



Full compliance with SOLAS, Marpol 73/78 and other relevant maritime and industrial standards, E&P Forum and IAGC requirements.

SEISMIC SURVEY VESSEL ZEPHYR I

GENERAL

VESSEL SPECIFICATIONS



Name	Zephyr-1	Capacity Fuel/Fresh	765/205 t³
Type	Seismic Survey Vessel	Consumption Fuel/Water	13/10 m³ (transit/survey)/10 t
Built	1987, Szczecin, Poland	Fresh Water Maker	WY & Hatenoer 8 t/day +12 t/day
Last Upgrade	Singapore 2007	Main Engine	Zgoda - Sultzer 6ZL 40/48, 4230 BHP/3090 kW, 505 rpm
Port of registry/Flag	Korsakov/Russia	Auxiliary Engine	2 x Sulzer H.Cegielski 8AL20/242 x 750 BHP/548 kW, 750 rpm
Owner & Operation	JSC DMNG	Shaft Generator	1200 kW, 220 V 50 Hz
Classification	RMRS KM * UL	Diesel/Emerg. Generators	2 x 504 kW and 850 kW/92 kW
Call Sign	UAIV	Propeller	CPP PH 1150/4-R315, Ø 3000
MMSI/IMO	273387540/8408997	Bow Thruster	Zamech, 300 hp/220 kW
Gross/Net Tonnage	2833/850 t	Cranes:	
Length/Beam/Draft	81.85/14.8/ 5 m	- Front - PORT	1 x 6 m/500 kg
Cruising Speed	11.0 knot	- Rear & Tail Buoy Crane	12 m/3600 kg & 375 kg
Endurance/Navigation Area	60 days/Unlimited	Incinerator	hard/oil mud - 50/30 kg/hour
Accommodation	56 + Hospital		
Plan & Maintenance System	TM - Master V2		

COMMUNICATION & NAVIGATION

GMDSS Radio: - SSB/VHF	SAILOR 6222, SAILOR 6310, SAILOR H 1252, Samyung SRG- 2150 DN	Speed Log Weather Fax/Navtex	Furuno Doppler DS-80 Furuno 207 / Lo-Kata
- Emergency VSAT Iridium Inmarsat C Internal	3 x portable VHF Marlink Ku Bend Open Port SAILOR 6110 Intercom Ryabina UB-5P	Autopilot GPS Navigator Radar 1 ARPA, GPS Radar 2 ARPA, GPS Gyro/Echo Sounder	TS-75 1111M Furuno, GP-80 Furuno FAR 2835S Consilium SELUX ST-340 ARPA SG Brown Meridian/NEL-M3B

SAFETY & FIRE FIGHTING EQUIPMENT

SSOO	Sailor 6110 GMDSS System/SSAS/LRIT	Fire/Emergency pump	100/40 m ³ /hour
AIS	Furuno FA-100	CO ² System	ME, Paint store, Incinerator, Aux engine rooms
Video Monitoring	Stern	ME/Compr./Instr room	Water system, foam & CO ₂ fire extinguishers
Rescue Boat	MP-741 SPRINGER	Streamer room	Water sprinkle & foam systems
Survival Suits	66	Fire Extinguisher	40xCO ₂ , Foam: 34x9L, 1 x500L 1x50L, 4xDry powder
MOB Life Raft/ Line Thrower Life Rafts/Buoys	JON BUOY / Comet 4x25 men, 4x20 men & 1x6 men	Drainage system Medical Equipment	Main/Aux. pump 63/10m ³ Certified to ships medicine no.11
Life/Work Vests Fire Suits	125/22 3 with BA-sets	Compressor	Junior 225 bar

SEISMIC EQUIPMENT SPECIFICATION

RECORDING EQUIPMENT

	<i>On-Board Equipment</i>		<i>In-Sea Equipment</i>
Recording System	DigiSTREAMER	Streamer	DigiSTREAMER, gel
Recording Format	SEG-D, 32 bit IEEE, 8058	Streamer/Section Length	12000/150 m
Active/aux. channels	648/12	Group per section/Spacing	8/12.5 m
Seismic QC	eSQC-Pro for Linux	Type/No of Hydrophones	Teledyne T-2BXE/8
Recording device	external HD	Streamer Control	Digicourse SYS3, birds 5011E
Thermal Plotter	V24 iSys	Active Tailbuoy	TB 800L

NAVIGATION



Integrated Nav. System	2D Spectra, Concept	Inmarsat Corrections	POR, AOR, IOR-optional
Survey Company	Svarog(Fugro)	Interface program pack	Fugro MRDGPS
Primary Positioning	DGPS Starfix HP L1/L2 & RGPS	Navigation Processing	SeisPos & P1Tools
Secondary Positioning	Skyfix XP L1/L2 & RGPS	Gyrocompass	Meridian Standard
GPS receivers	StarPack	Echosounder	Simrad EA600

ENERGY SOURCE

QC PROCESSING



Type/No of arrays	Single Source/4	Server	2xDell PowerEdge R730
Air Guns Type/Volume	Bolt 1900LLXT/up to 6080 ³	Processor / Memory (RAM)/ Internal disk volume	2 x Xeon E5-2640v4 (2.4GHz, 10 cores)/ 192GB/48 TB
Gun Controller	GunLink2000, SeaMap	OS/Software	Linux /ProMax
Compressor	Cherko Joy WBF 74xYD Ariel JGJ/4 – 1600 SCFM	Thermal plotter	OYO 24"