, DNR, DRBD, DSAC, BSNKJ), FREEFALL TYPE (FF, HDF), DSAM11-E2M0
SEKIGAHARA SEISAKUSHO CO., LTD	Davit	SH, SFB, SHS, STS, SSS, SFS, SFA, SFC, SFD, SJS, SJR
SHINMYUNG TECH CO., LTD	Davit (RB, LR)	SM-LRD, SMRB&PVH, SMRB&LR, SMRBD-LSW, SMLRD-LSW, SMRB&LR-NLSW
SEKWANG CO., LTD (EX. SEKWANG MARINE MACHINERY CO., LTD)	Davit	Hinged Gravity, Single Arm, Slewing, Provision Crane Combined, SK-EHRLD series, SKH series, SK series

WUXI DONGWU MARINE EQUIPMENT CO., LTD	Davit (Gravity)	18kN / 25kN / 40kN / 50kN / 60kN / 60kN(60L) / 85kN / 110kN / T2.5 / Sk50
WUXI DONGWU MARINE EQUIPMENT CO., LTD	Davit (Gravity, Sliding)	25kN / 30kN
WUXI DONGWU MARINE EQUIPMENT CO., LTD	Davit (FFLB)	F55 / F70 / NPT100F
WUXI DONGWU MARINE EQUIPMENT CO., LTD	Davit (RB, LR)	21kN(Manual) / 21kN (Electrical) / 21kN (Electrical / Hydraulic) / 25kN (Electrical / Hydraulic) / 35kN (Electrical / Hydraulic) / DWC210
WUXI DONGWU MARINE EQUIPMENT CO., LTD	Davit (RB)	A30 / H35

3) Release Gear (Maker / Model / Type) training by OEM

Maker	Type	Model / Series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY CO., LTD, D.R.M)	Release gear	Series of BDR, BHA & BHR
HLB CO., LTD (EX. HYUNDAI LIFEBOAT CO., LTD AND HYUNDAI PRECISION IND. CO., LTD)	Release gear	Series of THP, Talon & Talon II
JMU - JAPAN MARINE UNITED CORP. (EX. IHI CRAFT, IHI AMTEC, IHI MARINE UNITED)	Release gear (RB, LR)	Products of Ned Deck Marine & Wuxi Xingsheng Gear Case Factory
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Release gear	JX and JXN Series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Release gear (LB)	BG-3/3R/3L/7/10; BH-HOOK3/5, FS5/7/10/13
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Release gear (FFLB)	BG-3F, 3.5F, 4F, 4.5F, 4.5FL, 5F, 6F
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Release gear (RB, LR)	BG-2R ; Wuxi Xingsheng series, Jimo Changsheng series, Products of Hatecke, Wuxi Mingzi
T-ISS B.V.	Release gear (RB, LR)	T-ISS PX-01 (Wuxi Mingzi 31-37KN), T-ISS PX-02 (Wuxi Mingzi 21-25KN), T-ISS PX-03 (Wuxi Mingzi 15KN)
WUXI WENJIAO G.F.R.P FACTORY	Release gear	WJHK40, WJ30HK, WJHK55, WJ63HKC, WJ67HK, WJ40

4) Winch (Maker / Model / Type) training by OEM

Maker	Type	Model / Series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY CO., LTD, D.R.M)	Winch	Series of DRM, DRBW, HLDF, BAW, BDF, BDFD, HDFL, HDF, BHI, BLR, BLW, BMW, BRW, BWL, BWR & FHW
IKNOW MACHINERY CO., LTD (EX. TSUJI HEAVY IND.)	Winch	EB, TC, OAP

JMU - JAPAN MARINE UNITED CORP. (EX. IHI CRAFT, IHI AMTEC, IHI MARINE UNITED)	Winch	Series of MUW
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (EX. JIANGYIN XINJIANG F.R.P CO., LTD)	Winch	FW45 / JYW42 / JYW50 / JYW70 / JYW100 / JYWP70 / JYWP100 / JYWP135 / JYW35 / JYRZ21
ORIENTAL PRECISION & ENGINEERING CO., LTD	Winch (LB)	BWE, SWE, WL series
QINGDAO BEIHAI BOAT BUILDING CO., LTD (EX. QINGDAO BEIHAI SHIPBUILDING HEAVY IND. CO., LTD)	Winch	BW-H(L/R) series; L(L/R) series; SC series; YSB/INI/BJM hydraulic winch series
WUXI DONGWU MARINE EQUIPMENT CO., LTD	Winch (LB, RB, LR)	DS*ZY25 / DS*ZY40 / D50S / DS*ZY63 / D63S / 80kN (life) / DZY / Z21 / DZ*ZY25 / DZ*ZY40 / D50Z / DZ*ZY63 / D63Z / 80kN (rescue)

SECTION B,
Certification based on “ISO 23678:2022”, training by Cralog, in accordance with Resolution MSC 402(96).

1) Survival craft & Rescue boat (Maker / Type / Model), training by Cralog

Maker	Type	Model / Series
ACEBI	Partially enclosed lifeboat, twin fall	PELB-series
ACEBI	Totally enclosed lifeboat, twin fall, tanker version	TELB-series
AMBAR MARINE	Rescue Boat, single fall	AM420-series
AVON	Rescue Boat, single fall	RB-series, SR-series
BALDEN	Totally enclosed lifeboat, freefall	BD-FFC-series, BD-FFT-series
BALDEN	Totally enclosed lifeboat, twin fall, dry version	BD-LB-series
BALDEN	Totally enclosed lifeboat, twin fall, tanker version	BD-LB-series
BEIYANG BOATBUILDING CO.LTD	Totally enclosed lifeboat, twin fall, dry version	20 TECB-series
BIANCHI & CHECCHI	Partially enclosed lifeboat, twin fall	PE-series
BROOKER	Totally enclosed lifeboat, single fall	CA-series
CASTOLDI S.R.L.	Rescue Boat, single fall	JET TENDER 18 RB-series
DAFER (NARWHAL)	Fast Rescue Boat, single fall	FRB-series
DAFER (NARWHAL)	Rescue Boat, single fall	FRB 700-series, FRB 900-series, SV-series
DELTA	Rescue Boat, single fall	COMET-series, PHANTOM-series
DSB DEUTSCHE SCHLAUCHBOOTE	Rescue Boat, single fall	IRB-series
DSB ENGINEERING CO LTD	Partially enclosed lifeboat, twin fall	DSBP-series
DSB ENGINEERING CO LTD	Rescue Boat, single fall	DSBRB-series, DSBRA-series
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, freefall	DSBFC-series, DSBFF-series
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, dry version	DSBC-series

DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, tanker version	DSBF-series
ESVAGT	Rescue Boat, single fall	ALU 460 F-series
FASSMER	Fast Rescue Boat, single fall	FRR-series
FASSMER	Partially enclosed lifeboat, twin fall	CL-P-series, PLL-series, PLT- series, SEL-series
FASSMER	Rescue Boat, single fall	FRIR-series, RR-series
FASSMER	Totally enclosed lifeboat, freefall	CFL-series, GAR-series, GAR-T- series
FASSMER	Totally enclosed lifeboat, twin fall, dry version	CL-series, CLR-C-series, CLX- series, GMR-series
FASSMER	Totally enclosed lifeboat, twin fall, tanker version	CL-series, CLR-T-series, CLX- series, DRAGON-series, T-GMR- series
FASSMER MARLAND	Rescue Boat, single fall	RR-series
FASSMER MARLAND	Totally enclosed lifeboat, freefall	CFL-C-series, CFL-T-series
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, dry version	CLR-C-series, DRAGON C-series, HH-C-series
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, tanker version	CLR-T-series, DRAGON F-series, HH-T-series
FUKAYA MANUFACTORY THE HAKODATE DOCK CO.,LTD	Open lifeboat, twin fall	HL 73-series
GEPA	Fast Rescue Boat, single fall	G-FRB-series
GEPA	Partially enclosed lifeboat, twin fall	G-FYK-series
GEPA	Rescue Boat, single fall	G-RB1-series
GEPA	Totally enclosed lifeboat, freefall	G-FFF-series
GEPA	Totally enclosed lifeboat, twin fall, dry version	G-FK-series
GEPA	Totally enclosed lifeboat, twin fall, tanker version	GFK-FP-series
GREBEN	Partially enclosed lifeboat, twin fall	PEL-series
GREBEN	Rescue Boat, single fall	RB-series
GREBEN	Totally enclosed lifeboat, freefall	FFL-series
GREBEN	Totally enclosed lifeboat, twin fall, dry version	TEL-series
GREBEN	Totally enclosed lifeboat, twin fall, tanker version	TEL-FP-series
HARDING (UMO SCHAT HARDING)	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC- series
HARDING (UMO SCHAT HARDING)	Rescue Boat, single fall	MOB 4.5A-series
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, freefall	FF-series
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, dry version	MCF-series
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, tanker version	MCB-series, MCM-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, freefall	HARDING-LBF-series

HARDING (UMO SCHAT HARDING) (PALFINGER)	Fast Rescue Boat, single fall	STINGER 630-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Rescue Boat, single fall	MOB 17-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, twin fall, dry version	LBT-C-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version	LBT-T-series
HARDING (WATERCRAFT)	Partially enclosed lifeboat, twin fall	MOB-series, MOBAC-series, PELB- series, PERB-series
HARDING (WATERCRAFT)	Totally enclosed lifeboat, freefall	WFF-series
HARDING (WATERCRAFT)	Totally enclosed lifeboat, twin fall, tanker version	MK 1-series, MK 2-series, MK 3- series, MK 4- series, MK 5-series
HARDING BOAT BUILDING (QINGDAO) CO., LTD.(UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, dry version	TECB-series
HATECKE (ERNST HATECKE)	Fast Rescue Boat, single fall	FRB 600-series
HATECKE (ERNST HATECKE)	Partially enclosed lifeboat, twin fall	PEL-series, PL-series
HATECKE (ERNST HATECKE)	Rescue Boat, single fall	RB-series
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, freefall	GFF-series
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, twin fall, dry version	GSL-T-series
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, twin fall, tanker version	GSL-T-series
HLB (HYUNDAI LIFEBOATS)	Fast Rescue Boat, single fall	HDFR-series
HLB (HYUNDAI LIFEBOATS)	Rescue Boat, single fall	HDR-series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, freefall	HDF25T-series, HDFL740F-series, HDFN-F- series, HDFN-T-series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, dry version	HDL-series, HLB-series, HT78- series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, tanker version	HDL-series, HDL-CF-series, HLB- series
HOEI SENPAKU CO.,LTD	Totally enclosed lifeboat, twin fall, dry version	HS-series
HOEI SENPAKU CO.,LTD	Totally enclosed lifeboat, twin fall, tanker version	HS650F-series, HSF-series
IHI MARINE UNITED INC	Open lifeboat, twin fall	G-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, dry version	GTC-series, GTC-C-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, tanker version	GT-F-series, GTC-F-series, GTR- F-series
JAPAN MARINE UNITED CORP.	Rescue Boat, single fall	MU-GJ-series
JAPAN MARINE UNITED CORP.	Totally enclosed lifeboat, freefall	MU-FN-series
JAPAN MARINE UNITED CORP.	Totally enclosed lifeboat, twin fall, dry version	GF-series

JAPAN MARINE UNITED CORP.	Totally enclosed lifeboat, twin fall, tanker version	GTR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Partially enclosed lifeboat, twin fall	JY-BF-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Rescue Boat, single fall	GJ-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, freefall	JY-FF-series, JYM-FF-series, JYM- FN-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, dry version	JY-QFN-series, JY-QFP-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, tanker version	GTR-JYF-series, JY-QFN-series, JY-QFP-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Fast Rescue Boat, single fall	NPT-RA-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Partially enclosed lifeboat, twin fall	NPT-P-series, NPT-PT-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue Boat, single fall	NPT-RA-series, NPT-RB-series, NPT-RFA-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, freefall	NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, twin fall, dry version	NPT-C-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, twin fall, tanker version	NPT-F-series, NPT SC-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Open lifeboat, twin fall	JYK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Partially enclosed lifeboat, twin fall	JYP-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Rescue Boat, single fall	JYDR-series, JYKR-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, freefall	JYCF-series, JYFF-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	JYC-series, JYCA-series, JYCB- series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	JYF-series, JYFA-series, JYFB- series
JIANGYIN XINJIANG	Rescue Boat, single fall	GJ-series, GJ- B-series
JIANGYIN XINJIANG	Totally enclosed lifeboat, freefall	JY-FN-series
JIANGYINSHI BEIHAI	Fast Rescue Boat, single fall	JYB-G-series, JYB-Q-series
JIANGYINSHI BEIHAI	Open lifeboat, twin fall	JYB-K-series
JIANGYINSHI BEIHAI	Partially enclosed lifeboat, twin fall	JYB-B-series
JIANGYINSHI BEIHAI	Rescue Boat, single fall	JY-BR-series, JYB-KR-series, SC- K-series, SC-KR-series

JIANGYINSHI BEIHAI	Totally enclosed lifeboat, freefall	JYB-FC-series, JYB-FF-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, dry version	JYB-C-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, tanker version	JYB-F-series
KANG NAM. CORPORATION	Totally enclosed lifeboat, twin fall, dry version	GTB-series
MARE SAFETY AS	Fast Rescue Boat, single fall	GTC 700-series, MS FRB-series
MARE SAFETY AS	Rescue Boat, single fall	RB-series
MARITIME PARTNERS	Fast Rescue Boat, single fall	WEEDO 600-series
MARITIME PARTNERS	Fast Rescue Boat, single fall	ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE 770-series, ALUSAFE 900-series, SEA BEAR 23-series, WEEDO 17 SOLAS-series, WEEDO 700-series
MARITIME PARTNERS (HUKKELBERG BOATS)	Fast Rescue Boat, single fall	SPRINGER-series
MULDER EN RIJKE	Partially enclosed lifeboat, twin fall	PELB-series, PTL-series
MULDER EN RIJKE	Totally enclosed lifeboat, single fall	TELB-S-series
MULDER EN RIJKE	Totally enclosed lifeboat, twin fall, tanker version	TELB-series
NARWHAL	Rescue Boat, single fall	SV-series
NARWHAL (DAFER)	Fast Rescue Boat, single fall	SV-series
NED-DECK MARINE (PALFINGER)	Rescue Boat, single fall	NMD 4.40 RESCUE-series
NED-DECK MARINE (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version	NPT-series, PN85F-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Fast Rescue Boat, single fall	YZRA-series, YZRB-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Open lifeboat, twin fall	BJ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Rescue Boat, single fall	BJ-series, YZ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, freefall	YZFC-series, YZFF-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, dry version	YZC-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, tanker version	YZF-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Rescue Boat, single fall	NM43R-series, NM45R-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Totally enclosed lifeboat, freefall	NM58FF-series, NM59FC-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Totally enclosed lifeboat, twin fall, dry version	NM-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Fast Rescue Boat, single fall	FRP-series

NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Open lifeboat, twin fall	NF-series, NFA-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Partially enclosed lifeboat, twin fall	PML-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, freefall	FF-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, dry version	CML-series, EML-series, G-TR- series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, tanker version	CML-series, EML-series, G-AFR- series, G-FR-series
NOREQ	Partially enclosed lifeboat, twin fall	LBP-series
NOREQ (PALFINGER)	Fast Rescue Boat, single fall	FRB-series
NOREQ (PALFINGER)	Rescue Boat, single fall	RRB-series
NOREQ (PALFINGER)	Totally enclosed lifeboat, freefall	LBF-series
NOREQ (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version	LBT-series
NORMAR (NORWEGIAN MARINE EQUIPMENT)	Fast Rescue Boat, single fall	FRC-series
NORMAR (NORWEGIAN MARINE EQUIPMENT)	Rescue Boat, single fall	NORMAR-RESCUE 425-series, RESCUE 425 / 500-series
NORMAR (NORWEGIAN MARINE EQUIPMENT)	Totally enclosed lifeboat, freefall	FREE FALL 4.9 TO 8.5T-series
OY FISKARS AB	Totally enclosed lifeboat, twin fall, dry version	TELB-series
OY FISKARS AB	Totally enclosed lifeboat, twin fall, tanker version	TELB-series
PALFINGER	Fast Rescue Boat, single fall	FRSQ-series
PALFINGER	Partially enclosed lifeboat, twin fall	CTL-series, MPC-series, NPT-T- series
PALFINGER	Rescue Boat, single fall	RSQ-series
PALFINGER	Totally enclosed lifeboat, freefall	FF-series, NPT-FC-series, NPT- FF-series
PALFINGER	Totally enclosed lifeboat, twin fall, dry version	KISS-C-series, NPT-F-series
PALFINGER	Totally enclosed lifeboat, twin fall, tanker version	KISS-T-series, NPT-C-series
PESBO S.A	Totally enclosed lifeboat, freefall	BSL-series
PESBO S.A	Totally enclosed lifeboat, twin fall, dry version	BSC-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Fast Rescue Boat, single fall	BH-HR7-series, FRB-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Partially enclosed lifeboat, twin fall	BH10-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat, single fall	BH-R-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, freefall	BH-F-series

QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	BH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	BH-series
SHIGI SHIPBUILDING CO. LTD.	Fast Rescue Boat, single fall	FRP-series
SHIGI SHIPBUILDING CO. LTD.	Open lifeboat, twin fall	SZGM-series, SZGO-series
SHIGI SHIPBUILDING CO. LTD.	Partially enclosed lifeboat, twin fall	SZP-series, SZPR-series
SHIGI SHIPBUILDING CO. LTD.	Rescue Boat, single fall	SZRS-series, VOX46-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, freefall	FEL-series, GARS-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	SZBR-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	SZTR-series
STOCZNIA USTKA SP. Z O.O.	Fast Rescue Boat, single fall	FRB-series
STOCZNIA USTKA SP. Z O.O.	Rescue Boat, single fall	R-series, RIB-series
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, freefall	FFB-series
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, twin fall, dry version	Z-series
SURVITEC (SCI)	Fast Rescue Boat, single fall	SC60RA-series
SURVITEC (SCI)	Totally enclosed lifeboat, freefall	FF-series
SURVITEC (SCI)	Totally enclosed lifeboat, twin fall, dry version	SCFA-series
SURVITEC (SCI)	Totally enclosed lifeboat, twin fall, tanker version	SCFA-series
SURVIVAL SYSTEMS INT	Fast Rescue Boat, single fall	FRB-series
SURVIVAL SYSTEMS INT.	Totally enclosed lifeboat, single fall	CA-series
TSUNEISHI	Totally enclosed lifeboat, twin fall, dry version	TL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, dry version	KL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, tanker version	KL-FP-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, dry version	TE-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, tanker version	FP-series
VALIANT	Rescue Boat, single fall	RB-450-series
VANGUARDE	Fast Rescue Boat, single fall	VG-FRK-series, VG-FRW-series
VANGUARDE	Rescue Boat, single fall	VG-DRS-series, VG-KR-series
VANGUARDE	Totally enclosed lifeboat, twin fall, dry version	VG-C-series
VANGUARDE	Totally enclosed lifeboat, twin fall, tanker version	VG-F-series, VG-HLB-series
VEB SCHIFFSWERFT RECHLIN/MURITZ	Totally enclosed lifeboat, twin fall, dry version	GAL-series

VIKING (NORSAFE)	Fast Rescue Boat, single fall	470 GRP-series, MAGNUM-series, MAKO-series, MERLIN-series
VIKING (NORSAFE)	Partially enclosed lifeboat, twin fall	MINIMA-series
VIKING (NORSAFE)	Rescue Boat, single fall	MAKO-series, MERLIN-series, MIDGET-series
VIKING (NORSAFE)	Totally enclosed lifeboat, freefall	JYN-F-series
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, dry version	JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM- C-series
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, tanker version	JYN-MKI-series, JYN-T-series, MAGGIE-T-series, MATILDA-T-series, MAUD-T-series, MAXIMA- T-series, MIRAM-T-series
VIKING (NORSAFE) (JIANGYIN)	Rescue Boat, single fall	MATRIX-series
VIKING (NORSAFE) (JIANGYIN)	Totally enclosed lifeboat, freefall	GES-series
VIKING NEUVISA	Fast Rescue Boat, single fall	RR-40-series
WATERCRAFT (WATERCRAFT HELLAS)	Rescue Boat, single fall	4.9M-RB-series
WATERCRAFT (WATERCRAFT HELLAS)	Totally enclosed lifeboat, twin fall, dry version	MK 5-series
WATERMAN OY	Partially enclosed lifeboat, twin fall	365-series, 367-series, 391- series, 393-series
WATERMAN OY	Totally enclosed lifeboat, twin fall, tanker version	351-series, 366-series, 366HRL- series, 368-series, 371-series, 371HR-series, 377-series, 379- series
WHITTAKER	Totally enclosed lifeboat, single fall	CA-series
WORKRIBS HOLLAND BV	Fast Rescue Boat, single fall	WRH 635 FRB-series
WUXI HAIHONG BOAT MAKING CO., LTD	Open lifeboat, twin fall	BH-series, BJ-series
WUXI HAIHONG BOAT MAKING CO., LTD	Rescue Boat, single fall	GJ-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, freefall	HH-FC-series, HH-FF-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, dry version	HH-C-series, HH-CS-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, tanker version	HH-T-series, HH-TS-series
WUXI WENJIAO	Fast Rescue Boat, single fall	WJ-RA-series, WJ-RB-series
WUXI WENJIAO	Open lifeboat, twin fall	BH-series, BJ-series, WJ-series
WUXI WENJIAO	Rescue Boat, single fall	GJ-series
WUXI WENJIAO	Totally enclosed lifeboat, freefall	WJFF-series, WJFFC-series, WUXI WENJIAO / WJFFC-series
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, dry version	WJBC-series
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, tanker version	WJBF-series
XTENDERS	Fast Rescue Boat, single fall	6.8M SOLAS TENDER-series

ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Rescue Boat, single fall	GJ-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Totally enclosed lifeboat, freefall	BCFC-series, BCFF-series, FL-C- series, FL-F-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Totally enclosed lifeboat, twin fall, dry version	BCC-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Totally enclosed lifeboat, twin fall, tanker version	BCF-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Rescue Boat, single fall	GJ-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Totally enclosed lifeboat, freefall	BCFF-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Rescue Boat, single fall	ZJM-4.0-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Totally enclosed lifeboat, freefall	ZJM-FF-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat, single fall	YH-FRB-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Rescue Boat, single fall	YH-FRA-series, YH-R-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, freefall	YH-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, dry version	YH-QFP-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, tanker version	YH-DR-series
ZODIAC (SURVITEC)	Fast Rescue Boat, single fall	RIB-series
ZODIAC (SURVITEC)	Rescue Boat, single fall	H472S-series, RIBO-series
ZODIAC HURRICANE	Rescue Boat, single fall	H561 PROLUXE-series
ZODIAC MILPRO INTERNATIONAL	Rescue Boat, single fall	RIBO-series

2) Launching appliances (Maker / Model / Type) training by Cralog

Maker	Type	Model / Series
A TECH	Single arm Slewing	AT-LRD-series
ABAS	Single arm Slewing	KDE-series, MDE-series
ACEBI	Free fall secondary hydraulic A Frame	TPF-series
ACEBI	Gravity single and twin fall outrigger	A-series, AF-series, PF-series
ACEBI	Single arm Slewing	PFR-series, RRP-series, TPU- series
ACEBI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	TPF-series, TPU-series
ACEBI	Twin / Single Fall Gravity Rollertrack	GRA-series
ACEBI	Twin Fall Gravity Pivoting / Luffing	SPG-series

ACEBI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TPC-series
ACOIN	Single arm Slewing	R18700-series
ACTA	Free fall secondary hydraulic A Frame	HSC-series
ACTA	Single arm Slewing	DC-series, DR-series, HSC-series, MOB-series
ALEXANDER RYAN	Gravity single and twin fall outrigger	BH-series
ARIM	Single arm Slewing	AREH-series, ARPV-series
ARIM	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARPV-series
ARIM	Twin Fall Gravity Pivoting / Luffing	AHA-series
AUKRA MARITIME AS	Twin / Single Fall Gravity Rollertrack	HRT-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame	BDF-series, HDFL-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity freefall primary	BDF-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity single and twin fall outrigger	BFOD-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single arm Slewing	BDR-series, BLR-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BDA-series, BDFA-series, BFRD- series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	BDTD-series, TT-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin / Single Fall Gravity Rollertrack	BDTW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Pivoting / Luffing	BDH-series, BDMS-series, HINGED GRAVITY-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series
BADA HEAVY INDUSTRIES CO., LTD.	Free fall secondary hydraulic A Frame	HDF-series, HDL-series
BADA HEAVY INDUSTRIES CO., LTD.	Single arm Slewing	BHI-RLD-series
BADA HEAVY INDUSTRIES CO., LTD.	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDHP-series
BIANCHI & CHECCHI	Gravity single and twin fall outrigger	PE-series, PET-series
BOPP TREUILS JEB	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BHD-series
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series
CRAMM YACHTING SYSTEMS B.V	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	CDT 7000-series

DAELIM TECHNOLOGY CO. LTD. (HYUNDAI)	Free fall secondary hydraulic A Frame	FF-740-series
DAVIT INTERNATIONAL	Free fall secondary hydraulic A Frame	D-FH-series
DAVIT INTERNATIONAL	Gravity freefall primary	D-TF-series
DAVIT INTERNATIONAL	Gravity single and twin fall outrigger	D-FO-series, D-FOS-series
DAVIT INTERNATIONAL	Single arm Slewing	D-BR-series, D-CR.R-series, D- CRH.R-series, D-CRM-series, D- FOS-series, D-RC-series, D- RC.T- series, D-SR04-series, D.BC.R- series, D.CRE.R-series
DAVIT INTERNATIONAL	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	D-NPS.FR-series, D-NPS.MP- series, D-NPS.SP-series, D-TT.SP.- series
DAVIT INTERNATIONAL	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	D-FP.R-series, D-TT-series, DTT.SP-series
DAVIT INTERNATIONAL	Twin / Single Fall Gravity Rollertrack	D-RT-series
DAVIT INTERNATIONAL	Twin Fall Gravity Pivoting / Luffing	D-NP-series, D-NP.MP-series
DAVIT INTERNATIONAL	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	D-NP-series, D-SP-series
DENIZSAN	Free fall secondary hydraulic A Frame	DSFDD-series
DENIZSAN	Single arm Slewing	DRBD-series, DRBLRD-series, DSRBD-series
DENIZSAN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSFRB-series, DSRB-series
DONGNAM ENTERPRISE., CO LTD	Twin Fall Gravity Pivoting / Luffing	DLB-series
DONGNAM MARINE CRANE CO., LTD.	Single arm Slewing	DCPV-series, DNRD-series, DRBLRD-series, DRLD-series, DSAC-series, DSAD-series
DONGNAM MARINE CRANE CO., LTD.	Twin Fall Gravity Pivoting / Luffing	DHGD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Single arm Slewing	DBD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Fall Gravity Pivoting / Luffing	DWS-series
DSB ENGINEERING CO LTD	Free fall secondary hydraulic A Frame	DRM-FFD-series, DSBDF-series
DSB ENGINEERING CO LTD	Single arm Slewing	DSB23DR-series
DSB ENGINEERING CO LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSBARH-series, DSB DP-series, DSBDR-series
DSB ENGINEERING CO LTD	Twin Fall Gravity Pivoting / Luffing	DSBDL-series, DSB DTL-series
DSB ENGINEERING CO LTD	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	DSBDYL-series
EO LIFESAVING	Single arm Slewing	CH-52-series
FASSMER	Free fall secondary hydraulic A Frame	FFH-series
FASSMER	Gravity freefall primary	FLR-series
FASSMER	Single arm Slewing	FSARR-series

FASSMER	Twin Fall Gravity Pivoting / Luffing	FPD-series
FASSMER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	FMPD-series
FASSMER MARLAND	Free fall secondary hydraulic A Frame	FFH-series
FERRI	Single arm Slewing	1872 TN-series
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single arm Slewing	PJ1385-series
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	PJ-1386-series
GLOBAL DAVIT	Gravity single and twin fall outrigger	GSP.O-series, RSP.O-series
GLOBAL DAVIT	Single arm Slewing	FHS-series, FHS.L-series, FHS.R- series, FHS.R.L-series, FHS.R.L.S-series, FHS.R.S-series, FHS.S-series, LMES.S-series, LML-series, LMS-series, LMS.S- series, R RMS-series, RHL-series, RHP-series, RHS-series, RHS.L- series, RHS.L.S-series, RHS.S- series, RMES.L.S-series, RMES.S- series, RML-series, RMS.L-series, RMS.L.S-series, RMS.S-series
GLOBAL DAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RHP-series, RHP.HC-series
GLOBAL DAVIT	Twin / Single Fall Gravity Rollertrack	GLP.RT-series, GSP.RT-series, GSP.RT, GLP.RT-series
GLOBAL DAVIT	Twin Fall Gravity Pivoting / Luffing	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-series
GLOBAL DAVIT	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GLP.FLH-series, GLP.FPH-series, GSP.FLH-series, GSP.FPH-series, RHL-series, RHP-series
GREBEN	Free fall secondary hydraulic A Frame	HFF-series
GREBEN	Gravity single and twin fall outrigger	FOD-series
GREBEN	Single arm Slewing	RLC-series, SAR-series
GREBEN	Twin / Single Fall Gravity Rollertrack	GR-RTD-series
GREBEN	Twin Fall Gravity Pivoting / Luffing	SPG-series
GREBEN	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GD-PD-series, HD-series
GURDESAN	Free fall secondary hydraulic A Frame	GD-FFD-series
GURDESAN	Single arm Slewing	GD-KHK-series, GD-RRS-series
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, HHD-PC-series
HANYOUNG ENTERPRISE	Single arm Slewing	RESCUE BOAT DAVIT-series
HARDING (UMO SCHAT HARDING)	Free fall secondary hydraulic A Frame	FF-series

HARDING (UMO SCHAT HARDING)	Gravity freefall primary	FFB-series, LA-series
HARDING (UMO SCHAT HARDING)	Gravity single and twin fall outrigger	HD-FL-series, ORD-series
HARDING (UMO SCHAT HARDING)	Single arm Slewing	LAR-series, SAR-series, SPR-series, SRR-series
HARDING (UMO SCHAT HARDING)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SA-series
HARDING (UMO SCHAT HARDING)	Twin / Single Fall Gravity Rollertrack	GRA-series, HD-RT-series
HARDING (UMO SCHAT HARDING)	Twin Fall Gravity Pivoting / Luffing	HD-SPG-series, HD-VIP-series, SPG(VL)-series
HARDING (UMO SCHAT HARDING)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SPD-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single arm Slewing	MOB-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin / Single Fall Gravity Rollertrack	NT-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	NDP-series, SPG(L)-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPDS-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Free fall secondary hydraulic A Frame	LA-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NTD-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin / Single Fall Gravity Rollertrack	ND-series
HARDING (WATERCRAFT)	Twin / Single Fall Gravity Rollertrack	WRG-series
HATECKE (ERNST HATECKE)	Free fall secondary hydraulic A Frame	FFA-series
HATECKE (ERNST HATECKE)	Gravity freefall primary	FFB-series
HATECKE (ERNST HATECKE)	Gravity single and twin fall outrigger	GSP.O-series
HATECKE (ERNST HATECKE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GSP.FP-series
HOLEN AS	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	KOPAS A-1000-series
HYDRAMASKIN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A-15-series
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing	MUL-series
IKNOW MACHINERY (TSUJI HEAVY INDUSTRIES)	Twin Fall Gravity Pivoting / Luffing	HD-series

IMT CO., LTD	Single arm Slewing	ILR-series
JAPAN MARINE UNITED CORP.	Free fall secondary hydraulic A Frame	MUFJ-series
JAPAN MARINE UNITED CORP.	Single arm Slewing	MUR21J-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Free fall secondary hydraulic A Frame	JYF-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Gravity single and twin fall outrigger	JYP-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single arm Slewing	JYR-series, JYRCA-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JYA-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin / Single Fall Gravity Rollertrack	JYGR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Gravity Pivoting / Luffing	JYL-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JYHG-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	Twin Fall Gravity Pivoting / Luffing	NPT 60 DL-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Free fall secondary hydraulic A Frame	NPT-DF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Gravity single and twin fall outrigger	NPT-DP-series, NPT-PL-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single arm Slewing	NPT-DR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPT- BE-series, NPT-DR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Fall Gravity Pivoting / Luffing	NPT-DL-series, NPT-DP-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPT-DYL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Free fall secondary hydraulic A Frame	JY-FH-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Gravity single and twin fall outrigger	JYPL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single arm Slewing	JYSA-series

JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JY-LFR-series, JY-LRHE-series, JY-PLR-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin / Single Fall Gravity Rollertrack	JYHE-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Pivoting / Luffing	JYPL-series
JIANGYINSHI BEIHAI	Free fall secondary hydraulic A Frame	FA-series
JIANGYINSHI BEIHAI	Gravity single and twin fall outrigger	PD-series
JIANGYINSHI BEIHAI	Single arm Slewing	SA-series, SMR-series
JIANGYINSHI BEIHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	EHRD-series, FRH-series, SRH- series
JIANGYINSHI BEIHAI	Twin / Single Fall Gravity Rollertrack	HB-H-series, RB-H-series
JIANGYINSHI BEIHAI	Twin Fall Gravity Pivoting / Luffing	BH-G-series, LA-series, LB-H- series
JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BHGH-series
JUNG-A-MARINE CO., LTD	Single arm Slewing	PCRLC-series
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing	RB-series
KYORITSU KIKAI	Free fall secondary hydraulic A Frame	LAF-MUF68-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	G-TYPE-series, HMD A32 MK3-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A-TYPE-series, HLD-series, HMC- series, HMD-series
MACGREGOR (TTS) HYDRAMARINE)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	T-TYPE-series
MANSEI	Free fall secondary hydraulic A Frame	D-FH-series, FE-series, MFH- series
MANSEI	Single arm Slewing	R-series, RD-series, SAR-series, SR-series
MANSEI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HER-series
MANSEI	Twin / Single Fall Gravity Rollertrack	AT-series, GRA-series
MANSEI	Twin Fall Gravity Pivoting / Luffing	ABD-series, AH-series, AV-series, CM-series, EH-series, EM-series, M-series
MENAROM SA	Single arm Slewing	CMPS 21-series
MIURA MACHINE CO., LTD (MIURA VIDER) (MANSEI)	Twin Fall Gravity Pivoting / Luffing	MVD-series, SPG(VD)-series
NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	Single arm Slewing	AR14-series

NANJING DONGSHENG MARINE EQUIPMENT CO.,LTD	Single arm Slewing	ARL21-series
NAVIGATION'S	Single arm Slewing	1,1-series, 1.2 LL-series
NAVIM GROUP	Gravity single and twin fall outrigger	FDRB-series
NAVIM GROUP	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	SPDT-L-series, SPDT-R-series, SPDT-T-series
NAVIM GROUP	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SGHD- L-series, SPHD- T-series
NAVIM GROUP (TECNIMPIANTI S.P.A)	Single arm Slewing	NHRB-series
NED-DECK MARINE (PALFINGER)	Free fall secondary hydraulic A Frame	FFH-series
NED-DECK MARINE (PALFINGER)	Gravity single and twin fall outrigger	FPG-series
NED-DECK MARINE (PALFINGER)	Single arm Slewing	SCH-series, SCM-series, SCT- series, SEC-series
NED-DECK MARINE (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PFH-series, PRH-series, PRHE- series
NED-DECK MARINE (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	PL-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Free fall secondary hydraulic A Frame	YZF-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Single arm Slewing	YZ-series, ZFDZ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Free fall secondary hydraulic A Frame	NMF55KN-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity single and twin fall outrigger	NMPL-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NM-series, NMAR-series
NMF	Single arm Slewing	BPK-series, KD.2-series
NOR DAVIT	Gravity single and twin fall outrigger	PL-series
NOR DAVIT	Twin Fall Gravity Pivoting / Luffing	SDP-series
NOREQ (PALFINGER)	Gravity single and twin fall outrigger	NRD-series
NOREQ (PALFINGER)	Single arm Slewing	SCH-series, SCH-R-series, SCHD- series, SCM-L-series, SCM -R- series
NOREQ (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPD-series
NOREQ (PALFINGER)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series

NORSAFE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-series
ORIENTAL PRECISION	Single arm Slewing	RD-series, SHS-series
ORIENTAL PRECISION	Twin / Single Fall Gravity Rollertrack	RTD-series
ORIENTAL PRECISION	Twin Fall Gravity Pivoting / Luffing	DHA-series, DMA-series, HGD- series, HGK-series
ORIENTAL PRECISION - SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SHS-series
PALFINGER	Free fall secondary hydraulic A Frame	NPT-DF-series
PALFINGER	Gravity freefall primary	FF-series
PALFINGER	Gravity single and twin fall outrigger	FPG-series
PALFINGER	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCH-R-series, SCM-L-series, SCM-R-series
PALFINGER	Twin / Single Fall Gravity Rollertrack	NPT-series
PALFINGER	Twin Fall Gravity Pivoting / Luffing	NPT-series
PALFINGER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series, PFH-series
PALFINGER (UMO SCHAT HARDING)	Twin Fall Gravity Pivoting / Luffing	VIP-series
PELLEGRINI MARINE EQUIPMENT	Single arm Slewing	CHCD 2,507+ RLC 2.1/4.5-series, RLC-series
PELLEGRINI MARINE EQUIPMENT	Twin Fall Gravity Pivoting / Luffing	GRA-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall secondary hydraulic A Frame	BD-FF-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Gravity single and twin fall outrigger	BD-PL-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single arm Slewing	BD- SA-series, BD-SH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BD-AR-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Fall Gravity Pivoting / Luffing	BD-PV-series
REDROCK	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RDA-series
REDROCK	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	RDT-series
SCAHT DAVIT COMPANY	Gravity single and twin fall outrigger	FFFDA-series
SCHAT DAVIT COMPANY	Single arm Slewing	SPR-series

SCHAT HARDING	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	FR.P.SP-series
SEC (SHIPS EQUIPMENT CENTRE)	Free fall secondary hydraulic A Frame	HP2-series
SEC (SHIPS EQUIPMENT CENTRE)	Single arm Slewing	HS-series, MS-series
SEC (SHIPS EQUIPMENT CENTRE)	Twin / Single Fall Gravity Rollertrack	SP3-series
SEKIGAHARA	Free fall secondary hydraulic A Frame	SF-series
SEKIGAHARA	Single arm Slewing	SJS-series
SEKIGAHARA	Twin / Single Fall Gravity Rollertrack	AT-series, STS-series
SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SFA-series, SFB-series, SFP-series, SHS-series
SEKIGAHARA SEISKUSHO LTD	Twin / Single Fall Gravity Rollertrack	ST-series
SEKWANG MARINE MACHINERY CO, LTD	Single arm Slewing	RBD-series, SINGLE ARM SLEWING-series
SERVO SHIP S.L	Free fall secondary hydraulic A Frame	FFR-20-series
SERVO SHIP S.L	Single arm Slewing	PR4M1100HR-series
SEZAMOR	Single arm Slewing	ZZ-ZOL-series, ZZ-ZOT-series
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Free fall secondary hydraulic A Frame	FH-series
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Single arm Slewing	SAFC-series
SHEYANG VICTOR MARINE AUXILIARIES CO., LTD	Single arm Slewing	21 KN-series
SHIN MYUNG TECH	Single arm Slewing	SMLRD-25P-series, SMRB&LRD-FT-series, SMRBD-SD-series, SMRBD&LRD-series, SMRBD&PV-series
SPP SHIPBUILDING CO LTD.	Twin Fall Gravity Pivoting / Luffing	SBD-5800-series
STOCZNIA USTKA SP. Z O.O.	Free fall secondary hydraulic A Frame	HZ-series
STOCZNIA USTKA SP. Z O.O.	Gravity freefall primary	PZ-series
SURVIVAL SYSTEMS INT	Gravity single and twin fall outrigger	PL-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Free fall secondary hydraulic A Frame	55KN-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Single arm Slewing	21KN BOAT/RAFT DAVIT-series
TECH FLOWER CO., LTD.	Single arm Slewing	H1PC-series
TECHNIMPIANTI S.P.A	Twin / Single Fall Gravity Rollertrack	FRB-series
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series
TSUJI HEAVY INDUSTRIES	Twin / Single Fall Gravity Rollertrack	T83-series, TC-series
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing	H-series

TTS (HYDRALIFT)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HL-series
TTS (HYDRALIFT)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HL9D-series
ULSTEIN FAMA (FAMA GNIEW)	Single arm Slewing	ZO-series, ZT-series
VANGUARDE	Gravity single and twin fall outrigger	PL-series
VANGUARDE	Single arm Slewing	HS-series, MS-series, VS-series
VANGUARDE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DH-series, PR-series, PRH-series
VANGUARDE	Twin Fall Gravity Pivoting / Luffing	LE-series, VL-series
VANGUARDE	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PFH-series, SRH-series
VERHOEF	Free fall secondary hydraulic A Frame	FL-series
VESTDAVIT	Free fall secondary hydraulic A Frame	PLA-series
VESTDAVIT	Single arm Slewing	L-series
VESTDAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	P-series, PAP-series, PAPH- series, PL-series, PLAR-series, PLD-series, PLI-series, PLP-series, PLR-series
VESTDAVIT	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	TBD-series
VIKING (NORSAFE)	Gravity freefall primary	SW-series
VIKING (NORSAFE)	Gravity single and twin fall outrigger	A-series, C-series, D-series, NDC- series
VIKING (NORSAFE)	Single arm Slewing	CH-52-series, NRC-series, NRC-R- series
VIKING (NORSAFE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series, NRB-series
VIKING (NORSAFE)	Twin Fall Gravity Pivoting / Luffing	E-series
VIKING (NORSAFE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	LH-series
VIKING (NORSAFE) (JIANGYIN)	Single arm Slewing	NDSC-series, NDSC-R-series
VIKING (NORSAFE) (JIANGYIN)	Free fall secondary hydraulic A Frame	HD-series
WELIN LAMBIE	Single arm Slewing	LRW-series, SARBE-series
WELIN LAMBIE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PIV.1.0A-series
WUXI DONGWU	Free fall secondary hydraulic A Frame	F55-F70-series, NPT100F-series
WUXI DONGWU	Single arm Slewing	21 - 35KN-series, DCW210-series
WUXI DONGWU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A30/H35-series

WUXI DONGWU	Twin / Single Fall Gravity Rollertrack	25KN -30KN-series
WUXI DONGWU	Twin Fall Gravity Pivoting / Luffing	18KN-110KN-series
WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing	23KN-series
WUXI HUAHAI	Gravity single and twin fall outrigger	PD-series
WUXI HUAHAI	Single arm Slewing	HMD 21_32_M-series
WUXI HUAHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series
WUXI HUAHAI	Twin Fall Gravity Pivoting / Luffing	HMD60-85-110-series
WUXI JIANGNAN MARINE EQUIPMENT CO., LTD	Single arm Slewing	ZFQ-series
WUXI SHENGOU	Free fall secondary hydraulic A Frame	SMDF-series
WUXI SHENGOU	Single arm Slewing	SMC-series, SMD-series
WUXI SHENGOU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series
WUXI SHENGOU	Twin / Single Fall Gravity Rollertrack	SMD-series
WUXI SHENGOU	Twin Fall Gravity Pivoting / Luffing	SHMDL-series
YILMAZ DENIZCILIK	Single arm Slewing	YDGS-series
YOUNGNAM MACHINERY CO.LTD	Twin Fall Gravity Pivoting / Luffing	YNBD-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Single arm Slewing	SA23-1-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Twin Fall Gravity Pivoting / Luffing	LB-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	YSJ-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Free fall secondary hydraulic A Frame	FH-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Single arm Slewing	SA23-1-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single arm Slewing	SAF14-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single arm Slewing	MSD-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Free fall secondary hydraulic A Frame	FH-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Twin Fall Gravity Pivoting / Luffing	L-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Free fall secondary hydraulic A Frame	FH-series

ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Gravity single and twin fall outrigger	PL-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single arm Slewing	HDCL-series, SAF-series, SAFC- series, SAW30-series, ZF-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Fall Gravity Pivoting / Luffing	LE-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single arm Slewing	WME-SAD-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WME-LRH35-series

3) Release Gear (Maker / Model / Type) training by Cralog

Maker	Type	Model / Series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices For Activating Release: Central Release Unit	BD-LH-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Freefall Hydraulic / mechanical	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload lift over center	BHR-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload w. Onload capability	BHR25S-series
BALDEN	Lifeboat on load lift not over centre, flat to flat rotating cams	BD-LBH-series
BALDEN	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	BDHR-series
BC SERVICE	Devices For Activating Release: Central Release Unit	U HOOK-series
BC SERVICE	Devices For Activating Release: Hydrostatic Unit with Diaphragm	U HOOK-series
BC SERVICE	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	U HOOK-series
BC SERVICE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	U-ARH 3.5T-series
BC SERVICE	Rescue boat offload lift over center	U HOOK-series
CHANG SHENG	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	35KN-series

CRANSTON EAGLE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	APR-356- CB/CBH-series
DAE JIN CO. LTD	Freefall Hydraulic / mechanical	THP-1B-series
DAVIT INTERNATIONAL	Rescue boat offload lift over center	OLH-series
DAVIT INTERNATIONAL	Rescue boat offload w. Onload capability	RH-series
FASSMER	Devices For Activating Release: Central Release Unit	DUPLEX < 6.6T-series, DUPLEX > 6T-series
FASSMER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series
FASSMER	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6.6T-series, DUPLEX > 6T-series
FASSMER	Freefall Hydraulic / mechanical	F-series
FASSMER	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series
FASSMER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6T-series
GEPA	Devices for activating release: Free Fall Hydraulic Primary and Secondary	G-FFRM-01-series
GEPA	Freefall Hydraulic / mechanical	G-FFRM-01-series
GEPA	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	G-K-series
GLOBAL DAVIT	Lifeboat on load lift not over centre	HRL-series
GLOBAL DAVIT	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	HRL.26-series
GLOBAL DAVIT	Rescue boat offload lift over center	HRN-series
GLOBAL DAVIT	Rescue boat offload w. Onload capability	HR-series
GREBEN	Devices For Activating Release: Central Release Unit	NLH-series
GREBEN	Devices For Activating Release: Electronic Sensor	NLH-series
GREBEN	Lifeboat on load lift not over centre, up and down pins / collars	NLH-series
HARDING (UMO SCHAT HARDING)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series

HARDING (UMO SCHAT HARDING)	Freefall Hydraulic / mechanical	FFH-series
HARDING (UMO SCHAT HARDING)	Rescue boat offload w. Onload capability	RRH-series
HARDING (UMO SCHAT HARDING) (FAST RSQ)	Fast rescue boat offload / Manual or automatic	CAR-35F-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Central Release Unit	KH6.5M2-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	KH6.5M2-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	KH6.5M2-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LH3.5M2-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	ARH-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Central Release Unit	LHR-series, LHR M2-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	LHR-series, LHR M2-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LHR-series, LHR M2-series
HATECKE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	SIMPLEX 2.0I OFF LOAD-series
HATECKE (ERNST HATECKE)	Devices For Activating Release: Central Release Unit	DUPLEX < 6T-series, DUPLEX > 6T-series
HATECKE (ERNST HATECKE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GFF-series
HATECKE (ERNST HATECKE)	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6T-series, DUPLEX > 6T-series
HATECKE (ERNST HATECKE)	Fast Rescue Boat Offload with On-Load Capability	SIMPLEX 1,85-series
HATECKE (ERNST HATECKE)	Freefall Hydraulic / mechanical	GFF-series
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6 T-series
HATECKE (ERNST HATECKE)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	RAFTI 2.5-series

HATECKE (ERNST HATECKE)	Rescue boat offload w. Onload capability	SIMPLEX-series
HENRIKSEN	Fast rescue boat offload / Manual or automatic	HCH-series, HMK-series, HMK ST 3,5-series
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Central Release Unit	TALON II-series, TALON MK 1-series
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TALON II-series, TALON MK 1-series
HLB (HYUNDAI LIFEBOATS)	Freefall Hydraulic / mechanical	TALON 4.6T-series
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, flat to flat rotating cams	TALON MK 1-series
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON II-series
HOEI SENPAKU CO., LTD	Devices For Activating Release: Central Release Unit	HS-series, HS520 96-series, HS650 96-series
HOEI SENPAKU CO., LTD	Devices For Activating Release: Hydrostatic Unit with Diaphragm	HS-series, HS 520 96-series, HS650 96-series
HOEI SENPAKU CO., LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96-series
HOEI SENPAKU CO., LTD	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series
HOEI SENPAKU CO., LTD	Lifeboat on load lift not over centre, up and down pins / collars	HS520 83-series, HS650 83-series
HYUNDAI LIFEBOAT CO., LTD	Devices for activating release: Free Fall Hydraulic Primary and Secondary	TALON 4.6T-series
IHI MARINE UNITED INC	Devices For Activating Release: Central Release Unit	JX-1-series
IHI MARINE UNITED INC	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series
IHI MARINE UNITED INC	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
JAPAN MARINE UNITED CORP.	Fast Rescue Boat Offload with On-Load Capability	JX-3-series
JAPAN MARINE UNITED CORP.	Freefall Hydraulic / mechanical	JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Central Release Unit	JX-1-series, JX-1B-series, JX-4-series, JXN-1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series

JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Freefall Hydraulic / mechanical	JX-2-series, JX-4-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JX-1B-series, JXN- series, JXN-1B-series, JXN-1C- series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Central Release Unit	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HCK-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Hydrostatic Unit with Float	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Fast Rescue boat offload	NPT-30 HK-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Freefall Hydraulic / mechanical	NPT 70HKF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	NPT-HK-series, NPT 50-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	NPT-HKC-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	NPT-HK25F-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat offload w. Onload capability	NPT-HK25R-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Central Release Unit	HK-series, JX-1-series, LB80MR- series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series, LB80MR-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Fast Rescue Boat Offload with On-Load Capability	HK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Freefall Hydraulic / mechanical	FHK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LB80MR-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
JIANGYINSHI BEIHAI	Devices For Activating Release: Central Release Unit	JYB-HK-series

JIANGYINSHI BEIHAI	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JYB-HK-series
JIANGYINSHI BEIHAI	Fast Rescue Boat Offload with On-Load Capability	JYB-HK-series
JIANGYINSHI BEIHAI	Freefall Hydraulic / mechanical	JYB-HKF-series
JIANGYINSHI BEIHAI	Lifeboat on load lift not over centre, Curve to flat rotating cams	JYB-HK-series
KCL (KOLBERG CASPERY LAUTOM A/S)	Lifeboat on load lift over centre	NOA LRRS-series
LALIZAS	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	LAR 36-series
LSA SERVICE GMBH	Rescue boat offload lift over center	LSA-H2,1-series
MADROCK	Devices For Activating Release: Central Release Unit	ROCLOC-series
MADROCK	Devices For Activating Release: Hydrostatic Unit with Float	ROCLOC-series
MADROCK	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	ROCLOC-series
MANSEI	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	RH-series, RH3-series
NED-DECK MARINE (PALFINGER)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	CAR 35-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Devices For Activating Release: Central Release Unit	HK-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Freefall Hydraulic / mechanical	JX-2-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Central Release Unit	IHM 12-series, IHM 13-series, NS- series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	F-series, ML-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Hydrostatic Unit with Float	IHM 12-series, IHM 13-series, NS- series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Freefall Hydraulic / mechanical	F-series, ML-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Lifeboat on load lift not over centre, Curve to flat rotating cams	NS-series, SR-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Lifeboat on load lift not over centre, flat to flat rotating cams	IHM 12-series, IHM 13-series

NOREQ (PALFINGER)	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series
NORMAR (NORWEGIAN MARINE EQUIPMENT)	Devices For Activating Release: Central Release Unit	JX-4-series
NORMAR (NORWEGIAN MARINE EQUIPMENT)	Freefall Hydraulic / mechanical	JX-2-series, JX-4-series
NORSAFE	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TOR MK 2-S/6 TON-series
OPTIMUM MARINE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	31-37KN-series
PALFINGER	Devices For Activating Release: Central Release Unit	NADIRO D.I.B.SERIES-series
PALFINGER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series, NPT-series
PALFINGER	Fast rescue boat offload / Manual or automatic	CAR-35F-series
PALFINGER	Freefall Hydraulic / mechanical	FFH-series
PALFINGER	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	CAR 35-series
PALFINGER	Rescue boat offload w. Onload capability	RRH-series
PESBO S.A	Freefall Hydraulic / mechanical	BSL-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Central Release Unit	BG-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Diaphragm	BG-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Freefall Hydraulic / mechanical	BG-F-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat on load lift not over centre, flat to flat rotating cams	BG-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue boat offload w. Onload capability	BG-2R-series
SERVO SHIP S.L	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	200-series
SEZAMOR	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	HS-series
SEZAMOR	Rescue boat offload lift over center	HLR-series
SHIGI SHIPBUILDING CO. LTD.	Devices For Activating Release: Central Release Unit	SRS-series, SZK-30-series, SZK-5- series

SHIGI SHIPBUILDING CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Float	SRS-series, SZK-30-series, SZK-5- series
SHIGI SHIPBUILDING CO. LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	SRS-series
SHIGI SHIPBUILDING CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	SZK-series, SZK-25M-series, SZK-30-series, SZK5-series
SURVITEC (SCI)	Devices For Activating Release: Central Release Unit	SAFELAUNCH-series
SURVITEC (SCI)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	SAFELAUNCH-series
SURVITEC (SCI)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	SAFELAUNCH-series
SURVITEC (SCI)	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	SLA 3.5-series
SURVIVAL SYSTEMS INT.	Devices For Activating Release: Central Release Unit	SURESAFE-series, TRIPLE 5- series, TRIPLE 5 LX-series
SURVIVAL SYSTEMS INT.	Lifeboat on load lift over centre	SURESAFE-series, TRIPLE 5- series, TRIPLE 5 LX-series
T-ISS	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	21-25 KN-series, 31-37 KN-series
T-ISS BV	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	PX02-series, PX01-series
T-ISS BV	Rescue boat offload w. Onload capability	PX03-series
TSUNEISHI	Devices For Activating Release: Central Release Unit	43GS-1-series
TSUNEISHI	Devices For Activating Release: Hydrostatic Unit with Diaphragm	43GS-1-series
TSUNEISHI	Lifeboat on load lift not over centre, up and down pins / collars	43GS-1-series
VANGUARDE	Devices For Activating Release: Central Release Unit	C-SAFE-series, SH-series
VANGUARDE	Devices For Activating Release: Hydrostatic Unit with Diaphragm	C-SAFE-series, SH-series
VANGUARDE	Lifeboat on load lift not over centre, Curve to flat rotating cams	C-SAFE-series, SH-series
VERHOEF	Devices for activating release: Free Fall Hydraulic Primary and Secondary	TWISTLOCK-series
VERHOEF	Freefall Hydraulic / mechanical	TWISTLOCK-series
VESTDAVIT	Rescue boat offload lift over center	LB-series

VIKING NORSAFE	Rescue boat offload lift over center	VIKING 1.6-series
VIKING (NADIRO)	Lifeboat on load lift over centre	DIB-series
VIKING (NORSAFE)	Devices For Activating Release: Central Release Unit	NADIRO D.I.B-series, TOR MK 1-series, TOR MK 2-series
VIKING (NORSAFE)	Devices For Activating Release: Electronic Sensor	NADIRO D.I.B-series
VIKING (NORSAFE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GES-series, HRS-series, NFFH- series
VIKING (NORSAFE)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TOR MK 1-series, TOR MK 2-series
VIKING (NORSAFE)	Fast Rescue boat offload	K4-series
VIKING (NORSAFE)	Freefall Hydraulic / mechanical	HRS-series, NFFH-series
VIKING (NORSAFE)	Lifeboat on load lift not over centre, flat to flat rotating cams	TOR MK 1-series, TOR MK 2-series
VIKING (NORSAFE)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	RCH 36-series
WILLIAM MILLS	Devices For Activating Release: Central Release Unit	TITAN-series
WILLIAM MILLS	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TITAN-series
WILLIAM MILLS	Lifeboat Offload release lift over centre	EMPRESS-series
WILLIAM MILLS	Lifeboat on load lift not over centre, flat to flat rotating cams	TITAN-series
WUXI HAIHONG BOAT MAKING CO., LTD	Devices For Activating Release: Central Release Unit	HH43-series
WUXI HAIHONG BOAT MAKING CO., LTD	Devices For Activating Release: Hydrostatic Unit with Diaphragm	HH43-series
WUXI HAIHONG BOAT MAKING CO., LTD	Lifeboat on load lift not over centre, up and down pins / collars	HH43-series
WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	250T 25-series, 31-37KN-series
WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	Rescue boat offload w. Onload capability	15KN-series
WUXI WENJIAO	Fast Rescue Boat Offload with On-Load Capability	HK-series
WUXI XINGSHENG	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	21KN_23KN_25KN_35KN-series, XS-series
WUXI XINGSHENG	Rescue boat offload w. Onload capability	15KN-series, XS15-series

ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Fast Rescue Boat Offload with On-Load Capability	HK-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Freefall Hydraulic / mechanical	HK-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Freefall Hydraulic / mechanical	SH-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat Offload with On-Load Capability	HK40-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series

4) Winch (Maker / Model / Type) training by Cralog

Maker	Type	Model / Series
A TECH	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	AT10-LRD-series
ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	TBE-series
ACEBI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TR-series
ACEBI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	TBE-series
ACOIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BE-2-series
ACTA	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	KNT-series
ALEXANDER WELIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	AIW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BDF-series, BLW-series, BMW- series, BRW-series

BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Drum, hydraulic-lowering/hydraulic hoisting	HDF-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BA-series, BM-series, ELEC. MOTOR DRIVEN-series, PWD-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BDTW-series, BMW-series, BW- series, BWR-series
BADA HEAVY INDUSTRIES CO., LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BHI-EHW-series, BLW-series
BOPP TREUILS JEB	Single Drum, hydraulic-lowering/hydraulic hoisting	BHP 4200-series
BREVINI	Single Drum, hydraulic-lowering/hydraulic hoisting	PWD-series
BRYNE MEKANIKK AS	Single Drum, hydraulic-lowering/hydraulic hoisting	H02D1D-series
CRAMM YACHTING SYSTEMS B.V	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BWF1500-series
DAVIT COMPANY	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	16 EV-series, FME-series
DAVIT COMPANY	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	24EPB-series
DAVIT INTERNATIONAL	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	01KN-series, 02KN-series, 03 KN- series, 04KN-series, 07KN-series
DAVIT INTERNATIONAL	Single Drum, hydraulic-lowering/hydraulic hoisting	06KN-series
DAVIT INTERNATIONAL	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	12-series, 40-series

DENIZSAN	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	MTV1-series
DINAMIC OIL	Single Drum, hydraulic-lowering/hydraulic hoisting	FHW-series
DONGNAM ENTERPRISE.,CO LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HLW-series
DONGNAM MARINE CRANE CO.,LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DSAD-series
DONGNAM MARINE CRANE CO.,LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DRBD-series, DRBLRW-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DBD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LW-series
DSB ENGINEERING CO LTD	Single Drum, hydraulic-lowering/hydraulic hoisting	DRM-HW-series
EO LIFESAVING	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series
FASSMER	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DEW-series
FASSMER	Single Drum, hydraulic-lowering/hydraulic hoisting	FFWH-series
FASSMER	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	FDW-series

FASSMER	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FDW-series
FASSMER MARLAND	Single Drum, hydraulic-lowering/hydraulic hoisting	FFWH-series
FERRI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	1702 TN-series
GLOBAL DAVIT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	W01KN-series, W02KN-series, W03KN-series, W04KN-series, W08KN-series
GLOBAL DAVIT	Single Drum, hydraulic-lowering/hydraulic hoisting	02H.06.01-series, W05HC-series, W08HC-series, WS-series
GLOBAL DAVIT	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	04KN-series, 14KN-series, 20KN- series, 26KN-series, W07KN- series, W10KN-series
GREBEN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	EW-2-series
GREBEN	Single Drum, hydraulic-lowering/hydraulic hoisting	HW-series
GREBEN	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	CW-series, EW-series
GURDESAN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GD-FLW-series
GURDESAN	Single Drum, hydraulic-lowering/hydraulic hoisting	GD-HC-A-series, GD-KV 35-series
HAEAN MACHINERY IND. CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HMI-series
HAEAN MACHINERY IND. CO. LTD.	Single Drum, hydraulic-lowering/hydraulic hoisting	HHD-PC-series

HARDING (UMO SCHAT HARDING)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	HD-series, MW-series
HARDING (UMO SCHAT HARDING)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	08-02-series, FM 194-series, FME-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single Drum, hydraulic-lowering/hydraulic hoisting	EW-02-PL-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	2-22-13-series, BE-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	W-series
HARDING (WATERCRAFT)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	MW-series, NW-series
HATECKE (ERNST HATECKE)	Single Drum, hydraulic-lowering/hydraulic hoisting	07.02.08-series, FFA-series
HYDRALIFT	Single Drum, hydraulic-lowering/hydraulic hoisting	SP-series
HYDRAMARINE	Single Drum, hydraulic-lowering/hydraulic hoisting	23B35T22-series

IHI MARINE UNITED INC	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MUW-series
IKNOW MACHINERY (TSUJI HEAVY INDUSTRIES)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	EB-series
IMT CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ILR-W-series
JAPAN MARINE UNITED CORP.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JYR-21-series
JAPAN MARINE UNITED CORP.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MU-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO. LTD	Single Drum, hydraulic-lowering/hydraulic hoisting	FW45-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JYA30-series, JYRZ-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYW-series, JYWP-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NPT-DW-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum, hydraulic-lowering/hydraulic hoisting	NPT-DF-series

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NPT-DS-series, NPT-DW-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JY-D 23Z-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYD-series
JIANGYINSHI BEIHAI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DZ-series
JIANGYINSHI BEIHAI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS-series, DW-series, JYBW- series
JUNG-A-MARINE CO., LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	PCRLC-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Drum, hydraulic-lowering/hydraulic hoisting	HMW-series
MANSEI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ERW-series, MLW-series, RMW- series, SW-series
MANSEI	Single Drum, hydraulic-lowering/hydraulic hoisting	06KN-series, FW-series
MANSEI	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	AW-series, CMW-series, EW- series, MW-series

MANSEI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ABW-series, FBW-series, MW 50 C-series
MENAROM SA	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	CMPS 21-series
MIURA MACHINE CO.,LTD (MIURAVIDER) (MANSEI)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LBH-series, RBH-series
NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	DB14-series
NANJING DONGSHENG MARINE EQUIPMENT CO.,LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ARL21-series
NAVIGATION'S	Single Drum, hydraulic-lowering/hydraulic hoisting	HWRB 1.2-series
NAVIM GROUP (TECNIMPIANTI S.P.A)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RBEW-series
NED-DECK MARINE (PALFINGER)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	04-series
NED-DECK MARINE (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BREVINI BWC 050-series, BREVINI BWF 025-series, HWCT-series
NED-DECK MARINE (PALFINGER)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	15-series

NOR DAVIT	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	SP-series
NOREQ (PALFINGER)	Single Drum, hydraulic-lowering/hydraulic hoisting	NW-series
ORIENTAL PRECISION	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RDW-series
ORIENTAL PRECISION	Single Drum, hydraulic-lowering/hydraulic hoisting	WL-series
ORIENTAL PRECISION	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BWE-series, SWE-series
PALFINGER	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series
PELLEGRINI MARINE EQUIPMENT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RLC-series
PELLEGRINI MARINE EQUIPMENT	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	VAS 45 E-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BW-SC-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	BW-HL-series, BW-HR-series, BW- LL-series

SEC (SHIPS EQUIPMENT CENTRE)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	WL-series
SEKIGAHARA	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	SNW-series, SWE-series
SEKWANG MARINE MACHINERY CO, LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RBW-series
SERVO SHIP S.L	Single Drum, hydraulic-lowering/hydraulic hoisting	FFRW 4500KG-series
SHEYANG VICTOR MARINE AUXILIARIES CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	14 KN-series
SPP SHIPBUILDING CO LTD.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	W-5800A-series
SURVIVAL SYSTEMS INT.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	21KN-series
TECHNIMPIANTI S.P.A	Single Drum, hydraulic-lowering/hydraulic hoisting	HW-series
TMA	Single Drum, hydraulic-lowering/hydraulic hoisting	TN/MW-series
TSUJI HEAVY INDUSTRIES	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TC-series

TSUJI HEAVY INDUSTRIES	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	EB-series
ULSTEIN FAMA (FAMA GNIEW)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ER10B-series, ERM-series
ULSTEIN FAMA (FAMA GNIEW)	Single Drum, hydraulic-lowering/hydraulic hoisting	WLZ43C-11-series
VERHOEF	Single Drum, hydraulic-lowering/hydraulic hoisting	FL 50-series
VESTVINSJ	Single Drum, hydraulic-lowering/hydraulic hoisting	A-273-7-series, BW-series
VIKING (NORSAFE)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	W-series
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic-lowering/hydraulic hoisting	HYD-FF-series
VIKING (NORSAFE) (JIANGYIN)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NW-series
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic-lowering/hydraulic hoisting	HYD-FF-series
WELIN LAMBIE	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	5619-series, 9502-series, PIV.1.0A-series, RBW-series
WELIN LAMBIE	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	53-series, 55-series, 97-series

WUXI DONGWU	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS/Z-series, DZ-series
WUXI HUAHAI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HMW-series
WUXI HUAHAI MARINE EQUIPMENT LIMITED CO. LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MW-series
YILMAZ DENIZCILIK	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	YDGS 10-series
YOUNGNAM MACHINERY CO.LTD	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	YNBW-series
ZHEJIANG HENGXIN SHIP EQUIPMENT CO.,LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	D-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DZ-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DZ-series
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Single Drum, hydraulic-lowering/hydraulic hoisting	IYJ4-50-120-20-ZP-series

ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DW-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	D-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single Drum, hydraulic-lowering/hydraulic hoisting	SAW30-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	D-series, DP-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	WME-SAD 14-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Drum, hydraulic-lowering/hydraulic hoisting	WME-LRH35-series
ZOLLERN	Single Drum, hydraulic-lowering/hydraulic hoisting	A2FM45-61A-series, ZHP-series, ZR-series

This Appendix shall be attached to the Service Supplier Approval Certificate 'LR21430549AS-01' and no signature required.

D.S. Yu
Surveyor to Lloyd's Register ASIA

a member of the Lloyd's Register group.