



Lloyd's Register Approved Service Supplier

Supplier

Daelim Marine Co., Ltd.

Address

40 Jangsaengpogorae-ro 125beon-gil, Nam-gu, Ulsan, 44780, South Korea

Contact Details

Contact Number

The above company having been assessed hereby receives approval in accordance with the requirements of Lloyd's Register Procedures for Approval of Service Suppliers as Supplier from the address(es) listed above for the provision of

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| Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear |
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Service Supplier's personnel are certified in accordance with manufacturers' established certification programmed. The service supplier is authorised to work on the makes and types shown in the attached Appendix A.

This Service Supplier has been approved to service the equipment in accordance with IMO Resolution MSC.402(96), as amended.

Service engineers are to be provided with a valid Certificate, issued by this Approved Service Supplier, which defines their level of qualification and the scope of the certification (i.e. makes and types of equipment and specifically state which activities (e.g. annual thorough examination and operational tests; 5-year thorough examination, overhaul; overload operational tests; repairs) are covered by the certification). This Certificate should be made available when requested.

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| Inspections And Maintenance Of Self-Contained Breathing Apparatus |
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General inspection of breathing apparatus
Air quality test
Hydraulic pressure test for cylinders

YD Shol

Senior Surveyor to Lloyd's Register Asia
A member of the Lloyd's Register group



Lloyd's Register Approved Service Supplier

Inspections And Maintenance Of Fire-Extinguishing Equipment And Systems

Inspection and maintenance of portable and non-portable fire-extinguisher;
Low/High pressure CO2 System
Deck Foam System
Dry Chemical Powder System
Local Application Water Mist System

Servicing Of Inflatable Liferafts, Inflatable Lifejackets, Hydrostatic Release Units, Inflatable Rescue Boats, Marine Evacuation Systems

Service of inflatable life raft manufactured by;
- Ningbo Neptune life-saving equipment Co., Ltd.
- Shanghai Youlong Rubber products Co., Ltd.
- SG Safety Corporation Co.
- Shanghai Star Rubber Products Co., Ltd.

Hydraulic Tests Of Low And High Pressure Cylinders

Service Of Immersion Suits, Thermal Protective Aids, And Chemical Protective Clothing

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Lloyd's Register Approved Service Supplier

This approval is conditional upon the Supplier maintaining the documented scheme as audited by any member of the Lloyd's Register Group and hereby approved; and notifying Lloyd's Register in writing of any change to that scheme including any change in personnel, equipment or procedures. This certificate is issued to the Supplier and, subject to the Supplier complying with the necessary conditions, is valid to the date referred to above.

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Appendix A

Office: **Ulsan**

Date: **20 September 2022**

This Certificate is issued to Daelim Marine Co., Ltd.

The service supplier has been approved to service the following equipment in accordance with MSC.402(96).
Certified in accordance with a recognised national, international or industry standard – ISO PAS23678:

|  DAELIM MARINE CO.,LTD. | | MAKER & TYPE List | | | | | | | | | | | | | | | | | |
|---|---|---|--|-----------|-------|-----------------------|---|--------------------|--|----------------------|-------------|------------------------|--------------------------------------|---------------------|--------------------|-------------|----------------------|-------------------|---------------------------------|
| No. | Maker/Manufacturer | Type/Model/Series | | | | | | | | | | | | | | | | | |
| 1 | ARIM ENG. & MACHINERY CO. | Type/Series: ARPV series, ARLD series | | | | | | | | | | | | | | | | | |
| 2 | MANSEI INC. & MIURA MACHINE CO., LTD | <p>Types of products manufactured by MANSEI INC.</p> <p>Davits: Series of "EBD-", "EM-", "ABD-", "AH-", "AT-", and "AV-" Series of "EH-", "ET-", "EV-", "M-", and "CM-" Series of "D-FH.", "DE-FH.", "MFE-", and "MFH-" Series of "SR-", "SRE-", "R-", "S-", "RD-", and "EHR-"</p> <p>Winches: Series of "EBW-", "ABW-", and "AW-" Series of "EW-", "MW-", and "CMW-"; Series of "06.", and "FW-" Series of "SW-", "RMW-", "MLW-", and "ERW-"</p> <p>Release hooks: Series of "RH-"</p> <p>Types of products manufactured by MIURA MACHINE CO.,LTD.</p> <p>Davits: Series of "SP", "MVD", "GRA", and "SAR"</p> <p>Winches: Series of "BH", "BE", and "BA"</p> | | | | | | | | | | | | | | | | | |
| 3 | DSB ENGINEERING CO., LTD. | <table><tr><th>Boat Type</th><th>Model</th></tr><tr><td>Gravity type Lifeboat</td><td>: DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C</td></tr><tr><td>Gravity type Davit</td><td>: DSB60DL, DSB85DL, DSB138DL, DSB205DL</td></tr><tr><td>Hydraulic type Davit</td><td>: DSB150DYL</td></tr><tr><td>Freefall type Lifeboat</td><td>: DSB49FF/FC, DSB59FF/FC, DSB75FF/FC</td></tr><tr><td>Freefall type Davit</td><td>: DSB70DF, DSB85DF</td></tr><tr><td>Rescue boat</td><td>: DSB40R, DSB60RA/RB</td></tr><tr><td>Rescue boat Davit</td><td>: DSB23DR, DSB30ARH, DSB18/27DR</td></tr></table> | | Boat Type | Model | Gravity type Lifeboat | : DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C | Gravity type Davit | : DSB60DL, DSB85DL, DSB138DL, DSB205DL | Hydraulic type Davit | : DSB150DYL | Freefall type Lifeboat | : DSB49FF/FC, DSB59FF/FC, DSB75FF/FC | Freefall type Davit | : DSB70DF, DSB85DF | Rescue boat | : DSB40R, DSB60RA/RB | Rescue boat Davit | : DSB23DR, DSB30ARH, DSB18/27DR |
| Boat Type | Model | | | | | | | | | | | | | | | | | | |
| Gravity type Lifeboat | : DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C | | | | | | | | | | | | | | | | | | |
| Gravity type Davit | : DSB60DL, DSB85DL, DSB138DL, DSB205DL | | | | | | | | | | | | | | | | | | |
| Hydraulic type Davit | : DSB150DYL | | | | | | | | | | | | | | | | | | |
| Freefall type Lifeboat | : DSB49FF/FC, DSB59FF/FC, DSB75FF/FC | | | | | | | | | | | | | | | | | | |
| Freefall type Davit | : DSB70DF, DSB85DF | | | | | | | | | | | | | | | | | | |
| Rescue boat | : DSB40R, DSB60RA/RB | | | | | | | | | | | | | | | | | | |
| Rescue boat Davit | : DSB23DR, DSB30ARH, DSB18/27DR | | | | | | | | | | | | | | | | | | |
| 4 | IKNOW MACHINERY CO., LTD. (ex, TSUJI HEAVY INDUSTRIES CO., LTD.) | Series of Davit: H, T, TC Winch: EB, TC, OAP | | | | | | | | | | | | | | | | | |

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|--|--|---|-----------|----------------|--|--------------------------------|---|----------------------------------|----------------------------------|----------------------------------|--------------------------------------|---|--|--|----------------------------------|--|------------------|--------------------------------|--|----------------------|---------------------------|--------------------------------------|------------|-------------------|-----------------------------|-------------|--|--|--|
| 5 | ORIENATAL INSPECTION & SERVICE CO., LTD. | Type · 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 / LIFRAFT DAVIT & WINCH - RD SERIES, RDW SERIES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd. | <table><tr><td rowspan="3">Lifeboat</td><td>Total enclosed</td><td>BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8.</td></tr><tr><td>Freefall</td><td>BH-F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8,F660,F670,F750,F900/A</td></tr><tr><td>Rescue</td><td>BH-R4,R4S,R4SA,R5S</td></tr><tr><td rowspan="3">Davit</td><td>Gravity Pivot</td><td>BD-PV50,PV60,PV60S,PV85,PV125</td></tr><tr><td>Freefall launching</td><td>BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67/85</td></tr><tr><td>Single arm</td><td>BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23</td></tr><tr><td>Winch</td><td></td><td>BW-H(L/R)31,50,63,75;L(L/R)75,125;SC14;21;30</td></tr><tr><td>Release</td><td>Gravity lifeboat</td><td>BG-3,3L, BG-7;BH-HOOK3,HOOK5,FS5,FS7</td></tr><tr><td rowspan="2">Mechanishm</td><td>Freefall lifeboat</td><td>BG-3.5F,4F,4.5F,4.5FL,5F,6F</td></tr><tr><td>Rescue boat</td><td>BG-2R; WUXI XINGSHENG 15,23,25,35KN HOOK</td></tr></table> | Lifeboat | Total enclosed | 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 | BH-R4,R4S,R4SA,R5S | Davit | Gravity Pivot | BD-PV50,PV60,PV60S,PV85,PV125 | Freefall launching | BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67/85 | Single arm | 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 | Gravity lifeboat | BG-3,3L, BG-7;BH-HOOK3,HOOK5,FS5,FS7 | Mechanishm | Freefall lifeboat | BG-3.5F,4F,4.5F,4.5FL,5F,6F | Rescue boat | BG-2R; WUXI XINGSHENG 15,23,25,35KN HOOK | | |
| Lifeboat | Total enclosed | 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 | BH-R4,R4S,R4SA,R5S | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Davit | Gravity Pivot | BD-PV50,PV60,PV60S,PV85,PV125 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Freefall launching | BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67/85 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Single arm | 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 | Gravity lifeboat | BG-3,3L, BG-7;BH-HOOK3,HOOK5,FS5,FS7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mechanishm | Freefall lifeboat | BG-3.5F,4F,4.5F,4.5FL,5F,6F | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Rescue boat | BG-2R; WUXI XINGSHENG 15,23,25,35KN HOOK | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Wuxi Hai Hong Boat Making Co., Ltd. | <table><tr><td>Equipment</td><td>Type</td></tr><tr><td rowspan="8">Totally enclosed life / rescue boat series</td><td>HH70C / HH70T(QFP7.0/QFN7.0)</td></tr><tr><td>HH85CS/HH85TS(QFP8.5/QFN8.5)</td></tr><tr><td>HH65CS / HH65TS(QFP6.5/QFN6.5)</td></tr><tr><td>HH75CS / HH75TS(QFP7.5/QFN7.5)</td></tr><tr><td>HH80CS / HH80TS(QFP8.0/QFN8.0)</td></tr><tr><td>HH65C / HH65T(QFP(H)6.5/QFN(H)6.5)</td></tr><tr><td>HH50C / HH50T, HH53C / HH53T(QFP(H)5.3)</td></tr><tr><td>HH75C(QFP(H)7.5), HH85C / HH85T, HH57C / HH57T</td></tr><tr><td>Freefall Lifeboat Series</td><td>HH59FC / HH59FF, HH76FC / HH76FF</td></tr><tr><td>Rescue Boat Series:</td><td>GJ4.5B / GJ4.5B1</td></tr><tr><td>High Speed Rescue Boat Series:</td><td>GJ618A / GJ618B</td></tr><tr><td>Release Gear Series:</td><td>HH76 / HH43 / HH30 / HH20</td></tr></table> | Equipment | Type | Totally enclosed life / rescue boat series | HH70C / HH70T(QFP7.0/QFN7.0) | HH85CS/HH85TS(QFP8.5/QFN8.5) | HH65CS / HH65TS(QFP6.5/QFN6.5) | HH75CS / HH75TS(QFP7.5/QFN7.5) | HH80CS / HH80TS(QFP8.0/QFN8.0) | HH65C / HH65T(QFP(H)6.5/QFN(H)6.5) | HH50C / HH50T, HH53C / HH53T(QFP(H)5.3) | HH75C(QFP(H)7.5), HH85C / HH85T, HH57C / HH57T | Freefall Lifeboat Series | HH59FC / HH59FF, HH76FC / HH76FF | Rescue Boat Series: | GJ4.5B / GJ4.5B1 | High Speed Rescue Boat Series: | GJ618A / GJ618B | Release Gear Series: | HH76 / HH43 / HH30 / HH20 | | | | | | | | |
| Equipment | Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totally enclosed life / rescue boat series | HH70C / HH70T(QFP7.0/QFN7.0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH85CS/HH85TS(QFP8.5/QFN8.5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH65CS / HH65TS(QFP6.5/QFN6.5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH75CS / HH75TS(QFP7.5/QFN7.5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH80CS / HH80TS(QFP8.0/QFN8.0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH65C / HH65T(QFP(H)6.5/QFN(H)6.5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH50C / HH50T, HH53C / HH53T(QFP(H)5.3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HH75C(QFP(H)7.5), HH85C / HH85T, HH57C / HH57T | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Freefall Lifeboat Series | HH59FC / HH59FF, HH76FC / HH76FF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rescue Boat Series: | GJ4.5B / GJ4.5B1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| High Speed Rescue Boat Series: | GJ618A / GJ618B | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Release Gear Series: | HH76 / HH43 / HH30 / HH20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|---|----------------------------|---|
| 8 | CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd. | Davit | Model |
| | | Gravity davit | 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 |
| | | Launching appliance davit | FH55/FH70/FH75/FH85/FH100 |
| | | Single arm davit and crane | SAF14/SAFC21/SAFC25/SA21/SA32/HDCL2-6.5/HDCL3-6/HDCL3-10/LA25/LA35/DH30 |
| | | Off-Shore davit | PL65/PL85/PL100/PL110/PL120/PL138/PL150/PL180/PL200/PL230 |
| | | Fastrescue boat davit | LFR30/LFR35/LFR55/LFRH30/LFR50/LFRH60/DH30/SAWH30/SAWH45/SAWH60 |
| | | | |
| | | Boat | Model |
| | | Totally Enclosed Lifeboat | 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 |
| | | Free Fall Lifeboat | YH5.9FP/YH5.9FN/YH6.7FP/YH6.7FN/YH7.5FP/YH7.5FN/YH8.5FP/YH8.5FN |
| | | Fast rescue boat | YH6.0FRA/YH6.0FRB/YH6.5FRA/YH6.5FRB |
| | | Rescue boat | YH4.5R/YH4.5DR/YH7.5 |
| | | Hook | HK25/HK25B/HK40/HK40C/HK65/SH70/SH85 |

*Note: Please refer to their individual authorised certificate as the type/model/series of equipment may varies.

This Appendix shall be attached to the Service Supplier Approval Certificate LR22405158AS and no signature required as it is issued electronically.

Y.D. Shol
Surveyor to Lloyd's Register Asia

a member of the Lloyd's Register group.