



中國驗船中心
CR Classification Society

Certificate No. 911-22-011

Date July 27, 2022

APPROVAL CERTIFICATE FOR

*Firm Engaged in survey and maintenance of Lifeboats,
Launching Appliances and On-Load Release Gears*

This is to certify that

ASTRO FIRE & SAFETY PTE LTD

16T Enterprise Road Singapore 627667

has been approved in compliance with the "GUIDELINES FOR APPROVAL OF SERVICE SUPPLIERS" issued by CR Classification Society (hereinafter referred to as "the Society"). Surveyors of the Society may rely on the services provided by this Firm to make decisions affecting classification or statutory certification and services.

This Certificate is valid until July 26, 2025

CH IEN-HUA HUANG

Chief Surveyor,
CR Classification Society

(See Appendix for further details regarding subsidiaries/agents/operators etc.)

This Certificate may be cancelled if:

1. The service was improperly carried out, or the results were improperly reported.
2. Deficiencies are found by the Surveyor in the approval service operating system of the service supplier, and appropriate corrective actions are not taken.
3. Alterations have been made to the company's quality system relevant to the service supplier certificates, without documented notification to the Society.
4. Renewal or Occasional Assessment is not carried out in time.
5. Wilful acts or omissions are ascertained.
6. Any deliberate misrepresentation has been made by the service supplier.

Please refer to the CR website for the latest status of this approval: www.crclass.org/aw0/aw0.htm

Appendix:

List of the recognitions granted by Lifeboats, Launching Appliances and On-Load Release Gears manufacturers			
Equipment	Name of the manufacturer having authorized the service station	Type	Remarks, endorsements for addition / alteration
Lifeboats	JIANGSU JIAOYAN MARINE EQUIPMENT 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.	
	NINGBO ASIA F.R.P BOAT MANUFACTURING CO., LTD.	Totally Enclosed Lifeboat/Rescue Boat: YZ50C, YZ50F, YZ65C, YZ65F, YZ65CS, YZ65FS, YZ75C, YZ75F, YZ85C, YZ85F.	
		Free Fall Lifeboat: YZ49FC, YZ49FF, YZ59FC, YZ59FF, YZ60FC, YZ60FF, YZ675FC, YZ675FF.	
		Rescue Boat Series & Fast Speed Rescue Boat Series: YZ4.5S YZ4.5, YZ60RA YZ60RB.	
	VANGUARDE PTE LTD.	Lifeboat/Rescue Boat: VG, VG-FF/FC, KR, DB, DRS, DR4, HLB, HLBLR, FRK, FRW.	
	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD.	Lifeboat Series: BCC, BCF, BCFC, BCFF.	
		Rescue Boat Series: GJ, FRH, RH.	



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Launching Appliances	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	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.	
Launching Appliances	NINGBO ASIA F.R.P BOAT MANUFACTURING CO., LTD.	Gravity Luffing Arm Davit: L25, L50, YZL55, L65, L65S, L85, L120.	
		Single-Arm Rescue Boat Launching Appliance: ZF23/15 DZ14, ZF33 DZ25.	
		Free-Fall Lifeboat Launching Appliance: YZF55, YZF70.	
Launching Appliances	VANGUARDE PTE LTD.	Davit: LVD, PL, A, PLR, SRH, LR, VAE, VL, VL-G, VS.	
		Winch: DW/D, DW/S, SLR, DWP, HW, PRH, VW/S, VW/Z.	
Launching Appliances	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD.	Davit Series: FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN.	
		Winch Series: DZB, D, DW.	
On-Load Release Gear	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	Hook: JX and JXN Series.	
	VANGUARDE PTE LTD.	Hook(LRRS): C-SAFE, SPEARHEAD.	
	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD.	Release Mechanism Series: HK.	

Any change of facilities or deficiency in operating system of the service supplier having effect on quality of the service may render this Certificate invalid.



This certificate means that the company has been assessed in accordance with CR Guidelines and found capable of providing the listed service. It is the Service Supplier's responsibility to employ, train and qualify persons in the provided service. If the service requires approval from manufacturers, the Service Supplier is responsible to maintain contact with the manufacturer and maintain any servicing manuals or work procedures up to date.