



ZEPHYR-1



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

VESSEL SPECIFICATION

GENERAL

Name	Zephyr-1	Capacity Fuel/Fresh	765/205 t
Type	Seismic Survey Vessel	Consumption Fuel/Water	13/10 m ³ (transit/survey)/10 t
Built	1987, Szczecin, Poland	Fresh Water Maker	WY 12.5A, 8 t/day
Last Upgrade	Singapore 2007	Main Engine	Zgoda - Sultzer 6ZL 40/48, 4230 BHP/3090 kW, 505 rpm
Port of registry/Flag	Panama/Panama	Auxiliary Engine	2 x Sulzer H.Cegielski 8AL20/24 735 HP/548 kW, 750 rpm
Owner & Operation	JSC DMNG	Shaft Generator	DoIMel, GNB-136c/03, 1200
Classification	DnV 1A 1 ICE A1	Diesel/Emerg. Generators	2 x 504 kW and 850 kW/92 kW
Call Sign	3FXN4	Propeller	CPP PH 1150/4-R315, Ø 3000 mm
MMSI/IMO	354915000/8408997	Bow Thruster	Zamech, 300 hp/220 kW
Gross/Net Tonnage	2833/850 t	Cranes:	
Length/Beam/Draft	81.85/14.8/ 5 m	- Front STBD & PORT	2x6 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	60 + Hospital		
Plan & Maintenance System	TM - Master		

COMMUNICATION

NAVIGATION

GMDSS Radio:		Speed Log	Furuno Doppler DS-80
- SSB/VHF	SAILOR T2130, RM2150, RE2110/RT2048	Weather Fax/Navtex	Furuno 207 / Lo-Kata
- Emergency	3xHandheld VHF	Autopilot	TS-75 1111M
VSAT	TracPhone V7 mini-VSAT/4 Lines	GPS Navigator	Furuno, GP-80
Inmarsat B/C	Fleet 77/Thrane&Trane	Radar 1 ARPA, GPS	Furuno FAR 2835S
Internal	MARINEX, 60 units	Radar 2 ARPA, GPS	Kelvin Hughes 5000A
Public Access	Intercom Ryabina UB-5P	Gyro/Echo Sounder	SG Brown Meridian

SAFETY

SSAS	AMI SAS D+	Fire/Emergency pump	100/40 m ³ /hour
AIS	Furuno FA-100	CO² System	ME, Paint store, Incinerator, Aux engine rooms
Video Monitoring	Cameras-back mast, stern	ME/Compr./Instr room	Water system, foam & CO2 fire extinguishers
Rescue Boat	MP-741 SPRINGER	Streamer reel	Water sprinkle & foam systems
Survival Suits	66 Helly Hansen & 4 Viking	Fire Extinguisher	40xCO ² , Foam: 34x9L, x500L
MOB Life Raft/Line Thrower	JON BUOY/Comet		1x50L, 4xDry powder
Life Rafts/Buoys	12x12 men & 1x6 men/14	Drainage system	Main/Aux. pump 63/10m ³ ,
Life/Work Vests	125/22	Medical Equipment	Certified to ships medicine no.11
Fire Suits	3 with BA-sets		
Air compressor	Junior 225 bar		

SEISMIC EQUIPMENT SPECIFICATION

RECORDING EQUIPMENT

<i>On-Board Equipment</i>		<i>In-Sea Equipment</i>	
Recording System	DigiSTREAMER Rec System	Streamer Type	ION's DigiStREAMER
Recording Format	SEG-D,dmx 32 bit IEEE, 8058	Streamer/Section Length	8 100/100 m
Data/Aux. Channels	960/32	Group per section/Spacing	8/12.5m, linear no overlap
Real-Time QC	CentOS Linux ver. 4.8	Type/No. Hydrophones	Teledyne T-2BX style Export/8
Recording device	IBM 3592 E05 TD or HD	Streamer Control	DMU, DigiCourse, I/O, SYS-3
Thermal Plotter	V24 iSys	Active Tailbuoy	TBL 800L

NAVIGATION & POSITIONING

Real-Time Navigation	2D Spectra, Concept	Inmarsat Satellites	POR, AOR, IOR - selectable
Survey Company	Fugro	Interface program pack	Fugro MRDGPS
Primary Positioning	DGPS Starfix HP L1/L2 & RGPS	Nav Processing	SeisPos & P1Tools
Secondary Positioning	Skyfix XP L1/L2 & RGPS	Gyrocompass	SG Brown Meridian Standard
GPS receivers	2xStarPack & Trimble4000SI L1	Echosouder	NEL-M 3B

ENERGY SOURCE

QC PROCESSING

Type/No of Subarray	Single Source/4	Workstation	2xDell T5500
Air Guns/Volume	Bolt 1900LLXT/up to 5000in ³	OS	Red Hat Linux T5500
Gun Controller	GunLink2000, SeaMap	Software	ProMax
Compressor	Cherko Joy WBF 74xYD	Thermal Plotter	OYO GS-624



www.dmng.ru

Head Office: RUSSIA

426, PROSPECT MIRA,
YUZHNO-SAKHALINSK,
RUSSIA, 693004
TEL: +7 (4242) 737 618
FAX: +7 (4242) 726 832
E-Mail: secretary@dmng.ru

RUSSIA

128/9, PERVOMAYSKAYA st.,
MOSCOW,
RUSSIA, 105203
TEL: +7 (495) 965 9411
FAX: +7 (495) 730 5493
E-Mail: office@msk.dmng.ru

OSLO

Dronningensgate 6,
Oslo 0152, Norway
Mobile: +47 9011 1153
TEL: +47 2291 0615
FAX: +47 2291 0601
E-Mail: dmng@online.no