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CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. 2021/XJ/01/65

This is to certify that

ANTIPIROS D.O.O.

PUJANKE 77A
Split CROATIA

*Has been approved in compliance with the
RINA "RULES FOR THE CERTIFICATION OF SERVICE SUPPLIERS"
for the supply of the following services to ships and other units classed by RINA;*

- D - Surveys and maintenance of fire extinguishing equipment and systems
- E - Servicing inflatable liferafts, inflatable lifejackets, hydrostatic release units,
inflatable rescue boats, marine evacuation systems
- H - Surveys and maintenance of self-contained breathing apparatus
- N - Maintenance, thorough examination, operational testing, overhaul and repair of
lifeboats and rescue boats, launching appliances and release gear

Issued in Trieste on
18/02/2022

This Certificate is valid from the date of the initial audit until
23/11/2024

This certificate consists of this sheet plus an attachment



RINA

Daniele Chirulli





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**ATTACHMENT TO
CERTIFICATE NO. 2021/XJ/01/65**

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VALIDITY CONDITIONS

This service supplier is certified by the manufacturer of following liferafts:

LALIZAS
ARIMAR
ZODIAC/BOMBARD
AVON
SEACURTY
SEAGO iso and offshore

This service supplier is certified according to the 'RINA Rules for the Certification of Service Suppliers' to carry out maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear in accordance with SOLAS Regulation III/20 for the list of makes and models/series of equipment in the attached Annex_N Table 1 and the Antipiros reports may be used.

The company is service station of Cralog A/S (Knoten 7- Denmark) authorised service provider according to IMO MSC 402(96) section 3.1, compliant with IMO MSC 402(96) section 7 and certified by RINA as service supplier and all reports issued for equipments specified in attached Annex_N Table 2 must be issued by CRALOG A/S.

Note 1: For the purpose of application of IMO Resolution MSC.402(96), including Corr.1, the service supplier is to be authorized by the Flag Administration under which the ship is registered. For Flag Administrations which have authorized RINA as their Recognized Organization and accept RINA 'Certificate of Approval of Service Supplier' as equivalent to their authorization document to the Service Provider, according to the IMO Resolution MSC.402(96), including Corr.1, this Certificate may be accepted also for statutory purpose, in lieu of the Flag's authorization document to the Service Provider, allowing the firm to provide their services on the makes and models/series of equipment listed in the Annex N to this Certificate

Note 2: This certificate of approval is also issued on behalf of Italian Administration according to the Italian 'Executive Decree n. 321' dated 21st April 2020 and Circular NDS n. 22/2021. Therefore, this Service Provider is authorized to provide their services on board ships flying Italian flag for the makes and types of equipment defined according to ISO/PAS 23678, listed in the table of Annex N to this Certificate, without prejudice to the particular requirements in the aforementioned Italian official documents.

INITIAL AND UNSCHEDULED AUDITS

Due date	Carried out on (dd/mm/yyyy)	Surveyor's signature	Surveyor's stamp



ON BEHALF OF MR JOSIP HAUSKNECHT

Mr Phil.

RINA

D. Chirulli

RINA Services S.p.A

	23/11/2021		
Unscheduled			
Unscheduled			
Unscheduled			

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessments
- c) RINA personnel are to be allowed to witness during the performance of activities, upon their request
- d) The activities are to be carried out in compliance with the RINA Rules and/or other applicable rules
- e) RINA may revoke the approval at any moment in the case of modifications to requirements or conditions for the approval

D. Chirulli

Daniele Chirulli

RINA



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Annex N

List of makes and types of equipment

Attached to Certificate No. 2021/XJ/01/65

The Service Supplier is approved by RINA for performing services such as maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear, in accordance with SOLAS Reg. III/20, for the following equipment:

TABLE 1

MAKE	TYPE acc. to ISO/PAS 23678	MODEL/SERIES
BALDEN	Rescue boat	single fall BD-R-series
	Totally enclosed lifeboats	BD-LB-series
	Fast rescue boat,	single fall BD-FF-series
	Release gear: Lifeboat on load – lift not over centre release gear	BD-LBH-series
	Release gear: Rescue boat offload w. onload capability	BD-H-series
	Release gear: Rescue boat automatic- lift over centre	BD-H-series
MONTMONTAZA GREBEN	Totally enclosed lifeboats	TEL-series, FFL-series
	Rescue boat	single fall RB-series
	Partially enclosed lifeboat	twin fall PEL-series
	Davit: Roller track gravity	SPG-series, GRA-series, RTD-series
	Davit: Free fall hydraulic / electric secondary	FFD-series, HFF-series, HFL-series
	Davit: Gravity single and twin fall outrigger	RC-series, FOD-series
	Davit: Single arm slewing	HPRC-series, SAR-series, PH-series
	Davit: Gravity freefall primary	FFL-series
	Davit: Hydraulic / el pivoting and luffing	HD-series, PHA-series, SPG-series, GD-series, PD-series
	Winch: Single Drum	HW-series, RC-series, EW-series, BW-series
ZHENJIANG JUST MARINE EQUIPMENT CO.,LTD.,	Fast rescue boat	single fall FRB-series
	Rescue boat	single fall RB-series
	Davit: Single arm slewing	SA-series
	Davit: A-Frame hydraulic	single arm / telescopic A-FRAME-series
	Davit: Gravity single and twin fall outrigger	L-series
	Winch: Single Drum	SD-series



Annex N

List of makes and types of equipment

TABLE 2

MAKE	TYPE acc. to ISO/PAS 23678	MODEL/SERIES
AVON	Rescue boat	Single fall SR series
ACTA	Davit: Single arm slewing	DR-series, DR20S-series, DR20/MOB-series
	Winch: Single Drum	KMER-series, GRAVITY LOWERING /HOSTING MANUAL-series, ELECTRIC HOISTING-series
ADRIA WINCH	Davit: Single arm Slewing	AW-SPB -series
BC SERVICE	Lifeboat on load lift not over center	U-HOOK-series
DSB DEUTSCHE SCHLAUCHBOOTE,	Rescue boat	single fall IRB-series
DAVIT COMPANY	Winch: Twin Drum	FB-series
D-I DAVIT INTERNATIONAL HISCHE GMBH	Davit: single arm slewing	DCR.R 14/3-series
	Release gear: Rescue boat offload w. onload capability	20KN-series
	Winch: Single Drum	ELECTRO MECHANICAL-series
ERNST HATECKE	Totally enclosed lifeboats	series, GFF 5,7 M-series, GFF 6,6T-series
	Fast rescue boat	single fall FRB-series
	Rescue boat	single fall RB-series, RESCUE BOAT-series, RB 400-series
	Davit: Free fall hydraulic / el secundar	FFA-series, FFA 5,7M-series
	Release gear: Freefall hydraulic	F-series, FREE FALL HYDRAULIC-series, HYDRAULIC PISTON-series
	Release gear: Rescue boat offload w. onload capability	SIMPLEX-series
	Release gear: Rescue boat offload	SIMPLEX1.1-series
	Winch: Single Drum	FFA-series, HYDRALIC WINCH-series
	Winch: Twin Drum	FREE FALL HYDRAULIC-series
FASSMER	Rescue boat	single fall RESCUE BOAT-series
	Release gear: Lifeboat on load lift not over center	DUPLEX-series
FAST RSQ	Fast rescue boat	single fall FRSQ 700-series
FERRI	Release gear: Davit launched life raft automatic	1448 TN-series
GLOBAL DAVIT	Release gear: Rescue boat offload	HRN.12-series
GLOBAL DAVIT GMBH	Davit: Single arm slewing	RHS.LS-series, RHS.L.S.-series, RHS.L-series, RMS T10/ 4,0-series
	Rescue boat offload	HRN-series
	Rescue boat offload w. onload capability	HR-series
	Winch: Single Drum	W08-series, W02-series, W04-series, SINGLE DRUM, GRAVITY LOWERING, ELECTRIC HOISTING-series, ELECTRO MECHANICAL-series



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GRINGA	Davit: Single arm slewing	DR-series, DR-017-300-R-1-series
	Winch: Single Drum	HYDRAULIC series
GURDESAN	Davit: Single arm slewing	GD-RRS-series
	Winch: Single Drum	GD-RRS-series
HAKODATE	Open lifeboat	twin fall OPEN-series
	Release gear: Lifeboat offload release lift over center	OFF LOAD-series, OFFLOAD HOOK-series
HARDING	Rescue boat	single fall MOB-series
	Totally enclosed lifeboats	LBF-series
	Open lifeboat	twin fall MS-series
	Release gear: Lifeboat offload release lift over center	OFF LOAD TWIN HOOKS-series
	Release gear: Rescue boat offload w. onload capability	RRH-series
	Release gear: Davit launched life raft automatic	ARH 23-series
HARDING (UMOE SCHAT HARDING)	Release gear: Rescue boat offload w. onload capability	RRH-series
HATECKE	Rescue boat	single fall RB-series
HATECKE GMBH	Totally enclosed lifeboats	GFF-series, GFF 5,7 M-series
	Rescue boat	single fall RB-series, RB 400-series
	Davit: Free fall hydraulic / el secondary	FFA-series
	Release gear: Lifeboat on load lift not over center	SIMPLEX 2.0I-series
	Release gear: Rescue boat offload	SIMPLEX 2.0I-series, SIMPLEX-series
	Winch: Single Drum	FREE FALL HYDRAULIC-series
HENRIKSEN	Release gear: Fast rescue boat	offload HMK-series
	Release gear: Rescue boat	automatic HCH-series
HLB (EX, HYUNDAI LIFEBOATS) CO. LTD.	Release gear: Lifeboat on load lift not over center	TALON II-series
JIANGSU JIAOYAN	Fast Rescue Boat	single fall GJ4.5-series
	Davit: Free fall hydraulic / el secondary	JYF 75 A-series
	Release gear: Fast rescue boat offload / Manual or automatic	JXN-3-series
	Winch: Single Drum	JYRZ 23-series
JIANGSU JIAOYAN MARINE EQUIPMENT	Totally enclosed lifeboats	JY-FF-series
	Fast rescue boat	single fall JYR-23-series
	Winch: Single Drum	FREE FALL HYDRAULIC-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO.	Davit: Free fall secondary hydraulic A Frame	JYF55, FREE FALL DAVIT-series
	Davit: Single arm Slewing	JYR23, MOB DAVIT-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Release gear: Freefall hydraulic	FREEFALL-LIFEBOAT HOOK-series



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JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat	freefall JY-FN-series
	Davit: Free fall hydraulic / el secondary	JYF-series
	Davit: Single arm slewing	JYR-23-series
	Release gear: Fast rescue boat offload	JXN-3-series
	Release gear: Freefall Hydraulic / mechanical	JX-2-series
	Winch: Single Drum	FW-series
	Winch: Single Drum, hydraulic-lowering/hydraulic hoisting	FW-series
	Winch: Single drum Gravity lowering electric Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JYRZ-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboats	NPT-series
	Release gear: Fast rescue boat offload	NPT-series
JIANGYIN NORSAFE	Rescue boat	single fall MIDGET 500-series
	Totally enclosed lifeboats	GES 25-series
	Fast rescue boat	single fall MATRIX 450-series
	Davit: Free fall hydraulic / el secondary	HD-30 B-series, HD25/FREE FALL DAVIT-series
	Davit: Single arm slewing	HMD 21-series, NDSC-25 MOB/LIFERAFT DAVIT8-series
	Release gear: Rescue boat offload w. onload capability	K4-series
	Release gear: Freefall hydraulic	HYDRAULIC-series
	Winch: Single Drum	HYDRAULIC-series, ELECTRO-MECHANICAL-series
	Winch: Twin Drum	HYDRALIC WINCH-series
LSA SERVICE GMBH	Release gear: Rescue boat offload	H 2,1-series
MARE SAFETY	Fast rescue boat, single fall	GTC-series
MARITIME PARTNER	Fast rescue boat, single fall	WEEDO-series, SPRINGER-series
MJØSUND BÅT & HYDRAAULIK	Davit: Single arm slewing	MIDGET-series
	Winch: Single Drum	MV-series
N.A.	Release gear: Rescue boat offload	MECHANICAL OFF-LOAD HOOK-series
NADIRO	Release gear: Lifeboat on load lift over center	DIB-series
NANJING DONGSHENG MARINE EQUIPMENT CO LTD.	Davit: Free fall hydraulic / el secondary	YF55-series, YF- series
	Davit: Single arm slewing	QCC-series
	Winch: Single Drum	HYDRAULIC series, ELECTRO MECHANICAL-series
NDM	Winch: Single Drum	04-04 ES-series
NED DECK MARINE	Rescue Boat	single fall NDM-series



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	Davit: A-Frame hydraulic / single arm / telescopic	PRHE-series
	Davit: Single arm Slewing	04-03 E/QR-series
	Release gear: Davit launched life raft automatic	CAR-series, CAR 35-series
	Winch: Single Drum, hydraulic-lowering/hydraulic hoisting	04-03 E QR-series
NORMAR	Totally enclosed lifeboats	TELB-series
NORSAFE	Totally enclosed lifeboats	GES-series, JYN-series, MATHILDA-series, MIRIAM-series, MINIMA-series, MAXIMA-series
	Rescue boat	single fall MIDGET-series, MATRIX-series, MERLIN-series
	Fast rescue boat	single fall MAKO-series, MAGNUM-series, MAYA-series, MARATHON-series, MUNIN-series
	Davit: Hydraulic / el pivoting and luffing	E-series, LH-series, LHD-series, LHP-series
	Davit: A-Frame hydraulic / single arm / telescopic	A-series, NDA-series, NRB-series
	Davit: Gravity single and twin fall outrigger	C-series, D-series, NDC-series
	Davit: Free fall hydraulic / el secondary	HD-series, SW-series
	Davit: Single arm slewing	NDSC-series, NRC-series
	Release gear: Lifeboat on load lift not over center	TOR-series, TOR MK-series, K4-series
	Release gear: Freefall hydraulic	GES-series
	Release gear: Rescue boat offload	KD-series
NOVURANIA	Rescue boat	single fall INFLATABLE-series
ORIENTAL PRECISION	Winch: Single Drum	RDW-series
PALFINGER	Fast rescue boat	single fall FRSQ 700 A-series
	Release gear: Davit launched life raft automatic	CAR-series
	Release gear: Fast rescue boat offload	CAR-F-series
	Release gear: Rescue boat / Davit Launched Liferaft / Lift over centre automatic	CAR 35-series
PALFINGER NED-DECK	Release gear: Davit launched life raft automatic	CAR 35 L-series
	Winch: Single Drum	ELECTRO-MECHANICAL-series
PARKE	Release gear: Freefall hydraulic ON/OFF LOAD	PARKER-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboats	BH-series, JY-FN-6.0-series
	Rescue boat	single fall BH-R5-series
	Totally enclosed lifeboat	freefall BH-series
	Davit: Hydraulic / el pivoting and luffing	BD-PV-series
	Davit: Free fall secondary hydraulic A Frame	BD-FF-series
	Release gear: Freefall Hydraulic / mechanical	FREEFALL-series
	Release gear: Lifeboat on load lift not over center	BG-series
	Release gear: Freefall hydraulic	ON LOAD RELEASE HOOK-series
	Winch: Twin Drum	BW-H-series



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	Winch: Single Drum, hydraulic-lowering/hydraulic hoisting	HYDRAULIC series
SC CEE	Davit: Single arm slewing	HYDRAULIC series
	Winch: Single Drum	HYDRAULIC series
SCHAT DAVIT COMPANY	Davit: Gravity single and twin fall outrigger	FME-series
	Davit: Gravity Rollertrack	SPR-series
	Davit: Free fall hydraulic / el secondary	FF-series
	Davit: Gravity freefall primary	FF-series
	Davit: Single arm slewing SINGLE	ARM-series
	Winch: Twin Drum	BE-series
	Winch: Single Drum	FME-series, MANUAL-series
SCHAT HARDING	Release gear: Rescue boat offload w. onload capability	RRH-series
	Release gear: Rescue boat offload	SIMPLEX 2.0 I-series
	Release gear: Davit launched life raft automatic	ARH 23-series
SHANGHAI JIANGNAN BOATBUILDING CO. LTD.	Totally enclosed lifeboats	FREE FALL-series, JN-45-series, JN-63FC-series
	Rescue boat	single fall JN-45KR-series
	Davit: Free fall hydraulic / el secondary	FH55-series
	Davit: Single arm slewing	SAFC21-series
	Release gear: Rescue boat offload w. onload capability	ON LOAD-series
	Release gear: Freefall hydraulic	ON-LOAD HYDRAULIC-series
	Winch: Single Drum	ELECTRIC - HYDRAULIC-series, ELECTRO-MECHANICAL-series
SURVITEC	Release gear: Davit launched life raft automatic	SLA-series
	Release gear: Rescue boat offload	SC-series
SURVITEC GROUP	Release gear: Rescue boat automatic	SAFELAUNCH SLA 3.5-series
SURVITEC ZODIAC	Rescue boat	single fall RIBO-series
SURVIVAL CRAFT INSPECTORATE LTD.	Release gear: Lifeboat on load lift not over center	SAFELAUNCH-series
SURVIVAL SYSTEMS INTERNATIONAL	Totally enclosed lifeboat	SURVIVAL CAPSULE-series
TANNER	Release gear: Davit launched life raft automatic	IRB-series
TTS	Davit: A-Frame hydraulic / single arm / telescopic	HL-series
VANGUARD	Rescue boat	single fall VG-DRS-series, DR760-series
	Davit: Single arm slewing	ARL 23 / 4,5RL-series
	Release gear: Fast rescue boat offload	HK-series
	Winch: Single Drum	ARL 23 / 4,5RL-series



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VANGUARD (NANTONG) F.R.P CO. LTD.	Fast rescue boat	single fall VG4.0KR-series
	Release gear: Freefall hydraulic	SHF 70-series
VANGUARD F.R.P CO. LTD	Totally enclosed lifeboats	VG5.9FC-series
VEST DAVIT	Davit: A-Frame hydraulic / single arm / telescopic	PLR-series
	Winch: Single Drum	C-series
VIDER	Davit: Gravity Rollertrack	GRAVITY HINGED-series
	Winch: Twin Drum	PNEUMATIC-series
VIKING	Release gear: Rescue boat automatic	CAR-series
VIKING NADIRO	Release gear: Lifeboat on load lift over center	DIB-series
VIKING NORSAFE	Totally enclosed lifeboats	JYN-series
	Davit: Single arm slewing	NRC-series
	Davit: Hydraulic / el pivoting and luffing	E-series
	Release gear: Rescue boat automatic	RCH-series
WATERCRAFT HELLAS SA	Totally enclosed lifeboats	MKV-series
	Davit: Gravity Rollertrack	GRA-series
WUXI MINGZI MACHINERY	Release gear: Rescue boat automatic	AUTOMATIC RELEASE FOR RESCUE/LIFERAFTS-series
	Release gear: Davit launched life raft automatic	250-T25-series
WUXI XINGSHEN GEAR CASE FACTORY	Release gear: Rescue boat automatic	XS-series
	Release gear: Davit launched life raft automatic	XS 23-series, XS21-series
	Release gear: Rescue boat offload w. onload capability	XS 15-series
WUXI XINGSHENG	Release gear: Davit launched life raft automatic	XS 21-series
WUXI XINGSHENG	Release gear: Rescue boat / Davit Launched Liferaft / Lift over centre automatic	XS21-series
ZHENGJIANG DH MARINE EQUIPMENT	Winch: Twin Drum	DW-series
	Winch: Single Drum	DW-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboats	YH-series
	Rescue boat	single fall YH-series
	Davit: Free fall hydraulic / el secondary	FH-series
	Davit: Single arm slewing	SAF-series, SH-series, SAFC-series
	Release gear: Lifeboat on load lift not over center	ON-LOAD-series, HK-series
	Winch: Single Drum	HYDRAULIC-series, ELECTRIC-series



D. Chirulli

RINA Services Sp.A.





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