

# CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU073724PU

*This is to certify that*

## **KOSMOA INC.**

53, Gamcheonhang-ro 419beon-gil, Saha-gu,  
49455 Busan REPUBLIC OF KOREA

*Has been approved in compliance with the  
RINA "RULES FOR THE CERTIFICATION OF SERVICE SUPPLIERS"  
for the supply of the following services to ships and other units classed by RINA:*

- E - Servicing of inflatable liferafts, inflatable lifejackets,  
hydrostatic release units, marine evacuation systems**
- N - Maintenance, thorough examination, operational testing,  
overhaul and repair of lifeboats and rescue boats, launching  
appliances and release gear**
- H - Inspection and maintenance of self-contained breathing  
apparatus**
- D - Inspection and maintenance of fire extinguishing equipment  
and systems**

*Date of the audit:* **25 Apr 2024**

*Issued in* **BUSAN**

*on* **03 May 2024**

*This Certificate is valid from the date of the audit until*

**15 May 2027**

*This certificate consists of this sheet plus an attachment.*



This is an electronically signed document and does not require a handwritten signature.

**Gi Hwan JEON**

**RINA Services S.p.A.**



**ATTACHMENT TO  
CERTIFICATE NO. SSU073724PU**

**VALIDITY CONDITIONS**

**E - Servicing of inflatable liferafts, inflatable lifejackets, hydrostatic release units, marine evacuation systems**

For Category E the approval is granted for the following equipment and manufacturers:

- a. SG Safety Corporation.: All  
b. Shanghai Star Rubber Products Co., Ltd.: RAFT-A-6(II)/10(II)/15(II)/16(II)/20(II)/25(II), RAFT-D-12/16/20/25, SMLR-A-6/8/10/12/15/16/20/25/32, SMLR-A-4/6/8/10/12/16/20/25(I), SMLR-D-12/16/20/25/32, RAFT-SR-6/10/15/20/25/50/55/65, RAFT-DSR-16/20/25/32/37, RAFT-R-6/15/25/30/50/65/66/66\*2

**N - Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear**

This service supplier is certified according to the 'RINA Rules for the Certification of Service Suppliers' to carry out maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear in accordance with SOLAS Regulation III/20 for the list of makes and models/series of equipment in the attached Annex N.

Note 1: For the purpose of application of IMO Resolution MSC.402(96), including Corr.1, the service supplier is to be authorized by the Flag Administration under which the ship is registered.

For Flag Administrations which have authorized RINA as their Recognized Organization and accept RINA 'Certificate of Approval of Service Supplier' as equivalent to their authorization document to the Service Provider, according to the IMO Resolution MSC.402(96), including Corr.1, this Certificate may be accepted also for statutory purpose, in lieu of the Flag's authorization document to the Service Provider, allowing the firm to provide their services on the makes and models/series of equipment listed in the Annex N to this Certificate.

**1. lifeboats**

- a. DSB Engineering Co., Ltd.: DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C, DSB49FF/FC, DSB59FF/FC, DSB75FF/FC  
b. Hyundai Lifeboat Co., Ltd.: HD, HT, HDL, HLB, HDFL, HDFN  
c. Hoesi Senpaku Co., Ltd.: HS650, HS650F, HS520, HS520F, SO, SM, FO, FM  
d. Japan Marine United Corporation.: GF, GT, GTR, GTC, S, G, MU-FN, MU-FF  
e. Jiangsu Jiaoyan Marine Equipment Co., Ltd.(Ex : Jiangyin Xinjiang F.R.P. Co., Ltd.): JY-QFP-5.0, JY-QFP-5.25, JY-QFP-5.6, JY-QFP-6.0A, JY-QFP-6.50, JY-QFP-7.0, JY-QFP-7.5, JY-QFP-7.50A, JY-QFP-8.00, JY-QFP-8.50, JY-QFP-8.50X, JY-QFP-9.35, JY-QFP-10.90A, 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  
f. Shigi Shipbuilding Co., Ltd.: SZ series, FEL series, VOX series, GARS series, Open type  
g. Wuxi Hai Hong Boat Making Co., Ltd.: H50C/HH50T, HH53C/HH53T(QFP(H)5.3), HH57C/HH57T, HH65C/HH65T(QFP(H)6.5/QFN(H)6.5), HH65CS/HH65TS(QFP6.5/QFN6.5), HH70C/HH70T(QFP7.0/QFN7.0), HH75CS/HH75TS(QFP7.5/QFN7.5), HH75C(QFP(H)7.5), HH80CS/HH80TS(QFP8.0/QFN8.0), HH85C/HH85T, HH85CS/HH85TS(QFP8.5/QFN8.5), HH59FC, HH59FF, HH76FC, HH76FF  
h. Zhenjiang Just Marine Equipment Co., Ltd.: ZJM50C, ZJM50F, ZJM57C, ZJM57F, ZJM65C, ZJM65F, ZJM75C, ZJM75F, ZJM59FC, ZJM59FF, ZJM66FC, ZJM66FF  
i. Nishi-F Co., Ltd.: G-series, ML-series, F-series  
j. Tsuneishi Facilities & Craft Co., Ltd.: 7.32M open type, KL-6.5TE, KL-6.5FP, TL-5.7TE, TL-6.5TE, TL-6.5FP  
k. CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd.: YH 5.0QFP/QFN, YH 6.5QFP/QFN, YH



8.5QFP/QFP-A/QFN/QFN -A, YH 10.3QFP/QFN, 9.5QFP/QFN, YH 12.0QFP/QFN, 9.9BFP, YH 12.5BFP, ZZHG-BF -12.5, YH 5.9FP/FN, YH 6.7FP/FN, YH 7.5FP/FN, YH 8.5FP/FN

l. Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.: BH-5, 5A, 5S, 5SA, E500, E585, 6,6A, 6S, E670, 7A, 7B,8 // BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A

m. ZHENJIANG HENGXIN SHIP EQUIPMENT CO., LTD.: BCC, BCF, BCFC, BCFF

## 2. Rescue boats

a. DSB Engineering Co., Ltd.: DSB40R, DSB60RA/RB

b. Hyundai Lifeboat Co., Ltd.: HDR, HDFR

c. Japan Marine United Corporation.: MU-GJ

d. Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Ex : Jianguyin Xinjiang F.R.P. Co., Ltd.): GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2

e. Wuxi Hai Hong Boat Making Co., Ltd.: GJ4.5B, GJ4.5B1, GJ618A, GJ618B

f. Zhenjiang Just Marine Equipment Co., Ltd.: ZJM40R, ZJM45R, ZJM618

g. CSSC Luzhou Zhenjiang Marine.: YH 6.0FRA/FRB, YH 6.5FRA/FRB

h. Auxiliary Machinery Co., Ltd.: YH 4.5R/DR, YH7.5

i. Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.: BH-R4, R4S, R4SA, R5S, HR6, HR7

j. ZHENJIANG HENGXIN SHIP EQUIPMENT CO., LTD.: GJ, FRH, RH

## 3. Launching appliances

a. BADA HI Co., Ltd.: DRM, DRBD, BDH, BDTD, BDHP, BDTW, BDRW, BDM and BFOD, FF, HDFL, HDF, BDF, BDFD, BDR, BDH, BDA, BDFA, BDL, BDR, BLR & BHI

b. DSB Engineering Co., Ltd.: DSB60DL, DSB85DL, DSB138DL, DSB205DL, DSB70DF, DSB85DF, DSB150DYL, DSB23DR, DSB30ARH, DSB18/27DR

c. Japan Marine United Corporation.: MUL, MUF, MUR

d. Jiangsu Jiaoyan Marine Equipment Co., Ltd.(Ex : Jianguyin Xinjiang F.R.P. Co., Ltd.): JYF55/JYF75/JYF90/JYF75-A/JYF75-B, JYL52/JYL55/JYL65/JYL68/JYL85/JYL105/JYL135, JYP65/JYP85/JYP105/JYP135, JYR21/JYR21S-A/JYRC21/JYR14/JYRH14/JYRH21/JYR26/JYR30/JYR23

e. ORIENTAL INSPECTION & SERVICE CO., LTD.: HGD series, HGK series, SHS series, RTD series, DHA series, DMA series, FD series, WL series, RD series, RDW series

f. SangSangIn Industry Co., Ltd.(Ex.: Dongnam Marine Crane Co., Ltd.): DHG-57-FM, DHG-70-FM, DHG-73-FM, PV combined, DLRD, DSAD, HGW-40-FM, HGW-52-FM, HGW-61-DM, DRLD, DSAD, DCHH, DPR, DNR, DRBD, DSAC, FF, HDF

g. Sekigahara Seisakusho Ltd.: SH, SFB, SHS, STS, SSS, SFS, SFA, SFB, SFC, SFD, SJS, SJR

h. Shin Myung Tech Co., Ltd.: SM-LRD, SMRB & PVH, SMRB&LR, SMRBD-LSW, SMLRD-LSW, SMRB&LR-NLSW

i. WuxiDongwu Marine Equipment Co., Ltd.: 18KN, 25KN, 40KN, 50KN, 60KN, 60KN(L), 85KN, 110KN, T2.5, SK50, 25KN, 30KN, F55, F70, NPT100F, 21KN(manual), 21KN(electric), 21KN(electric/hydraulic), 25KN (electric/hydraulic), 35KN(Electric/hydraulic), DWC210, A30, H35

j. Zhenjiang Just Marine Equipment Co., Ltd.: SA21, SA23, SA30, FR21, FR30, L40, L57, L67, L90, PA65, PA85, FH70, FH90

k. Young Nam Machinery Co.: YNBD(YNBW) series, YNDD(YNDW) series

l. CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd.: LE 55-1/65-1/85-1/100-1/138-1/170-1, 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, FH55/70/75/85/100,

SAF14/21, SAFC21/25, SA21/32, HDCL2-6.5/3-6/3-

10, LA25/35, PL65/85/100/110/120/138/150/180/200/230, LFR30/35/55, LFRH30/60, LEFR50, DH30, SAWH30/45/60

m. A-TECH: Air / Electric types, Elec./ Hydraulic types, Manual type

n. JUNG-A MARINE CO.,LTD.: Rescue Boat & Life Raft Davit (with Winch)

o. Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.: BD-PV50, PV60, PV60S, PV85, PV125 // BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85 // BD-SA14/A/B; 21/A; 23/30/A; 33, SH23, FA36, RBD966

p. ZHENJIANG HENGXIN SHIP EQUIPMENT CO., LTD.: HK, FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN

## 4. Winches

a. BADA HI Co., Ltd.: BDF, BLW, BMW, BWL, BWR & FHW

b. IKNOW Machinery Co., Ltd.(ex. Tsuji Heavy Industries Co., Ltd.): EB, TC, OAP

c. Japan Marine United Corporation: MUW42R, MUW42L

d. Jiangsu Jiaoyan Marine Equipment Co., Ltd.: JYW42/JYW50/JYW70/JYW100

e. Oriental Precision & Engineering Co., Ltd.:BWE series, SWE series, WL series

f. SangSangIn Industry Co., Ltd.(Ex.: Dongnam Marine Crane Co., Ltd.):HGW-40-FM, HGW-52-FM, HGW-61-DM,



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## DSAD-01

- g. Young Nam Machinery Co.: YNBW series, YNDW series  
h. JUNG-A MARINE CO.,LTD.: Rescue Boat & Life Raft Davit (with Winch)  
i. Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.: BW-H(L/R)31,50,63,75;L(L/R)75,125;SC14;21  
j. ZHENJIANG HENGXIN SHIP EQUIPMENT CO., LTD.: DZB, D, DW

## 5. Release gears

Wuxi Mingzi Machinery Manufacturing Co.,Ltd.: HK40, WHK40, WHK65, 15KN, 21-25KN, 31-37KN

## 6. Accomodation ladder

SAMGONG CO., LTD: All

## -CRALOG-

The technicians below have been confirmed to be trained by "CRALOG ACADEMY". So, It is possible to perform servicing as CRALOG's subcontractors with an employment order issued by CRALOG.

But, Owners, managers and service suppliers shall confirm with their flag administrations if any additional or special requirement apply.

## Certified personnel

Name: Chi Yusub(ID No.: 393)

### D - Inspection and maintenance of fire extinguishing equipment and systems

Johnson Controls International Korea Inc.: High Pressure CO2 System, Deck Foam System, Dry Chemical Powder System, Local Application Water Mist System

### H - Inspection and maintenance of self-contained breathing apparatus

EEBD, SCBA  
Sancheong Co., Ltd.: All

### General conditions for the approval

- The initial conditions verified by RINA at the time of the approval are to be maintained
- Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessments
- RINA personnel are to be allowed to witness during the performance of activities, upon their request
- The activities are to be carried out in compliance with the RINA Rules and or other applicable rules
- RINA may revoke the approval at any moment in the case of modifications to requirements or conditions for the approval



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**Gi Hwan JEON**  
RINA Services S.p.A.