



**CERTIFICATE OF APPROVAL
FOR FIRMS ENGAGED IN
MAINTENANCE, THOROUGH EXAMINATION,
OPERATIONAL TESTING, OVERHAUL AND REPAIR OF
LIFEBOATS, RESCUE BOATS, FAST RESCUE BOATS,
LAUNCHING APPLIANCES AND RELEASE GEAR**

Certificate No. : 23TZ115

Approval No. : 18LA001

THIS IS TO CERTIFY that

KOSCO CO., LTD.

535, Taejong-ro, Yeongdo-gu, Busan, Republic of Korea

is approved as a firm engaged in the servicing and maintenance of lifeboats, launching appliances, on-load release gear and automatic release hooks under the Society's Rules for Approval of Manufacturers and Service Suppliers incorporating IACS UR Z17, as amended.

This certificate is valid until **9 January 2028** subject to periodical assessment.

Issued at Tokyo on 22 February 2023.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)

General Manager of Survey Department

This is to certify that the firm has been periodically or occasionally assessed in accordance with the regulations of Chapter 2, Part 1 of the Rules for Approval of Manufacturers and Service Suppliers.

Due Range of Periodical Assessment: between 10 January 2025 and 9 January 2026

*Periodical
Assessment*

Date

Signature

Surveyor to NIPPON KAIJI KYOKAI

*Occasional
Assessment*

Date

Signature

Surveyor to NIPPON KAIJI KYOKAI

Conditions for Approval:

1. This Certificate is valid subject to validity of certificate for personnel issued for each make and type of the equipment listed in the attachment.
2. This service supplier has been approved to service the equipment listed in the attachment in accordance with MSC. 402(96).
3. The service has been properly conducted and reported in accordance with the requirements of the Rules and the relevant Regulations.
4. Where there is any alteration to the service approved by this certificate, the Firm should notify immediately to the Society.

Attachment to
Certificate Number 23TZ115

Make	Type
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd.	<p><u>Totally Enclosed Lifeboat</u> - BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8</p> <p><u>Freefall Lifeboat</u> - BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A</p> <p><u>Rescue Boat</u> - BH-R4, R4S, R4SA, R5S</p> <p><u>Gravity Pivot Davit</u> - BD-PV50, PV60, PV60S, PV85, PV125</p> <p><u>Freefall Launching Davit</u> - BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85</p> <p><u>Single Arm Davit</u> - BD-SA14, 14A, 14B, SA21, 21A, SA23, SA30, 30A, SA33, SH23</p> <p><u>Winch</u> - BW-H(L/R)31, 50, 63, 75, L(L/R)75, 125, SC14, 21, YSB20-120</p> <p><u>Gravity Lifeboat Release Mechanism</u> - BG-3, 3R, 3L, BG-7, BH-HOOK3, HOOK5, FS5, FS7</p> <p><u>Freefall Lifeboat Release Mechanism</u> - BG-3F, 3.5F, 4F, 4.5F, 4.5FL, 5F, 6F</p> <p><u>Rescue Boat Release Mechanism</u> - BG-2R, 15KNXS, 21, 23, 25KNXS, 35KNXS</p>
DSB ENGINEERING CO., LTD.	<p><u>Gravity Type Lifeboat</u> - DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C</p> <p><u>Gravity Type Davit</u> - DSB60DL, DSB85DL, DSB138DL, DSB205DL</p> <p><u>Hydraulic Type Davit</u> - DSB150DYL</p> <p><u>Freefall Type Lifeboat</u> - DSB49FF/FC, DSB59FF/FC, DSB75FF/FC</p> <p><u>Freefall Type Davit</u> - DSB70DF, DSB85DF</p> <p><u>Rescue Boat</u> - DSB40R, DSB60RA/RB</p> <p><u>Rescue Boat Davit</u> - DSB23DR, DSB30ARH, DSB18/27DR</p>
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	<p><u>Gravity Davit</u> - LE55-1/65-1/85-1/100-1/138-1/170-1, HE65/85/100/138, H170, RE50/60/80/100, SRH65/85/100/120/150/170/200/230, GL65/85/110/138/165, TG65/85/110/150/170/200/230, HT80/100/150/210, LC400</p>

	<p><u>Launching Appliance Davit</u></p> <ul style="list-style-type: none"> - FH55/70/75/85/100 <p><u>Single Arm Davit and Crane</u></p> <ul style="list-style-type: none"> - SAF14, SAFC21/25, SA32, HDCL2-6.5/3-6/3-10, LA25/35 <p><u>Off-Shore Davit</u></p> <ul style="list-style-type: none"> - PL65/85/100/110/120/138/150/180/200/230 <p><u>Fastrescue Boat Davit</u></p> <ul style="list-style-type: none"> - LFR30/350/55, LFRH30/60, LEFR50, DH30, SAWH30/45/60 <p><u>Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - YH5.0QFP/QFN, YH6.5QFP/QFN, YH8.5QFP/QFN/QFP-A/QFN-A, YH10.3QFP/QFN, YH9.5QFP/QFN, YH12.0QFP/QFN, YH9.9BFP, YH12.5BFP, ZZHG-BF-12.5 <p><u>Free Fall Lifeboat</u></p> <ul style="list-style-type: none"> - YH5.9FP/FN, YH6.7FP/FN, YH7.5FP/FN, YH8.5FP/FN <p><u>Fast Rescue Boat</u></p> <ul style="list-style-type: none"> - YH6.0FRA/FRB, YH6.5FRA/FRB <p><u>Rescue Boat</u></p> <ul style="list-style-type: none"> - YH4.5R/DR, YH7.5 <p><u>Hook</u></p> <ul style="list-style-type: none"> - HK25/25B/40/40C/65, SH70/85
Jiangyin Wolong F.R.P Boat Co., Ltd.	<p><u>Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80C/F, JY80CA/FA, JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102/F, JY117C/F <p><u>Free Fall Lifeboat</u></p> <ul style="list-style-type: none"> - JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF <p><u>Rescue Boat</u></p> <ul style="list-style-type: none"> - JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR <p><u>Partially Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - JY70P, JY80P, JY85P <p><u>Open Type Lifeboat</u></p> <ul style="list-style-type: none"> - JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K <p><u>Gravity Luffing Arm Type Davit</u></p> <ul style="list-style-type: none"> - JY-LE65, JY-LE85, JY-LE100, JY-LE150 <p><u>Launching Appliance of Free-Fall Lifeboat</u></p> <ul style="list-style-type: none"> - JY-FH55, JY-FH70, JY-FH90, JY-FH155 <p><u>Platform Davit</u></p> <ul style="list-style-type: none"> - JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215 <p><u>Single Arm Boat/Raft Davit</u></p> <ul style="list-style-type: none"> - JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305 <p><u>Rescue Boat Davit</u></p> <ul style="list-style-type: none"> - JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35,

	<p>JY-SAP14, JY-SAP30</p> <p><u>Gravity Overhead Rolling Type Davit</u></p> <ul style="list-style-type: none"> - JY-HE70, JY-HE95, JY-HE120, JY-HE155 <p><u>Telescopic Boom Type Davit</u></p> <ul style="list-style-type: none"> - JY-TBD 120, JY-TBD 215, JY-TBD35 <p><u>Hydraulic Luffing Arm Type Davit</u></p> <ul style="list-style-type: none"> - JY-GYE70, JY-GYE120, JY-GYE185 <p><u>Connecting Rod Type Davit</u></p> <ul style="list-style-type: none"> - JY-GL70, JY-GL95, JY-GL120, JY-GL185 <p><u>Winch</u></p> <ul style="list-style-type: none"> - JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JY-SAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70, JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY-DP110S/Z, JY-DP150/Z, JY-DP185, JY-DP215 <p><u>Release Mechanism of Lifeboat/Rescue Boat</u></p> <ul style="list-style-type: none"> - HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS
ARIM Machinery & Engineering Co.	<p><u>Davit Launching Appliance</u></p> <ul style="list-style-type: none"> - ARPV series, ARLD series
Oriental Precision & Engineering Co., Ltd.	<p><u>Hinged Gravity Type Davit & Winch</u></p> <ul style="list-style-type: none"> - Davit: HGD series, HGK series, SHS series, RTD series, DHA series, DMA series - Winch: BWE series, SWE series, WL series <p><u>Free Fall Davit & Winch</u></p> <ul style="list-style-type: none"> - FD series, WL series <p><u>Rescue/Liferaft Davit & Winch</u></p> <ul style="list-style-type: none"> - RD series, RDW series
SEKIGAHARA SEISAKUSHO LTD.	<p><u>Davit</u></p> <ul style="list-style-type: none"> - SH, SFB, SHS, STS, SSS, SFS, SFA, SFC, SFD, SJS, SJR
Dong Woo Machinery & Engineering Co., Ltd.	<p><u>Hinged Gravity Boat Davit and Freefall Davit Rescuedavit and Life Raft Davit</u></p> <ul style="list-style-type: none"> - DWS series, LRDS series, RBDS series
Sangsangin Industry Co., Ltd. (ex. Dongnam Marine Crane Co., Ltd. and Dongnam Enterprise)	<p><u>Davit/Launching Appliances</u></p> <ul style="list-style-type: none"> - Hinged Gravity Type (DHG-57-FM, HGW-40-FM, DHG-70-FM, HGW-52-FM, HGW-50-FM, DHG-73-FM, HGW-61DM) - Single Arm Type (DLRD, DRLD, DSAD, PV combined, DCHH, DPR, DNR, DRBD, DSAC) - Freefall Type (FF, HDF)
NARWHAL BOATS SL	<p><u>Rescue Boat</u></p> <ul style="list-style-type: none"> - SV-400, SV-420, SV-480, SV-750

	<u>Fast Rescue Boat</u> - FRB-700
Sheyang Saifute Marine Auxiliary Machinery Plan	<u>Gravity Luffing Arm Davit</u> - 14KN/25KN/50KN/60KN/90KN/100KN/120KN <u>Gravity Sliding Track Davit</u> - 15KN/40KN <u>Cross Deck Gravity Sliding Track Davit</u> - 30KN/110KN <u>Platform Davit</u> - 48KN/110KN <u>Free Fall Lifeboat Launching Appliance</u> - 55KN/70KN <u>Single Arm Rescue Davit</u> - 10KN/14KN/SFTSA10DS <u>Single Arm Rescue Boat/Raft Launching Appliances</u> - 21KN/25KN/40KN <u>Life-raft Launching Appliance</u> - 15KN/21KN/25KN <u>Single Arm Rescue Boat/Raft Launching Appliances & Provisions Crane</u> - 21KN <u>Hydraulic Slewing Boat-Raft Davit</u> - SFT-14KN/FCD3T*10M/25KN*10M <u>Fast Rescue Boat Davit</u> - SFT-AFR25 <u>Ele. Rescue Boat Winch</u> - 25KN/40KN/D50Z/63KN/E100R/D100Z <u>Ele. Lifeboat Winch</u> - 14KN/25KN/40KN/D50S/63KN/E70L/D100S/E100L
Wuxi Wenjiao G. F. R. P. Factory	<u>Totally Enclosed Life/Rescue Boat</u> - WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C <u>Free Fall Lifeboats</u> - WJ59FF, WJ59FC, WJ67FF, WJ67FC <u>Rescue Boat</u> - WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB <u>Life Boat</u> - WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85 <u>Release Gear</u> - WJHK40, WJ30HK, WJ67HK
Wuxi Hai Hong Boat Making Co., Ltd.	<u>Totally Enclosed Life/Rescue Boat Series</u> - HH70C/HH70T(QFP7.0/QFN7.0), HH85CS/HH85TS(QFP8.5/QFN8.5), HH65CS/HH65TS(QFP6.5/QFN6.5), HH75CS/HH75TS(QFP7.5/QFN7.5), HH80CS/HH80TS(QFP8.0/QFN8.0), HH65C/HH65T(QFP(H)6.5/QFN(H)6.5), HH50C/HH50T, HH53C/HH53T(QFP(H)5.3),

	HH75C(QFP(H)7.5), HH85C/HH85T, HH57C/HH57T <u>Freefall Lifeboat Series</u> - HH59FC/HH59FF, HH76FC/HH76FF <u>Rescue Boat Series</u> - GJ4.5B/GJ4.5B1 <u>High Speed Rescue Boat Series</u> - GJ618A/GJ618B <u>Release Gear Series</u> - HH76/HH43/HH30/HH20
A-TECH	<u>Rescue Boat Launching Davit</u> - ELEC'/HYD' Type <u>Life Raft Davit & Winch</u> - MANUAL
NISHI-F Co., Ltd. (Ex. Nishi Nippon F.R.P. Shipbuilding Co., Ltd.) Ishihara Dockyard Co., Ltd.	<u>Lifeboat/Rescue Boat</u> - ML series, F series, G series
IKNOW Machinery Co., Ltd. (ex. Tsuji Heavy Ind.)	<u>Davit</u> - Series of H, T, TC <u>Winch</u> - Series of EB, TC, OAP
Wuxi Mingzi Machinery Manufacturing Co., Ltd	<u>Lifeboat Hook Release Mechanism</u> - HK40, WHK40, WHK65 <u>Davit-launched Rescue Boat Manual Release Hook</u> - 15KN <u>Davit-launched Life Raft Manual Release Hook</u> - 21-25KN <u>Life Raft/Rescue Boat Manual/Automatically Release Hook</u> - 31-37KN
PESBO SPAIN SL	<u>Totally Enclosed Lifeboats/Fire Protected Totally Enclosed Lifeboats</u> - BSC-25M/MCI, BSC-30M/MCI, BSC-40M/MCI, BSC-50M/MCI, BSC-65M/MCI <u>Partially Enclosed Lifeboats</u> - BS-25M, BS-30M, BS-40M, BS-50M, BS-65M, BS-99M, BS-150M <u>Free Fall Lifeboats/Fire Protected Free Fall Lifeboats</u> - BSL-20M/MCI, BSL-30M/MCI, BSL-40M/MCI <u>Rescue Boats</u> - BR-500/FB, BR-650 <u>Tender Lifeboats</u> - BS-TD-150M/ME
Shin Myung Tech Co., Ltd.	<u>Launching Appliances</u> - SM-LRD, SMRB&PVH, SMRB&LR, SMRBD-LSW,

	SMLRD-LSW, SMRB&LR-NLSW
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Jiangyin Xinjiang F.R.P. Co., Ltd.)	<p><u>Free Fall Lifeboat</u></p> <ul style="list-style-type: none"> - JY-FN-4.9, JY-FF-4.9, JY-FN-5.8, JY-FF-5.8, JYM-FN-6.65, JYM-FF-6.65, JY-FN-6.8, JY-FF-6.8, JY-FN-7.5, JY-FF-7.5, JY-FN-8.5, JY-FF-8.5 <p><u>Rescue Boat</u></p> <ul style="list-style-type: none"> - GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2 <p><u>Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - JY-QFP/N-5.0, JY-QFP/N-5.25, JY-QFP/N-6.0A, JY-QFP/N-6.50, JY-QFP/N-7.0, JY-QFP/N-7.5, JY-QFP/N-7.50A, JY-QFP/N-8.00, JY-QFP/N-8.50, JY-QFP/N-8.50X, JY-QFP/N-9.35, JY-QFP/N-10.90A <p><u>Hook</u></p> <ul style="list-style-type: none"> - JX and JXN Series <p><u>Gravity Luffing Arm Type Davit</u></p> <ul style="list-style-type: none"> - JYL52, JYL55, JYL68, JYL85, JYL105, JYL135 <p><u>Launching Appliance</u></p> <ul style="list-style-type: none"> - JYF55, JYF75, JYF75-B, JYF90 <p><u>Platform Davit</u></p> <ul style="list-style-type: none"> - JYP65, JYP85, JYP105, JYP135 <p><u>Single Arm Davit</u></p> <ul style="list-style-type: none"> - JYR21, JYR21S-A, JYRC21, JYR23, JYR14, JYRH14, JYRH21 <p><u>Electric Boat Winch</u></p> <ul style="list-style-type: none"> - FW45, JYW42, JYW50, JYW70, JYW100, JYWP70, JYWP100, JYWP135, JYW35, JYRZ21
Sekwang Co., Ltd	<p><u>Hinged Garcity Life Boat Davit with Winch</u></p> <ul style="list-style-type: none"> - SK- EHRLD-6P, 16P, 17P, 18P
Zhejiang Hengxin Ship Equipment Co., Ltd.	<p><u>Lifeboat Series</u></p> <ul style="list-style-type: none"> - BCC, BCF, BCFC, BCFF <p><u>Rescue Boat Series</u></p> <ul style="list-style-type: none"> - GJ, FRH, RH <p><u>Release Mechanism Series</u></p> <ul style="list-style-type: none"> - HK <p><u>Davit Series</u></p> <ul style="list-style-type: none"> - FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN <p><u>Winch Series</u></p> <ul style="list-style-type: none"> - DZB, D, DW
Wuxi Dongwu Marine Equipment Co., Ltd	<p><u>Gravity Luffing Arm Davit</u></p> <ul style="list-style-type: none"> - 18kN, 25kN, 40kN, 50kN, 60kN, 60kN(60L), 85kN, 110kN, T2.5, Sk50 <p><u>Gravity Sliding Track Davit</u></p> <ul style="list-style-type: none"> - 25kn, 30kN <p><u>Free-fall Lifeboat Launching Appliance</u></p> <ul style="list-style-type: none"> - F55, F70, NPT100F <p><u>Rescue Boats/Liferafts Launching Appliances</u></p> <ul style="list-style-type: none"> - 21kN manual, 21kN Electrical, 21kN Electrical/hydraulic,

	25kN Electrical/hydraulic, 35kN Electrical/hydraulic, DWC210 <u>Rescue Boats Launching Appliances</u> - A30, H35 <u>Life Boat Winch</u> - DS*ZY25, DS*ZY40, D50S, DS*ZY63, D63S, 80kN(life) <u>Life/Rescue Boat Winch</u> - DZY/Z21, DZ*ZY25, DZ*ZY40, D50Z, DZ*ZY63, D63Z, 80kN(rescue)
Wuxi Haidelong Marine Equipment Co., Ltd.	<u>Launching Appliance for Free Fall Lifeboats</u> - HDL70FA <u>Winch for Survival Craft and Rescue Boats</u> - HDL70FA (Winch) <u>Launching Appliances for Free-fall Lifeboats</u> - HDLZ0720 <u>Winches for Survival Craft and Rescue Boats: (b) Free-fall Lifeboats</u> - HDLZ0720 (Winch) <u>Launching Appliances Using Falls (Davit)</u> <u>Liferaft Launching Appliances</u> - HDL415 (Davit) <u>Winches for Survival Craft and Rescue Boats (Winch)</u> - HDL415 (Winch) <u>Launching Appliances Using Falls (Davits)</u> <u>Liferaft Launching Appliances (Davit)</u> - SA23 (Davit) <u>Winches for Survival Craft and Rescue Boats:</u> <u>Liferafts & Rescue Boats</u> - SA23 (Winch) <u>Launching Appliances for Rescue Boat & Liferaft</u> - HDLD21 <u>Winches for Survival Craft and Rescue Boats:</u> <u>Life Rafts/Rescue Boats</u> - HDLW21
Wuxi Xingsheng Gear Case Factory	<u>Release Hook</u> - 15KN, 21KN, 25KN, 35KN

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