



**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. : 23TZ434

Approval No. : 23LA015

THIS IS TO CERTIFY that

NovaMarine (A Division of Novatech Pty Ltd)

96 Marine Drive, Paarden Eiland, Cape Town 7405 SOUTH AFRICA

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 23 August 2028 subject to periodical assessment.

Issued at Tokyo on 24 August 2023.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI



(M. Inoue)

General Manager of Survey Department

Make	Type
<p>Jiangsu Jiaoyan Marine Equipment Co., Ltd. (ex. Jiangyin Xinjiang F.R.P. Co., Ltd.)</p>	<p><u>Free Fall Lifeboat</u> - 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</p> <p><u>Rescue Boat</u> - 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><u>Totally Enclosed Lifeboat</u> - 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</p> <p><u>Hook</u> - JX and JXN Series</p> <p><u>Gravity Luffing Arm Type Davit</u> - JYL52, JYL55, JYL65, JYL85, JYL105, JYL135</p> <p><u>Launching Appliance</u> - JYF55, JYF75, JYF75-B, JYF90</p> <p><u>Platform Davit</u> - JYP65, JYP85, JYP105, JYP135</p> <p><u>Single Arm Davit</u> - JYR21, JYR21S-A, JYRC21, JYR14, JYRH14, JYRH21, JYR26, JYR30, JYR23</p> <p><u>Electric Boat Winch</u> - FW45, JYW42, JYW50, JYW70, JYW100, JYWP70, JYWP100, JYWP135, JYW35, JYRZ21</p>
<p>JIANGYINSHI BEIHAI LSA CO., LTD.</p>	<p><u>Boat</u> - Series of SC, JYB</p> <p><u>Hook</u> - Series of JYBHK</p> <p><u>Davit</u> - Series of SM, SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD</p> <p><u>Winch</u> - Series of D, DW, HW, JYBW, FFW</p>
<p>Oriental Precision & Engineering Co., Ltd.</p>	<p><u>Hinged Gravity Type Davit & Winch</u> - Davit: HGD series, HGK series, SHS series, RTD series, DHA series, DMA series - Winch: BWE series, SWE series, WL series</p> <p><u>Free Fall Davit & Winch</u> - FD series, WL series</p>

	<p><u>Rescue/Liferaft Davit & Winch</u></p> <ul style="list-style-type: none"> - RD series, RDW series
HLB (ex, Hyundai Lifeboats) Co., Ltd.	<p><u>Lifeboat & Rescue Boat</u></p> <ul style="list-style-type: none"> - Series of HD, HT, HDL, HLB, HDF, HDFL, HDFN, HDR, HDFR <p><u>Release Mechanism</u></p> <ul style="list-style-type: none"> - Series of THP, Talon, Talon II
BADA Heavy Industries (ex, D.R.M) Co., Ltd.	<p><u>Davit</u></p> <ul style="list-style-type: none"> - Series of DRM, BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, HDFL, HDF, BDF, BDR, BDH, BDA, BDFA, BDL, BDR, BLR, BHI <p><u>Winch</u></p> <ul style="list-style-type: none"> - Series of DRM, DRBW, BAW, BDF, BHI, BLR, BLW, BMW, BRW, BWL, BWR, FHW <p><u>Release Mechanism</u></p> <ul style="list-style-type: none"> - Series of BDR, BHA, BHR
Fassmer-Marland Ltd.	<p><u>Davit Launched Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - DRAGON 26C, 26T, 32C, 32T, 38C, 38T, - GMR 6.5, -T6.5, 7.4, -T7.4, - HH57C, 57T, 65C, 65T, 70C, 70T, - CLR-C5.9, T5.9 <p><u>Freefall Lifeboat</u></p> <ul style="list-style-type: none"> - GAR 6.7, -T6.7, 7.4, -T7.4, - CFL-C49(E), T49(E), C66(E), T66(E), C72(E), T72(E), C77(E), T77(E), C83(E), T83(E) <p><u>Rigid Rescue Boat</u></p> <ul style="list-style-type: none"> - RR4.2/RR4.2-M, RRH4.2, RR4.2 ID <p><u>Fast Rigid Rescue Boat</u></p> <ul style="list-style-type: none"> - FRR6.1ID, 6.2ID <p><u>Onload Release Gear</u></p> <ul style="list-style-type: none"> - Duplex 2.5, 2.5E, 25E2, 5.0, 5.0E, 50E2 - HH43 <p><u>Pivot Davit</u></p> <ul style="list-style-type: none"> - FPD-D60, D68, DH68 - SRH70 <p><u>Freefall Davit</u></p> <ul style="list-style-type: none"> - FFH49, 49D, 66, 66D, 72, 77, 83 <p><u>Freefall Ramp</u></p> <ul style="list-style-type: none"> - FLR49, 66, 72 <p><u>Rescue Boat Crane</u></p> <ul style="list-style-type: none"> - FSAR 14/3.5HS, 4.0/3.5HS, 21/4.0HS, 25 - FSARR 14/3.5HS, 21/4.0HS, 22/4.0HS - FMAH 22KN <p><u>Winch for Pivot Davit</u></p> <ul style="list-style-type: none"> - DEW 15-24, 15-35, 15-44 - D52L/D52R - DW34S/DW34Z - MW50/MW50C for Davit FPD-D60

	<p><u>Winch for Freefall Davit</u></p> <ul style="list-style-type: none"> - FW35 <p><u>Winch for Rescue Boat Crane</u></p> <ul style="list-style-type: none"> - DEW 150, 450 - RZ25
Hai Hong Boat Making Co., Ltd. (Guangzhou)	<p><u>Davit Launched Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - HH57C/57T/65C/65T/70C/70T (Hai Hong type) <p><u>On Load Release Gear</u></p> <ul style="list-style-type: none"> - HH43 (Hai Hong type)
Hatecke GmbH	<p><u>(Fast) Rescue Boats</u></p> <ul style="list-style-type: none"> - RB AB, RB AB Duplex, RB AB FH, RB IB, RB/FRB AB FH, RB/FRB IB, RB/FRB DUPLEX <p><u>Launching Appliances</u></p> <ul style="list-style-type: none"> - FFA, FFA LP, FFB, Gsp.FLH, Gsp.O, GspFP, W07, W10, W26 <p><u>Lifeboat</u></p> <ul style="list-style-type: none"> - GFF, GFF-T, GSAR, GSL, GSL-T <p><u>Release Gear</u></p> <ul style="list-style-type: none"> - Duplex 2.6, 3.0, 3.5, 4.3/4.6, 6.0 - GFF-R-10, 11, 8 - RAFTI 2.5 - Simplex 2.0 Off-Load, 2.0 to, 2.0 I, 3.0, 4.3, 6.0
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-LE14, 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, JY-SAP14, JY-SAP30

	<p><u>Gravity Overhead Rolling Type Davit</u> - JY-HE70, JY-HE95, JY-HE120, JY-HE155</p> <p><u>Telescopic Boom Type Davit</u> - JY-TBD 120, JY-TBD 215, JY-TBD35</p> <p><u>Hydraulic Luffing Arm Type Davit</u> - JY-GYE70, JY-GYE120, JY-GYE185</p> <p><u>Connecting Rod Type Davit</u> - JY-GL70, JY-GL95, JY-GL120, JY-GL185</p> <p><u>Winch</u> - 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> <p><u>Release Mechanism of Lifeboat/Rescue Boat</u> - HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS</p>
Vanguard Pte Ltd	<p><u>Lifeboat & Rescue Boat</u> - VG, VG-FF/FC, KR, DB, DRS, DR4, HLB, HLBLR, FRK, FRW</p> <p><u>Hook (LRRS)</u> - C-SAFE, SPEARHEAD</p> <p><u>Davit</u> - LVD, PL, A, PLR, SRH, LR, VAE, VL, VL-G, VS</p> <p><u>Winch</u> - DW/D, DW/S, SLR, DWP, HW, PRH, VW/S, VW/Z</p>
SURVITEC ZODIAC	<p><u>Rescue boat and Fast rescue boat</u> - RB 4/6, RIBO 340/420/450/600, FRB600)</p>
Fassmer Service GmbH & Co. KG.	<p><u>Davit Launched Totally Enclosed Lifeboat</u> - GMR 5.9/6.5/7.4/8.3 - TGMR 5.9/6.5/7.4/8.3 - CLR-C 5.9/6.4/6.8/7.2/7.6/8.1/8.5 - CLR-T 5.9/6.4/6.8/7.2/7.6/8.1/8.5 - CL-C 8.9/9.4/9.8/10.2/10.7/11.1/11.5/11.9/12.4/12.8/13.2 - CL-T 8.9/9.4/9.8/10.2/10.7/11.1/11.5/11.9/12.4/12.8/13.2 - CLX (R)8.5/10.0/11.7/12.8</p> <p><u>Freefall Lifeboat</u> - CFL 4.9 - CFL-T 4.9/66/72/77/83 - GAR 6.0/6.8/6.7/7.4/8.1/7.7/8.5 - GAR-T 6.0/6.8/6.7/7.4/8.1/7.7/8.5 - CFL-C 66/72/77/83</p> <p><u>Partially Enclosed Lifeboats</u> - CL- P5.9/6.4/6.8/7.2/7.6/8.1/8.5/8.9/9.4/9.8/10.2/10.7/11.1/11.5/11.9/12.4/12.8/13.2 - SEL 8.15/8.8/9.6/10.5/10.55/11.80/12.5/-R 8.15/ 15.75/ -T 10.75</p>

Partially Enclosed Lifeboats - Tenderboats

- TL Limo 1100
- SEL-T 11.0/11.7/12.3/14.0/14.7/15.75
- PLL 1099
- PLT-EVO 170

Partially Enclosed Lifeboat, Tenderboat and Rescueboat

- SEL-RT 7.7/7.5/8.5

Partially Enclosed Life- and Crew Tenderboats

- SEL 11.0(-T)

Partially Enclosed Life-/Rescue-/Work-/Tenderboats

- SEL-R 7.4/8.5

Rigid Rescue Boat

- RR 4.2, RR 4.2-M, RR 4.5ID

Rescue Boat

- RIR 625ID

Fast Rigid Rescue Boat

- FR (I)R 6.1/6.1ID
- FRR 6.2ID/6.5 ID-SF/6.6 ID/7.0 ID-SF/7.0
- FRIR 6.25

NAVY RHIB

- SFB 10.1

Freefall Lifeboat Release Mechanism

- FFRU 6.6

Offload Rescue Boat Hook

- FOH 27/30/70

Onload Release Gear

- Duplex 25E2/2.5E/50E2/5.0E/60E2/6.6E/10E/140E2/14E/
17E/180E2/230E2/23E
- 2.5T/5.0T/10T/14T/17T/23T

Fassmer Hydraulic Davit

- FHD 80/100/120/130/150/170/172/280/450

Hinged Davit

- FHDY 100

Freefall Davit

- FFH 45/65

Pivot Davit

- FPD 55/60/100/80/120/150/170
- FFD D60

Freefall Davit

- FFH 49/50/60/66/70/72/75/77/80/83/85/90

Freefall Ramp

- FLR 49/66/8005/8006/8007

Multi Pivot Davit

- FMPD 100/130/150/160

Outrigger Davit

- FOD 100/120/130/150/170/190/40R/50/55/80/
LBC 300/SAR 40/TC 450
- FOD-R 22/23/25/40

	<p><u>Rescue Boat Davit</u> - FOSV 71, FSAH22</p> <p><u>Rescue Boat Crane</u> - FSAH 28/32 - FSAR 12/3.5, 14/2.9, 14/3.5, 21/4.0, 21/4.5, 22/4.5, 28, 40</p> <p><u>Rescue Boat/Liferaft Crane</u> - FSARR 14/3.5, 21/3.8, 21/4.0, 21/4.3, 22/4.0</p> <p><u>FRC Crane</u> - PRHE 30</p> <p><u>Fassmer Winch</u> - DEW 40/85/2000</p> <p><u>Fassmer Winch/Rescue Boat Crane</u> - DEW 8/150 - FWD 40RB</p> <p><u>Fassmer Freefall Winch</u> - FFWH</p>
Vestdavit AS	<p><u>Davit</u> - D-5000, F-10000, H-6000, H-9000, H-13000, H-20000, HN-9000, HN-9003, HN-10000, HNC-11000/5500, HNF-8500, L-2500, L-3500, PAP-3250, PAP-5000, PAP-6000, PAP-9000, PAP-16000, PAPH-7000, PAPH-6000, PL-1200, PL-1000, PL-1500, PL-2000, PL-2501, PL-3600R, Pli-2000, PLA-850, PLA-2500, PLAR-3600, PLAR-4000, PLAR-4500, PLAR-6500, PLD-4000, PLD-5000, PLH-4000, PLR-3600, PLR-3601, PLR-3602, PLR-5000, PLR-5002, PLR-6000, PLR-7000, PLR-8001, PLR-10002, PLR-12004, PLR-12005, PLR-15000, PLRH-5000, PLRS-3601, PLRS-3602, PLRS-4000, TDB-3603, TDB-5000, TDB-12000, TDB-12001, TSB-2500, TSB-2500L, TSB-10000</p>

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