

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU016826PU

This is to certify that

SM KOREA

59 Saneop-ro 382beon-gil, Nam-gu
44781 Ulsan 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**
- D - Inspection and maintenance of fire extinguishing equipment
and systems**
- H - Inspection and maintenance of self-contained breathing
apparatus**

Date of the audit: **22 Jan 2026**

Issued in **BUSAN**

on **18 Feb 2026**

This Certificate is valid from the date of the audit until

07 Feb 2029

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. SSU016826PU**

VALIDITY CONDITIONS

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

This certificate is limited to the servicing of inflatable lifejackets on ships and other units classified by RINA.
*) The practical demonstration for category E was carried out in the presence of a RINA surveyor.

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.

Maker and Types:

1. JIANGYINSHI BEIHAI LSA CO., LTD

1-1. BOATS : SC45KR, SC45K, JYB40R, JYB55KR, JYB45Q, JYB50K, JYB60K, JYB70K, JYB75K, JYB80K, JYB65Q, JYB78Q, JYB60G, JYB65G, JYB65GA, JYB65GW, JYB65W, JYB78W, JYB65FW, JYB65FG, JYB65FGA, JYB75G, JYB78FG, JYB85G, JYB85FG, JYB85B, JYB99B, JYB50F/C, JYB57F/C, JYB65F/C, JYB75F/C, JYB80F/C, JYB85F/C, JYB99F/C, JYB125F/C, JYB52FF/FC, JYB66FF/FC, JYB75FF/FC

1-2. HOOKS : JYBHK-20N, JYBHK-25, JYBHK-30N, JYBHK-40NA, JYBHK-40D, JYBHK-40G, JYBHK-40, JYBHK-40S, JYBHK-56F, JYBHK-56, JYBHK-60N, JYBHK-60D, JYBHK-60, JYBHK-85N, JYBHK-100, JYBHK-150, HK-20N, HK-25, HK-30N, HK-40D, HK-40G, HK-40NA, HK-40, HK-56, HK-60D, HK-60N, HK-60, HK-85N, HK-150

1-3. DAVITS : SAC15, SA21/SAC21, SA21-A, SA25/SAC25, SAC25-A, SA30/SAC30, SA35, FA-55, FA65, FA75, FA100, LB14-H, LB30-H, LB45-H, LB50-H, LB60-H, LB65-H, LA65, LB90-H, LB120-H, BHGH65, BHGH90, BHGH120, BHGH170, BHGH230, PD50, PD85, PD115, PD145, PD175, FRH27, FRH27A, FRH27B, FRH30, FRH50, FRH50N, EHRD18, EHRD30, SRH27, SRH30, SRH45, BHGP65, BHGP90, BHGP120, RB75-H, RH75-H, HB30, HB90, HB90-H, HB120, HB120H, HDC2-10, HDC3-10, ESAD25, SM21, SMRF21, BGP65, GLR30, GLR35, BHSA45, LBS14

1-4. WINCHES : D21S/Z, D21Z-A, D25S/Z, D30S/Z, D30Z-A, D35S/Z, D50S/Z, DW50S/Z, D63S/Z, D100S/Z, DW100S/Z, DW110S/Z, HW30, HW50, HW80, HW120, JYBW45L/R, JYBW53L/R, FFW25, FFW40, BHEW130

2. FASSMER-MARLAND INT'L CO., LTD

2-1. BOATS : DRAGON 26C, DRAGON 26T TANKER VERSION, DRAGON 32C, DRAGON 32T TANKER VERSION, DRAGON 38C, DRAGON 38T TANKER VERSION, GMR 6.5, GMR-T6.5 TANKER VERSION, GMR 7.4, GMR-T7.4 TANKER VERSION, HH57C (HAI HONG TYPE), HH57T (HAI HONG TYPE) TANKER VERSION, HH65C (HAI HONG TYPE), HH65T (HAI HONG TYPE) TANKER VERSION, HH70C (HAI HONG TYPE), HH70T (HAI HONG TYPE) TANKER VERSION, CLR-C5.9, CLR-T5.9 TANKER VERSION, GAR 6.7, GAR-T6.7 TANKER VERSION, GAR 7.4, GAR-T7.4 TANKER VERSION, CFL-C49(E), CFL-T49(E) TANKER VERSION, CFL-C66(E), CFL-T66(E) TANKER VERSION, CFL-C72(E), CFL-T72(E) TANKER VERSION, CFL-C77(E), CFL-T77(E)



TANKER VERSION, CFL-C83(E), CFL-T83(E) TANKER VERSION, RR4.2/RR4.2-M, RRR4.2, RR4.2 ID, FRR6.1 ID, FRR6.2 ID
2-2. HOOKS : DUPLEX 2.5, DUPLEX 2.5E, DUPLEX 25E2, DUPLEX 5.0, DUPLEX 5.0E, DUPLEX 50E2, HH43 (HAI HONG TYPE)
2-3. DAVITS : FPD-D60, FPD-D68, FPD-DH68, SRH70, FFH49, FFH49D, FFH66, FFH66D, FFH72, FFH77, FFH83, FLR49, FLR66, FLR72, FSAR 14/3.5HS, FSARR 14/3.5HS, FSAR 4.0/3.5HS, FSAR 21/4.0HS, FSARR 21/4.0HS, FSARR 22/4.0HS, FMAH 22KN, FSAR 25
2-4. WINCHES : DEW 15-24, DEW 15-35, DEW 15-44, D52L/D52R, DW34S/DW34Z, MW50/MW50C FOR DAVIT FPD-D60, FW35, DEW150, DEW450, RZ25

3. ARIM ENG. & MACHINERY CO.

3-1. DAVITS : ARPV/RVD-2109 CSN SERIES, ARPV/RVD-1875 QHS SERIES, ARPV/RVD-2260 JINSE SERIES, ARPV/RLD-2260 SH SERIES, ARPV/RVD-2108 SK-H SERIES, MS06/07 SERIES, LRBD-20 SH SERIES, ARBD-0512 SERIES

4. QINGDAO BEIHAI BOATBUILDING CO., LTD

4-1. BOATS : BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8,9,10 SERIES, BH-F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8,F660,F670,F750,F900/A, BH-R4,R4S,R4SA,R5S,HR6,HR7
4-2. HOOKS : BG-3,3L,BG-7;BH-HOOK3,HOOK5,FS5,FS7, BG-3F,3.5F,4F,4.5F,4.5FL,5F,6F, BG-2R,15KNXS,25KNXS,35KNXS
4-3. DAVITS : BD-PV50,PV60,PV60S,PV85,125, BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67/85, BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23
4-4. WINCHES : BW-H(L/R)31S,31,50,63,75;L(L/R)75,125;SC14;21;30;YSB SERIES HYDRAULIC WINCH

5. WUXI MINGZI MACHINERY MANUFACTURING CO., LTD

5-1. HOOKS : LIFEBOAT HOOK RELEASE MECHANISM, HK40/40KN, WHK40/40KN, WHK65/65KN, DAVIT - LAUNCHED RESCUE BOAT MANUAL RELEASE HOOK, 15KN(150-T)/15KN, DAVIT - LAUNCHED LIFE RAFT MANUAL RELEASE HOOK 21-25KN(250-T)/25KN, LIFE RAFT/RESCUE BOAT MANUAL/ AUTOMATIC RELEASE HOOK 31-37KN(370-T)/37KN

6. NINGBO ASIA F.R.P BOAT MANUFACTURING CO., LTD

6-1. BOATS : YZ4.5,YZ4.5S,YZ4.5SA,YZ45R,YZ60RA,YZ60RB, YZ50C,YZ50F,YZ65C,YZ65F,YZ65CS, YZ65FS,YZ75C,YZ75F, YZ49FC,YZ49FF,YZ59FC,YZ59FF,YZ60FC,YZ60FF,YZ675FC,YZ675FF
6-2. HOOKS : HK40,HK40B,YZHK40,YZHK40S
6-3. DAVITS : L25,L50,YZL-55,L65,L65S,LE85-1, ZF21/15 DZ14,ZF21, DZ14, ZF23/15 DZ14,ZF23 DZ14, ZF33, DZ25,B21/14,B21/14-2.5, YZ-A30D, YZF55,YZF70
6-4. WINCHES : DS25,DZ25,DS40,DS/Z40,YZD-42S, YZD-42Z,DS58,DZ58,D50S,D50Z,D63S,D63Z

7. WUXI WENJIAO G.F.R.P FACTORY

7-1. BOATS : WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C, WJ59FF, WJ59FC, WJ67FF, WJ67FC, WJ40R, WJ45KR, WJ45D3, WJ45D, WJJZ45, WJ55D, WJ60RA, WJ60RB, WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85
7-2. HOOKS : WJHK40/40KN, WJ30HK/30KN, WJHK55/55KN, WJ63HKC/63KN, WJ67HK/70KN, WJ40/40KN

8. CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD

8-1. BOATS : YH5.0QFP/YH5.0QFN/YH6.5QFP/YH6.5QFN/YH8.5QFP/YH8.5QFN/YH8.5QFP-A/YH8.5QFN-A/YH10.3QFP/YH10.3QFN/YH9.5QFP/YH9.5QFN/YH12.0QFP/YH12.0QFN/YH9.9BFP/YH12.5BFP/ZZHG-BF-12.5/YH5.9FP/YH5.9FN/YH6.7FP/YH6.7FN/YH7.5FP/YH7.5FN/YH8.5FP/YH8.5FN/YH6.0FRA/YH6.0FRB/YH6.5FRA/YH6.5FRB/YH4.5R/YH4.5DR/YH7.5
8-2. HOOKS : HK25/HK25B/HK40/HK40C/HK65/SH55/SH70/SH85, HANDLE RELEASE HOOK 15KN,AUTOMATIC RELEASE HOOK 21KN/23KN/25KN/35KN
8-3. DAVITS : LE45-1/LE55-1/LE65-1/LE85-1/LE100-1/LE138-1/LE170-1/HE65/HE85/HE100/HE138/H170/RE50/RE60/RE80/RE100/SRH65/SRH85/SRH100/SRH120/SRH150/SRH170/SRH200/SRH230/GL65/GL85/GL110/GL138/GL165/TG65/TG85/TG110/TG150/TG170/TG200/TG230/HT80/HT100/HT150/HT210/LC400/RC60-EB/FH55/FH70/FH75/FH85/FH100/SAF14/SAF21/SAFC21/SAFC25/SA21/SA32/HDCL2-6.5/HDCL3-6/HDCL3-10/LA25/LA35/SH-21/DH30/PL65/PL85/PL100/PL110/PL120/PL138/PL150/PL180/PL200/PL230/LFR30/LFR35/LFR55/LFRH30/LEFR50/LFRH60/DH30/SAWH30/SAWH45/SAWH60
8-4. WINCHES : D21KN/D25KN/D32KN/D35KN/D48KN/D63KN/D65KN/D80KN/D100KN/D120KN/DP65KN/DP85KN/DP100



KN/DP110KN/DP120KN/DP138KN/DP150/DP180KN

9. ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD.

9-1. BOATS : NYF&NYC, NYPF&NYPC, NYZ

9-2. HOOKS : NHK

9-3. DAVITS : NLB, NSA, NHCD, NFH

9-4. WINCHES : N

10. NINGBO NEW MARINE LIFESAVING EQUIPMENT CO., LTD

10-1. BOATS : NM43R, NM45R, NM45RB,NM60R, NML50C, NM50C/F, NM57C/F, NM58C/F, NM65C/F, NM75C/F, NM85C/F, NM117C/F, NM52FC/FF, NM59FC/FF, NM67FC/FF, NM50FC/FF, NM58FC/FF, NM75FC/FF, BJ5.50, BJ6.50, BJ7.50

10-2. DAVITS : NMSD14KN,NMD14KN, NMSD21KN, NMD21KN, NMSD23KN, NMD23KN, NMSD25KN, NMSC25KN, NMSD33KN, NMC25, NMC30, NMAR30, NMAR30-1, NMAR60, NM30 NMD25KN, NMD40KN, NMD45KN, NMGD50KN, NMD50KN, NMD55KN, NMD60KN, NMD65KN,NMD85KN, NMD120KN, NMF55KN, NMF70KN, PD50, PD70, PD85, PD120,HLA85, HLA125, HLA210, HTA70KN, HTA120KN
10-3. WINCHES : NMW25KN, NMW42L/R, NMW50L/R, D63S/Z, D80S/Z, D125S/Z

11. JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD

11-1. BOATS : 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/ GJ4.2 / GJ4.25 / GJ4.5 / GJ5.0 / GJ5.25 / GJ6.0B-1 / GJ6.10 / GJ7.50 / GJ8.0Q-2 / GJ8.5Q-2/ 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

11-2. HOOKS : JX AND JXN SERIES

11-3. DAVITS : JYL52 / JYL55 / JYL65 / JYL68 / JYL 85 / JYL 105 / JYL 135/ JYF55 / JYF75 / JYF75-A / JYF75-B / JYF90/ JYP65 / JYP85 / JYP105 / JYP135/ JYR21 / JYR21S-A / JYRC21 / JYR14 / JYRH14 / JYRH21 / JYR26 / JYR30 / JYR23

11-4. WINCHES : FW45 / JYW42 / JYW50 / JYW70 / JYW100 / JYWP70 / JYWP100 / JYWP135 / JYW35 / JYRZ21

12. WUXI XINGSHENG GEAR CASE FACTORY

12-1. HOOKS :RESCUE BOAT RELEASE HOOK : 15kN, LIFERAFT AUTOMATIC RELEASE HOOK : 21kN, LIFERAFT AUTOMATIC RELEASE HOOK : 23kN, LIFERAFT AUTOMATIC RELEASE HOOK : 25kN, AUTOMATIC RELEASE HOOK FOR DAVIT LAUNCHED LIFERAFT & RESCUE BOAT : 35 kN

13. ORIENTAL INSPECTION & SERVICE CO., LTD.

13-1. DAVITS : HGD, HGK, SHS, RTD, DHA, DMA SERIES, FD, WL SERIES, RD, RDW SERIES

13-2. WINCHES : BWE, SWE, WL SERIES, FD, WL SERIES, RD, RDW SERIES

14. CRALOG

The following technicians have been confirmed to have completed training at CRALOG ACADEMY.

Therefore, they are authorized to perform services as CRALOG subcontractors, based on an official employment order issued by CRALOG.

However, owners, managers, and service suppliers must confirm with their respective flag administrations whether any additional or special requirements apply.

Certified Personnel:

Name: Kyungeui Cho(ID No.: 520)

*) The practical demonstration for category H was carried out in the presence of a RINA surveyor.

D - Inspection and maintenance of fire extinguishing equipment and systems

*) The practical demonstration for category D was carried out in the presence of a RINA surveyor.



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H - Inspection and maintenance of self-contained breathing apparatus

*) The practical demonstration for category H was carried out in the presence of a RINA surveyor.

General conditions for the approval

- a) *The initial conditions verified by RINA at the time of the approval are to be maintained*
- b) *Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessments*
- c) *RINA personnel are to be allowed to witness during the performance of activities, upon their request*
- d) *The activities are to be carried out in compliance with the RINA Rules and or other applicable rules*
- e) *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.