

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU032124WE

This is to certify that

DIGITAL MARINE SYSTEMS LLC

W373, DUBAI MARITIME CITY, DUBAI, UAE

Dubai UNITED ARAB EMIRATES

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: **05 Apr 2024**

Issued in **DUBAI**

on **19 May 2024**

This Certificate is valid from the date of the audit until

12 Apr 2027

This certificate consists of this sheet plus an attachment.



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

Shehab Mohamed EL MATBOULY

RINA Services S.p.A.



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**ATTACHMENT TO
CERTIFICATE NO. SSU032124WE**

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:

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.

Note 2: This certificate of approval is also issued on behalf of Italian Administration according to the Italian 'Executive Decree n. 321' dated 21st April 2020 and Circular NDS n. 22/2021.

Therefore, this Service Provider is authorized to provide their services on board ships flying Italian flag for the makes and types of equipment defined according to ISO/PAS 23678, listed in the table of Annex N to this Certificate, without prejudice to the particular requirements in the aforementioned Italian official documents.

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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Shehab Mohamed EL MATBOULY

RINA Services S.p.A.



Annex N

List of makes and types of equipment

Attached to Certificate No. 2024/WE/01/321

The Service Supplier is approved by RINA for performing services such as maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear, in accordance with SOLAS Reg. III/20, for the following equipment:

Equipment	Make	Type/Model	Manufacturer's Licence / Recognition N° (if applicable)
Lifeboat, freefall boat, Rescue boat, Davit, winches & release mechanisms	Qingdao Beihai Ship building	Lifeboat : BH-5, 5A, 5S, 5SA, E500,E585, 6, 6A, 6S,E670, 7A, 7B,8. Freefall : BH-F6.0, F7.0A, F7.8, F8.1,F5.8, F6.8, F660,F670, F750, F900/A Rescue boat: BH- R4,R4S,R4SA,R5S Davit : BD- PV50,PV60,PV60S,PV85,P V125, BD- FF55,55A,55R,FF80,80A,80 R,80B,FF65/66/67//85, BD-SA14,14A,14B,SA21,21A,S A23,SA30,30A,SA33,SH-23Winch :BW-H(L/R)31, 50,63,75: L(L/R)75,125;SC14;21;30 Release Mechanism : BG-3,3L,BG- 7;BH-HOOK3, HOOK5,FS5,FS7, BG-3.5F,4F,4.5F,4.5FL,5F,6F	BH02266
Lifeboat, hook & davits	Jiangyinshi Beihai LSA CO.	Boat : Series of SC, JYB Hook : Series of JYBHK Davit : Series of SAC,SA,FA,LB,LA,BHGH, PD,FRH,EHRD,SRH,BHGP, RB,HB,HDC,ESAD	JYBH181030-01
Lifeboat, freefall boat, Rescue boat, launching appliances & release mechanisms	Jiangyin Wolong FRP	Totally Enclosed lifeboat –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 Freefall Lifeboat – JY49CF/FF, JY59CF/FF,JY67CF/FF, JY85CF/FF, JY109CF/FF Partially Enclosed Lifeboat –JY70P, JY80P, JY85P Open Type Lifeboat – JY45KR, JY55K, JY65K,JY70K, JY75K, JY80K, JY85K Rescue Boat – JY40KR, JY42KR, JY45DR, JY45KR,JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR Release Gear - HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90,LB35MRS, LB70MRS	WL-TC20200701



Annex N

List of makes and types of equipment

		<p>Launching appliances – JY- LE65, JY- LE85, JY- LE100, JY-LE150, JY-FH55, JY- FH70, JY- FH90, JYFH155 -PL70, JY-PL110, JY- PL150, JY-PL185, JY- PL215, JY- SAF21, JY- SAF23, JY- SA23S, JY-SA37S, JYSR33S, JYSAF33, JY- HSR23/16, JY- HSR33/23, JY- FCR2066, JY-FCR2305, JY-PLR21, JY-LFR27, JY- LRHE30, JYLRHE70, JY- LFR35, JY- SAP14, JY- SAP30 JY-HE70, JY-HE95, JY- HE120, JY- HE1,55, JY- TBD 120, JY-TBD 215, JY- TBD35, JY-GYE70, JY-GYE120, JY-GYE185</p>	
<p>Lifeboat, freefall boat, Rescue boat, launching appliances & release mechanisms</p>	<p>Jiangsu Jiaoyan Marine Equipment</p>	<p>Freefall boat : 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> <p>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</p> <p>Totally Enclosed Lifeboat :JY-QFP/N-5.0/JY-QFP/N-5.25/GTR57JYC/F/JY-QFP/N-6.0A/JY-QFP/N- 6.50/JY- QFP/N-7.0/JY- QFP/N-7.50A/JY- QFP/N8.00/JY-QFP/N-8.50/JY- QFP/N-8.50X/JY-QFP/N-9.35/JY- QFP/N-10.90A</p> <p>Hook: JX and JXN Series Gravity luffingarm davit : JYL52/JYL55/JYL68/JYL85 /JYL105/JYL135 Launching Appliances :JYF55/JYF75/JYF75-B/JYF90</p> <p>Platform Davit : JYP65/JYP85/JYP105/JYP135</p> <p>Single arm davit : JYR21/JYR21S/JYRC21/JYR23/JYR14/JYRH14/JYRH21</p> <p>Electric boat winch : FW45/JYW42/JYW50/JYW70/JYW100/JYWP70/JYWP100/JYWP135/JYW35/JYRZ21 JSJY2012-26</p>	<p>JSJY2012-26& JSJY2012-27</p>
<p>Lifeboat, freefall boat, Rescue boat&release gear</p>	<p>Wuxi Wenjiao G.F.R.P. Factory</p>	<p>Totally enclosed lifeboat: WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C,</p> <p>Free Fall lifeboat: WJ59FF, WJ59FC, WJ67FF, WJ67FC, Rescue boat: WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB, WJ45 Life boat: WJ45D, BJ55, BJ60, BJ65, BJ7</p>	<p>WJ2021102801, WJ2021102802</p>



Annex N

List of makes and types of equipment

		<p>0,BJ75,BJ80,BJ85</p> <p>Release Hook:</p> <p>WJHK40,WJ30HK,WJHK55,WJ63HKC,WJ67HK,WJ40</p>	
<p>Lifeboat, freefall boat, Rescue boat&release gear</p>	<p>Zhenjiang Hengxin Ship Equipment</p>	<p>Life boat : series BCC,BCF,BCFC,BFF</p> <p>Rescue boat: series GJ,FRH,RH Release mechanism: seriesHK</p> <p>Davit series: FHSA,HDC,LFR,LR,HE,PD,SRH,LB,KN</p> <p>Winch series: DZB,D, DW</p> <p>20211206038</p> <p>05/12/2024</p>	<p>20211206038</p>



Annex

to Certificate of Approval of Service Supplier

No. 2024/WE/01/321

List of manufacturers approvals granted for Category 'E'.

1. SHANGHAI STAR RUBBER PRODUCT CO. LTD (CSM):

Type:

RAFT-A-6(II)/10(II)/15(II)/16(II)/20(II)/25(II)
 RAFT-D-12/16/202/25
 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*2/72/100

2. JIANGSU HAINING MARINE EQUIPMENT CO. LTD:

Type:

HNF-A6/8/10/12/15/16/20/25/30
 HNF-CR25/30/35/40/45/50/65
 HNF-D15/20/25
 HNF-DSR12/15/16/20/25/37
 HNF-F-J50/55
 HNF-HSC6/8/10/15/25/50/65
 HNF-SR6/8/10/15/16/20/25/30/35/37/50/65 Hydrostatic release unit

3. NINGBO NEPTUNE LIFE SAVING CO. LTD:

Type:

ATOB-6/8/10/12/15/16/20/25/30/35
 ADL-12/15/16/20/25
 ASR-6/8/10/12/15/16/20/25/30/35/50/66/100
 ADLSR-12/16/20/25/32/37/39
 AOR-6/8/25/30/35/50/66/100
 YSR-4/6/8/10/12
 YT-4/6/8/10/12
 YJT-4/6/8

4. SHANGHAI YOULONG RUBBER PRODUCT CO. LTD:

Type:

KHA-6/8/10/12/15/16/20/25/30/35
 KHZ-6/10/15/20/25/30/35/50/65/100/110/125/130
 KHA-6/8/10/12/15/16/20/25/30/35(II)
 KHD-12/15/16/20/25/30/35
 KHR-6/10/25/30/50/65/100
 KHY-4/6/8/10/12
 KHYJ-4/6/8/10
 KHY(SR)- 4/6/8/10/12
 KHZD-15/16/20/25/30/35/37
 KHK-6/10/25/30/50/65/100/152



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5. SHANGHAI CUNHONG MARINE LIFESAVING APPLIANCE CO. LTD:

Type:
DLR

6. SHANGHAI CUNHONG MARINE LIFE SAVING APPLIANCE CO. LTD:

Type:
CFH

7. NINGBO HAIFENG LIFE SAVING APPLIANCE MANUFACTURING CO LTD:

Type:
CRVF-A
CRVF-Z
CRVF-D
CRVF-DZ
CRVF-K
CRVF-U
QJF-B



Category E.

Approval is granted for the following liferafts servicing:

1. CSM – Shanghai Star Rubber Products:

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.

2. Ningbo Haifeng Life-Saving Appliances Manufacturing Co., Ltd:

CRV throwing inflatable Liferafts and Davit Launch Liferaft & self-righting Liferaft

3. Jiangsu Haining Marine Equipment Co., Ltd:

HNF-A 6/8/10/12/15/16/20/25;

HNF-CR25;

HNF-D15/20/25;

HNF-DSR12/15/16/20/25;

HNF-HSC6/8/10/15/25;

HNF-SR6/8/10/12/15/16/20/25;

Hydrostatic release unit.

4. Shanghai Youlong Rubber Products Co., Ltd:

KHA - 6, 8,10,12,15,16, 20, 25, 30, 35;

KHZ- 6,10,15, 20, 25, 50, 65, 100, 110, 125, 130;

KHD-12, 15,16, 20, 25, 30, 35;

KHZD-15, 16, 20, 25, 30, 35, 37;

KHR-6,10, 25, 30, 50, 65, 100;

KHK-6, 10, 25, 30, 50, 65, 100, 152;

KHY-4, 6, 8,10,12;

KHYJ-4, 6, 8,10;

KHY(SR)-4, 6, 8, 10,12.

5. Lazizas:

All series of liferafts.



Category N.

Approval is granted for the following life/rescue boats and launching appliances servicing:

1. Jiangsu Jiaoyan Marine Equipment Co., Ltd (ex. Jiangyn Xinjiang F.R.P. Co., Ltd):

Free fall 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;

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;

Totally enclosed lifeboat:

JY-QFP/N-5.0/JY-QFP/N-5.25/GTR57JYC/F/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;

Hook:

JX AND JXN Series;

Gravity luffing arm type davit:

JYL52/JYL55/JYL68/JYL85/JYL105/JYL135;

Launching appliance:

JYF55/JYF75/JYF75-B/JYF90;

Platform Davit:

JYP65/JYP85/JYP105/JYP135;

Single arm davit:

JYR21/JYR21S-A/JYRC21/JYR23/JYR14/JYRH14/JYRH21;

Electric Boat Winch:

FW45/JYW42/JYW50/JYW70/JYW100/JYWP70/JYWP100;
JYWP135/JYW35/JYRZ21;

2. Jiangyin Wolong F.R.P Boat Co., Ltd:

Totally enclosed lifeboat

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

Free fall lifeboat

JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF

Rescue boat



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JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR,
JY85KR

Partially enclosed lifeboat

JY70P, JY80P, JY85P

Open type lifeboat

JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K

Gravity luffing arm type davit

JY-LE65, JY-LE85, JY-LE100, JY-LE150

Launching appliance of free-fall lifeboat

JY-FH55, JY-FH70, JY-FH90, JY-FH155

Platform davit

JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215

Single arm boat/raft davit

JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-HSR23/16,
JY-HSR33/23, JY-FCR2066, JY-FCR2305

Rescue boat davit

JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30

Gravity overhead rolling type davit

JY-HE70, JY-HE95, JY-HE120, JY-HE155

Telescopic boom type davit

JY-TBD 120, JY-TBD 215, JY-TBD35

Hydraulic luffing arm type davit

JY-GYE70, JY-GYE120, JY-GYE185

Connecting rod type davit

JY-GL70, JY-GL95, JY-GL120, JY-GL185

Winch

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

Release Mechanism of Lifeboat/Rescue boat:

HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR,
LB120MR, FHK80, FHK90, LB35MRS, LB70MRS

3. Jiangyinshi Beihai LSA Co., Ltd:

BOAT: SERIES OF SCJYB

HOOK: SERIES OF JYBHK

DAVIT: SERIES OF

SAC,SA,FA,LB,LA,BHGH,PD,FRH,EHRD,SRH,BHGP,RB,HB,HDC,ESAD



4. Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd:

Totally enclosed life boat:

BH-5, 5A, 5S, 5SA, ES00, E585, 6, 6A, 6S, E670, 7A, 7B, 8;

Freefall lifeboat:

BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900;

Rescue boat:

BH-R4, R4S, R4SA, R5S;

Gravity pivot davit:

BD-PV50, PV60, PV60S, PV85, PV125;

Freefall launching davit:

BD-FFS5, 55A, 55R, FF80, 80A, 80R, 80B, FF65, FF66, FF67, FF85;

Single arm davit:

BD-SA14, 14A, 14B, SA21, 21A, SA23, SA30, 30A, SA33, SH23;

Winch:

BW-H(L/R)31, 50, 63, 75; L(L/R)75, 125; SC14, 21, 30;

Release mechanism of Gravity lifeboat:

BG-3, 3L, BG-7; BH-HOOK3, HOOK5, FS5, FS7;

Release mechanism of Freefall lifeboat:

BG-3.5F, 4F, 4.5F, 4.5FL, 5F, 6F;

Release mechanism of rescue boat:

BG-2R; WUXI XINGSHENG 15, 23, 25, 35 KN HOOK;

5. Ningbo Asia F.R.P Boat Manufacturing Co., Ltd:

Rescue Boat:

YZ4.5, YZ4.5S, YZ4.5SA, YZ60RB;

Totally Enclosed Lifeboat/Rescue Boat:

YZ50C, YZ50F, YZ65C, YZ65F, YZ65CS YZ65FS, YZ75C, YZ75F;

Free Fall Lifeboat:

YZ49FC, YZ49FF, YZ59FC, YZ59FF, YZ60FC, YZ60FF, YZ675FC, YZ675FF;

Gravity Luffing Arm Davit:

L25, L50, YZL-55, L65, L65S, LE85-1;

Electrical Lifeboat/Rescue Boat Winch:

DS25, DZ25, DS40, DS/Z40, YZD-42S, YZD-42Z, DS58, DZ58, D50S, D63S, D63Z;

Single-Arm Rescue Boat/Liferafts Boat Launching Appliance & Crane:

ZF21/15 DZ14,ZF21 DZ14; ZF23/15 DZ14,ZF23 DZ14; ZF33

DZ25321/14321/14-2.5



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Free-Fall Lifeboat Launching Appliances:

YZF55, YZF70.