

APPROVAL OF SERVICE SUPPLIERS

This is to certify that

**INSPEMAX REPAROS NAVAIS E INDUSTRIAIS LTDA - EPP/TRADE NAME: ALKYONIS
INSPEMAX**

Santos, Brazil

is granted acceptance for

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear , in accordance with Class Programme DNV-CP-0484 and IACS UR Z17 Annex 1 [13].

This service supplier certificate will be accepted for use with all rule sets published by DNV.
See the following page(s) for details regarding application.

This Certificate is valid from **2024-01-19** to (inclusive) **2027-01-18**.

This Certificate is issued on **2024-03-14**.



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signatures

Barbosa, João Gabriel
Surveyor

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Application:

Approval conditions stated on Class Programme DNV-CP-0484 - Approval of service supplier scheme - July 2023 and IACS ur Z17 rev.18.

- Renewal audit carried out by DNV Santos office. Reference: Checklist AOSS 6121 dated 2024-01-19.

Lifeboats(incl. freefall lifeboats)	
Make	Model/ Series
JIANGYINSHI BEIHAI CO.,LTD	SC, JYB
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD	JY-FN-4,9 / JY-FF-4,9 / FY-FN-5,8 / FY-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 / JY-QFP / N-5.0 / JY-QFP / N-5.25 / GTRS57JYC / 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
QINGDAO BEIHAI BOATBUILDING COM.,LTD	BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8 / BH-F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8,F660,F670,F750,F900/A
HYUNDAI LIFEBOATS / BADA HEAVY INDUSTRIES	HD,HT,HDL,HLB,HDF,HDFL,HDFN,HDR & HDFR
WUXI HAI HONG BOAT MAKING CO., LTD	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)6.5), HH75C(QFP(h)7.5), HH85C/HH85T,HH57C,HH57T, HH59FC, HH59FF, HH76FC, HH76FF
CSSC LUZHOU ZHENJIANG MARINE AUXILIARY	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/Z ZHG-BF-12.5/YH5.9FP/YH5.9FN/YH6.7FP/YH6.7FN/YH7.5FP/YH7.5FN/YH8.5FP/YH8.5FN

Rescue boats(incl. Fast rescue boats)	
Make	Model/ Series
JIANGYINSHI BEIHAI CO.,LTD	SC, JYB
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD	GJ4.2 / GJ4.25 / GJ4.5 / GJ5.0 / GJ5.25 / GJ6.0B-1 / GJ6.10 / GJ7.50 / GJ8.0Q-2 / GJ8.5Q2
QINGDAO BEIHAI BOATBUILDING COM.,LTD	BH-R4,R4S,R4SA,R5S
HYUNDAI LIFEBOATS / BADA HEAVY INDUSTRIES	HD,HT,HDL,HLB,HDF,HDFL,HDFN,HDR & HDFR
WUXI HAI HONG BOAT MAKING CO., LTD	GJ4.5B / GJ4.5B1, GJ618A,GJ618B

CSSC LUZHOU ZHENJIANG MARINE AUXILIARY	YH6.0FRA/YH6.0FRB/YH6.5FRA/YH6.5FRB/YH4.5R/YH4.5DR/YH7.5
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Release gear(for lifeboats(incl. freefall), rescue boats, fast rescue boats and davit launched liferafts)	
Make	Model/ Series
JIANGYIN SHI BEIHAI CO.,LTD	JYBHK
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD	JX AND JXN SERIES
QINGDAO BEIHAI BOATBUILDING COM.,LTD	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
HYUNDAI LIFEBOATS / BADA HEAVY INDUSTRIES	THP, TALON & TALON II
WUXI HAI HONG BOAT MAKING CO., LTD	HH76,HH43,HH30,HH20
CSSC LUZHOU ZHENJIANG MARINE AUXILIARY	HK25/HK25B/HK40/HK40C/HK65/SH70/SH85

Launching appliances(for lifeboats(incl. freefall), rescue boats, fast rescue boats and davit launched liferafts)	
Make	Model/ Series
JIANGYIN SHI BEIHAI CO.,LTD	Davit: SM, SAC,SA,FA,LA,BHGH,PD,FRH,EHRD, SRH,BHGP, RB,HB, HDC,ESAD. Winch: D,DW,HW,JYBW,FFW
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD	Davit: JYL52 / JYL55 / JYL65 / JYL-85 / JYL105 / JYL135 / JYP65 / JYP85 / JYP105 / JYP135 / JYF55 / JYF75 / JYF75-B / JYF90 / JYP65 / JYP85 / JYP105 / JYP135 / JYR21 / JYR21S-A / JYRC21 / JYR14 / JYRH14 / JYRH21 / JYR26 / JYR30. Winch: FW45 / JYW42 / JYW50 / JYW70 / JYW100 / JYWP70 / JYWP135 / JYW35 / JYRZ21
QINGDAO BEIHAI BOATBUILDING COM.,LTD	Davit: BD-PV50,PV60,PV60S,PV85,PV125/ BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67,FF85 / BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23. Winch: BW-H(L/R)31S,50,63,75;L(L/R)75,125;SC12;21;YSB series hydraulic winch
HYUNDAI LIFEBOATS / BADA HEAVY INDUSTRIES	Davit: DRM, BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, HDFL, HDF, BDF, BDR, BRH, BDA, BDFA, BDL, BLR, BHI. Winch: DRM, DRBW, BAW,BDF, BHI, BLR, BLW, BMW, BRW, BWL, BWR, FHW.
ORIENTAL PRECISION	Davit: HGD, HGK, SHS, RTD, DHA, DMA,FD, WL SERIES. Winch: BWE, SWE, WL, RD, RDW SERIES
CSSC LUZHOU ZHENJIANG MARINE AUXILIARY	LE555-1/LE65-1/LE85-1/LE100-1/LE138-1/LE170-1/HE65 /HE85/HE100/HE138/HE170/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/FH55/FH70/FH75/FH85/ FH100/SAF14/SAF21/SAFC25/SA21/SA32/HDCL2-6.5/ HDCL3-6/HDCL3-10/LA25/LA35/DH30/PL65/PL85/PL100/ PL110/PL120/PL138/PL150//PL180/PL200/PL230/ LFFR30/LFR350/LFR55/LFRH30/LEFR50/LFRH60/DH30 /SAWH30/SAWH45/SAWH60

Remarks:

- Approved according to MSC.402(96)/ Corr.1 and IACS UR Z17, rev. 18;
- Neither agents, subsidiaries nor subcontractors are approved to carry out services on behalf of ALKYONIS INSPEMAX;
- Prior to beginning of each job, a valid personal certificate of service technician is to be presented and verified that it covers all the maker and types to be serviced;



Certificate No: **AOSS0000M7C**

- The Service Report, the approval of Service Supplier certificate and the personal certificates are to be left onboard upon completion of each job;
- Additional audits may be required if found necessary by the Class Society;
- It is company responsibility to inform DNV whenever there is modification of personnel qualification and manufacturer's approval.