



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

Certificate No. : **20TZ461**

Approval No. : **20LA044**

THIS IS TO CERTIFY that

ONURSAN GEMI INSA ONARIM VE TICARET LIMITED SIRKETI

Aydinli -Birlik Osb Mahallesi 2. Sk No:4/1 Tuzla/Istanbul Turkey

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 **24 August 2025** subject to periodical assessment.

Issued at Tokyo on 25 August 2020.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(Y. Iga)

General Manager of Survey Department

NIPPON KAIJI KYOKAI



Attachment to

Certificate Number 20TZ461

Make	Type
ARIM MACHINERY & ENG.CO.	Rescue boat & Life raft launching appliance (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, MS07series) Life raft launching appliance (ARLD-20P SK-H series, ARPV/LD-2050 SK-H series)
DENIZSAN GEMI MAKINE SAN. VE TIC. A.S.	Free Fall Davit (DSFFD50) Rescue Boat Davit (DSRBD21, DSRBHC21) Fast Rescue Boat Davit (DSFRB21) Pivoting Lifeboat Davit (DSFV3/5, DSFV7)
DONG WOO MACHINERY & ENGINEERING CO., LTD.	Hinged gravity boat davit and freefall davit rescue davit and life raft davit (DWS series, LRDS series, RBDS series)
SURVITEC (DSB)	Rescue boat (DSB DSB-3.9 SR IRB, 4.3 SR IRB, 420-IRB, 470 IRB, 5.1 SR IRB, 530 IRB)
Fassmer-Marlan d Ltd.	Davit launched totally enclosed lifeboat (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) Freefall lifeboat (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)) Rigid rescue boat (RR4.2/4.2-M, RRH4.2, RR4.2 ID) Fast rigid rescue boat (FRR6.1ID/6.2ID) On load release gear (Duplex 2.5/2.5E/25E2/5.0/5.0E/50E2, HH43) Pivot davit (FPD-D60/D68/DH68, SRH70) Freefall davit (FFH49/49D/66/66D/72/77/83) Freefall ramp (FLR49/66/72) Rescue boat crane (FSAR 14/3.5HS/ 4.0/3.5HS / 21/4.0HS / 25, FSARR 14/3.5HS / 21/4.0HS / 22/4.0HS, FMAH 22KN) Winch for pivot davit (DEW 15-24/15-35/15-44, D52L/R, DW34S/Z, MW50/50C) Winch for freefall davit (FW35) Winch for rescue boat crane (DEW 150/450, RZ25)
Hai Hong Boat Making Co., Ltd. (Guangzhou)	Davit launched totally enclosed lifeboat (HH57C/57T/65C/65T/70C/70T) (Hai Hong type) On load release gear (HH43) (Hai Hong type)

<p>GEPA-FIBERGLASS INDUSTRY & TRADE CO. INC.</p>	<p>Freefall Lifeboats (G-FFF1, G-FFF1-FP, G-FFF2, G-FFF2-FP, G-FFF3, G-FFF3-FP) Totally Enclosed Lifeboats (G-F6K, G-F6K-FP, G-F4K, G-F4K-FP, G-F3K, G-F3K-FP) Partially Enclosed Lifeboats (G-F6YK, G-F4YK, G-F3YK, G-F3YK-T) Open Type Lifeboats (G-F5, G-F2, G-F1, G-F6, G-F4, G-F3) Service & Utility Boats (G-GSB3, G-GSB4, G-GSB2, G-GSB1, G-F5-UB, G-F2-UB, G-F1-UB, G-F6-UB, G-F4-UB, G-F3-UB) Rescue Boats & Hook Release Devices (G-RB1, G-RB1-DE, G-RB3, G-FRB1-O, G-FRB2-O, G-K1, G-K2)</p>
<p>GURDESAN Gemi Mak. San. Ve Tic. A.S.</p>	<p>Rescue boat & Liferaft Davit (GD.RRS15/3,5, GD.RRS15/3,5A, GD.RRS21/4.0, GD.RRS25/4.0, GD.RRS25A, GD.RRS64A, GD.RRS64B) Rescue boat & Liferaft & Hose Handling Crane (GD.KHK20/4-5-6-7-8-9-10, GD.KHK30/6.5, GD.KHK60/13.5) Side Launching Davit (GD.GR20, GD.GR25, GD.GR40, GD.GR43) Accommodation Ladder (GD.HBMA30/50, GD.HBMK30/5-6-7-8, GD.HBMK40/5-6-7-8, GD.HBMK50/5-6-7-8) Free Fall Davit (GD.FFD10C, GD.FFD12, GD.FFD12Y, GD.FFD15A, GD.FFD18, GD.FFD19, GD.FFD19A, GD.FFD19C, GD.FFD19E, GD.FFD20, GD.FFD20B, GD.FFD20Y, GD.FFD21, GD.FFD21Y, GD.FFD22, GD.FFD22Y, GD.FFD25, GD.FFD25A, GD.FFD25B, GD.FFD25C, GD.FFD26, GD.FFD28, GD.FFD35)</p>
<p>Hatecke GmbH</p>	<p>Rescue Boats (RB AB, RB AB Duplex, RB AB FH, RB IB, RB/FRB AB FH) Launching Appliances (FFA, FFA LP, FFB, Gsp.O, GspFP, GXP.FLH, W07, W10, W26) Lifeboats (GFF, GFF-T, GSAR, GSL, GSL-T) Release Gear (Duplex 2.6/3.0/3.5/4.3/4.6/6.0, GFF-R-10/11/8, RAFTI 2.5, Simplex2.0 Off-Load/2.0 to/2.0 i/3.0/4.3/6.0)</p>
<p>HENRIKSEN</p>	<p>Annual inspection of Henriksen Hooks (HH001)</p>
<p>HOEI SENPAKU CO., LTD.</p>	<p>Lifeboats/Rescue boats (HS650, HS650F, HS520, HS520F, SO, SM, FO, FM)</p>
<p>HLB Co., Ltd.</p>	<p>Lifeboat & Rescue Boat (Series of HD, HT, HDL, HLB, HDFL, HDFN, HDR, HDFR) Release Mechanism (Series of THP, Talon, Talon II)</p>
<p>BADA Heavy Industries Co., Ltd.</p>	<p>Davit (Series of BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, HDFL, HDF, BDF, BDR, BDH, BDA, BDF, BDL, BDR, BHI) Winch (Series of BAW, BDF, BLW, BMW, BRW, BWL, BWR, FHW) Release Mechanism (Series of BDR, BHA, BHR)</p>

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IKNOW Machinery Co., Ltd. (ex. Tsuji Heavy Ind.)	Davit (Series of H, T, TC) Winch (Series of EB, TC, OAP)
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Jiangyin 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) 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-7.50, JY-QFP/N-8.00, JY-QFP/N-8.50, JY-QFP/N-8.50X, JY-QFP/N-9.35) Hook (JX-1, JX-2, JX-3, JXN-1, JXN-3) Gravity luffing arm type davit (JYL52, JYL55, JYL65, JYL85, JYL105, JYL135) Launching appliance (JYF55, JYF75, JYF90) Platform Davit (JYP65, JYP85, JYP105, JYP135) Single arm davit (JYR21, JYRC21, JYR14, JYRH14, JYRH21, JYR30) Electric Boat Winch (JYW42, JYW50, JYW70, JYW100, JYWP70, JYWP100, JYWP135)
Japan Marine United Corporation	Gravity Lifeboat (GF80B, GF80C, GF80E, GF80F, GF80G, GF80H, GTR57(C,F), GTR57JY(C,F), GTC60C, GTC65(C,F), GTC70(C,F), GTC75(C,F), GT65F, GI70F, GT75F,) Other (JY series of Jiangsu Jiaoyan with JMU nameplate with JG shop inspection approval certificate) Free Fall Lifeboat (MU-FN-5.8J, MU-FF-5.8J, MU-FN-6.8J, MU-FF-6.8J) Open Lifeboat (S65A, S73A, S75A, 80A, G73B, G73C, G75A, G80A) Gravity Lifeboat Davit (MUL52(WINCH: MUW42R/MUW42L)) Free Fall Lifeboat Davit (MUF55J, MUF75J) Rescue Boat (MU-GJ4.5J) Rescue Boat Davit (MUR21J)
MANSEI INC.	Davits (Series of M, H, HR, V, T, BD, S, SR, R, RD, FH, FE, MFR, MGR) Winches (Series of W, RW, AW, BW, SW, LW, 06, FW) Release hook (Series of RH)
MIURA MACHINE CO., LTD.	Davits (Series of SP, MV, GRA, SAR) Winches (Series of BH, BE, BA)

MANABE ZOKI CO., LTD.	Boat davit & winch (5000R/L, 7800R/L)
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 (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)
JIANGYINSHI BEIHAI LSA CO., LTD.	BOAT (SERIES OF SC, JYB) HOOK (SERIES OF JYBHK) DAVIT (SERIES OF SM, SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD)
NARWHAL BOATS SL	Rescue boat (SV-400, SV-420, SV-480, SV-750) Fast Rescue Boat (FRB-700)
NISHI-F Co., Ltd. (Ex. Nishi Nippon F.R.P. Shipbuilding Co., Ltd.)	Lifeboat/Rescue boat (ML series, F series)
Ishihara Dockyard Co., Ltd.	Lifeboat/Rescue boat (G series)

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<p>Oriental Precision & Engineering Co., Ltd.</p>	<p>Hinged Gravity Type Davit & Winch (Davit: HGD series, HGK series, SHS series, RTD series, DHA series, DMA series, Winch: BWE series, SWE series, WL series) Free Fall Davit & Winch (FD series, WL series) Rescue / Liferaft Davit & Winch (RD series, RDW series)</p>
<p>Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd.</p>	<p>Totally enclosed lifeboat (BH-5/5A/5S/5SA/E500/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/A) Rescue boat (BH-R4/R4S/R4SA/R5S/HR6/HR7) Gravity Pivot Davit (BD-PV50/PV60/PV60S/PV85/PV125/AR125/AR160S) Freefall launching Davit (BD-FF55/55A/55R/FF80/80A/80R/80B/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) Gravity lifeboat release mechanism (BG-3/3L/BG-7/BH-HOOK3/HOOK5/FS5/FS7) Freefall Lifeboat release mechanism (BG-3.5F/4F/4.5F/4.5FL/5F/6F) Rescue boat release mechanism (BG-2R, WUXI XINGSHENG 15/23/25/35KN HOOK)</p>
<p>SEKIGAHARA SEISAKUSHO LTD.</p>	<p>Gravity type davit (SH, SFB, SHS, STS, SSS) Free-fall lifeboat davit (SFS, SFA, SFB, SFC, SFD) Rescue boat davit (SJS, SJR)</p>
<p>SHIGI SHIPBUILDING CO.,LTD.</p>	<p>Totally Enclosed Lifeboats (SZ series) Lifeboats (OPEN type) Free Fall Lifeboats (FEL series, GARS series) Rescue Boats (VOX series) Release gear</p>
<p>SHIN MYUNG TECH CO., LTD.</p>	<p>Launching appliances (SM-LRD, SMRB&PVH, SMRB&LR, SMRBD-LSW, SMLRD-LSW, SMRB&LR-NLSW)</p>
<p>TOWIMOR</p>	<p>Cranes (PBS7210/5510, PBR6210, PB5610, FTS40026D/45028D, PH7525/10024, PZ15012, P6013,5/4012/2010/4504/16018 /5010/5009/4013/3006/6018/1512, DA174,5, DB174,5, DC214)</p>

Vestdavit AS	Davit (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)
WUXI DONGWU MARINE EQUIPMENT CO., LTD	Gravity Luffing Arm Davit (18kN, 25kN, 40kN, 50kN, 60kN, 60kN(60L), 85kN, 110kN, T2.5, Sk50) Gravity Sliding Track Davit (25kN, 30kN) Free-fall Lifeboat Launching Appliance (F55, F70, NPT100F) Rescue Boats/liferafts Launching Appliances (21kN manual, 21kN Electrical, 21kN Electrical/hydraulic, 25kN Electrical / hydraulic, 35kN Electrical / hydraulic, DWC210) Rescue Boats Launching Appliances (A30, H35) Lifeboat winch (DS*ZY25, DS*ZY40, D50S, DS*ZY63, D63S, 80kN (life)) Life/rescue boat winch (DZY/Z21, DZ*ZY25, DZ*ZY40, D50Z, DZ*ZY63, D63Z, 80kN (rescue))
Wuxi Hai Hong Boat Making Co., Ltd.	Totally enclosed life / rescue boat series (HH50C/HH50T, HH53C/HH53T, HH57C/HH57T, HH65C/HH65T, HH65CS/HH65TS, HH70C/HH70T, HH75CS/HH75TS, HH75C, HH80CS/HH80TS, HH85C/HH85TS) Freefall Lifeboat series (HH59FC/HH59FF, HH76FC/HH76FF) Rescue Boat series (GJ4.5B/GJ4.5B1) High Speed Rescue Boat (GJ618A/GJ618B)
Zhejiang Hengxin Ship Equipment Co., Ltd.	Lifeboat Series (BCC, BCF, BCFC, BCFF) Rescue Boat Series (GJ, FRH, RH) Release Mechanism Series (HK) Davit Series (FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN)
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd.	Gravity davit (LE55/LE65/LE85/LE100/LE138/LE170, HE65/HE85/HE100) Launching appliance davit (FH55/FH70/FH75/FH85/FH100) Single arm davit and crane (SAF14, SAF21, SAF25, SA32, HDCL2-6.5, HDCL3-6, HDCL3-10) Off-Shore davit (PL65/PL85/PL100/PL110/PL138) Fastrescue boat davit (LFR30/LFR35/LFRH30)
SURVITEC ZODIAC	Rescue boat and Fast rescue boat (RB 4/6, RIBO 340/420/450/600, FRB600)



**CERTIFICATE OF APPROVAL FOR FIRMS
ENGAGED IN
SERVICING LIFE-SAVING APPLIANCES**

Certificate No. : 19TZ151

Approval No. : 11LR026

THIS IS TO CERTIFY that

ONURSAN CO. LTD.

Icmeler, Rauf Orbay Cad. Gul sk. No:8, Tuzla, Istanbul, Turkey

is approved as a firm engaged in servicing life-saving appliances units under the Rule for Approval of Manufacturers and Service Suppliers of the Society. This certificate is valid until 14 February 2024 subject to periodical assessment.

Issued at Tokyo on 9 April 2019.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(Y. Iga)

General Manager of Survey Department



**CERTIFICATE OF APPROVAL FOR FIRMS
ENGAGED IN
INSPECTION AND MAINTENANCE OF
FIRE FIGHTING EQUIPMENT AND SYSTEMS**

Certificate No. : 19TZ152

Approval No. : 09FE004

THIS IS TO CERTIFY that

ONURSAN CO. LTD.

Icmeler, Rauf Orbay Cad. Gul sk. No:8, Tuzla, Istanbul, Turkey

is approved as a firm engaged in inspection and maintenance of fire fighting equipment and systems under the Rule for Approval of Manufacturers and Service Suppliers of the Society.

This certificate is valid until 13 February 2024 subject to periodical assessment.

Issued at Tokyo on 9 April 2019.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(Y. Iga)

General Manager of Survey Department