

Worldwide Seismic Vessel Survey

Vessel name	Year rigged or converted	Total length (m)	Total beam (m)	Streamer configuration (# streamers x # channels)	Vessel availability (Yes, No, or Exclusive contract)	Primary region	Source array configuration as rigged (# arrays x capacity in cu in.)	Maximum towable footprint (# cables x length (m) x width (m))
<b>BGP, 5th Floor, Building E5C West, 3rd Street, TEDA, Tainjin 300457, P.R.China</b>								
BGP Challenger	2009	55	13.8	1 x 1,200	Yes	AF, MID E, FAR E		1 x 9,000
BGP Explorer	2010	64	16				1 x 5,200 2 x 3,480	
BGP Pioneer	2006	83.7	19.5	6 x 640	Yes	AF, MID E, FAR E		6 x 8,000
BGP Prospector	2011	100	24	2 x 960			2 x 5,620	
Dong Fang Kan Tan No. 2 (BGP Researcher)	2007	65.8	13.8	1 x 1,200	Yes	AF, MID E, FAR E	1 x 3,000	
<b>Caspian Services Group Limited, Office Building B, 7th Acreage, The Esplanade, Microdistrict 15, Aktau 13000, Kazakhstan</b>								
Caspian Galiya	2007	12.5	4.5		Yes	Caspian		OBC Cable
Coastal Bigfoot	2007	12.5	4.5		Yes	Caspian		OBC Cable
<b>CGG, 27 avenue Carnot, 91341 Massy Cedex, France</b>								
Oceanic Vega	2010	106	28	20 x 640	Yes	Worldwide	2 x 5000	20 x 8000 x 100
Oceanic Sirius	2011	106	28	20 x 640	Yes	Worldwide	2 x 5000	20 x 8000 x 100
Alize	1999	101	29	16 x 640	Yes	Worldwide	2 x 5000	16 x 8000
Amadeus	1999	84	19	8 x 640	Yes	Worldwide	2 x 5000	8 x 8000 x 100
Princess	2001	76	14	3 x 560	Yes	Worldwide	2 x 5000	3 x 6000 x 100
Symphony	2000	121	23	12 x 640	Yes	Worldwide	2 x 5000	12 x 8000 x 100
Venturer	2007	90	15	4 x 640	Yes	Worldwide	2 x 5000	4 x 8000 x 100
Viking	1998	93	22	10 x 640	Yes	Worldwide	2 x 5000	14 x 8000 x 100
Viking II	1999	93	22	8 x 640	Yes	Worldwide	2 x 5000	8 x 8000 x 100
Viking Vanquish	2007	93	22	12 x 640	Yes	Worldwide	2 x 5000	12 x 8000 x 100
Veritas Vantage	2002	93	22	10 x 640	Yes	Worldwide	2 x 5000	10 x 8000 x 100
Viking Vision	2007	105	26	14 x 640	Yes	Worldwide	2 x 5000	14 x 8000 x 100
Bergen Surveyor	1997/ 2006	67	15	2 x 560	Yes	Worldwide	2 x 5000	2 x 6000 x 100
Geowave Champion	2007	106	22	14 x 640	Yes	Worldwide	2 x 5000	14 x 8000 x 100
Geowave Voyager	2008	93	22	10 x 640	Yes	Worldwide	2 x 5000	10 x 8000 x 100
Oceanic Endeavour	2008	107	27	16 x 640	Yes	Worldwide	2 x 5000	16 x 8000 x 100
Challenger	2006	90	19	12 x 640	Yes	Worldwide	2 x 5000	12 x 8000 x 100
Oceanic Phoenix	2011	114	25	14 x 640	Yes	Worldwide	2 x 5000	14 x 8000 x 100
Pacific Finder	2011	68	17	4 x 640	Yes	Worldwide	2 x 5000	4 x 8000 x 100
Geo Coral	2010	108	28	16 x 640	Yes	Worldwide	2 x 5000	16 x 8000 x 100
Geo Caspian	2010	108	28	16 x 640	Yes	Worldwide	2 x 5000	16 x 8000 x 100
Geo Caribbean	2008	101	28	14 x 640	Yes	Worldwide	2 x 5000	14 x 8000 x 100
Geo Celtic	2006	101	28	12 x 640	Yes	Worldwide	2 x 5000	12 x 8000 x 100
Geo Atlantic	2006	121	22	10 x 640	Yes	Worldwide	2 x 5000	10 x 8000 x 100
Geo Barents	2007	77	21	8 x 640	Yes	Worldwide	2 x 5000	8 x 8000 x 100
<b>China Oilfield Services, Ltd., No.6 Dongzhimenwai Xiaojie Beijing 100027 P.R.C</b>								
Bin Hai 511	1979	81	13.4	3 x 360	Yes	China, Asia, CIS	2 x 2,490	
Bin Hai 512	1979	79	13.4	4 x 360	Yes	China, Asia, CIS	2 x 3,000	
Bin Hai 517	1997	60	15	2 x 480	Yes	China, Asia, CIS	4,075	
HYSY 718	2005	78	18	6 x 480	Yes	China, Asia, CIS	2 x 3100	
HYSY 719	2008	80	18	8 x 480			2 x 4,110	
Dong Fang Ming Zhu	1994	79	16.5	4 x 480			2 x 3,185	
Nan Hai 502	1980	66	11	2 x 360	Yes	China, Asia, CIS	3,660	
HYSY 708	2013							
HYSY 720	2013							
<b>DalmineoTegeophysica (DMNG), 426, Mira Ave., Yuzhno-Sakhalinsk, 693004, Russia</b>								
Akademik Fersman	2007	81.5	14.8	SEAL 1 x 960	Contact	SE Asia / Worldwide	4 x 5,000	1 x 1,100
Orient Explorer	2011	81.8	14.8	4 x 1,440	Contact	SE Asia / Worldwide	6 x 2,920	4 x 6,000 x 150
Zephyr-I	2007	81.8	14.8	SEAL 1 x 960	Contact	SE Asia / Worldwide	4 strings 2,940 higher on request	1 x 11,100
<b>FairfieldNodal, 1111 Gillingham, Sugar Land, Texas 77478, USA</b>								
Fairfield New Venture	2004	76	18	Shooting Vessel	Yes	GoM	5,330 dual	
Fairfield Challenger	2005	67	14	Shooting Vessel	Yes	GoM	5,330 dual	
Fairfield Pursuit	2011	59	14	Shooting Vessel	Yes	GoM	5,330 dual	
Carolyn Chouest	2010	73	16	Node Handling Vessel	Yes	GoM	Node Vessel	1200 Nodes
C-Pacer	2011	80	18	Node Handling Vessel	Yes	GoM	Node Vessel	2400 Nodes
European Supporter	2012	95	18	Node & Shooting vessel	Yes	GoM	5,330 dual	3000 Nodes
Damon Chouest	2012	73	18	Node & Shooting vessel	Yes	GoM	3000 Single	300 Nodes
Fugro Odyssey	2003 (rebuilt)	39.9	7.6	1x Sercel Sentinel up to 1,5Km (120 ch)	Yes	Brasil	4x40 cu inch sleeve gun cluster or single 210 cu inch GIGun	N/A
Fugro Brasilis	2012	65.65	14	1x Sercel Sentinel up to 1,5Km (120 ch)	Jun-12	Brasil	4x40 cu inch sleeve gun cluster or single 210 cu inch GIGun	N/A



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<b>Fugro GeoServices, 200 Dulles Blvd., Lafayette, Louisiana USA</b>								
Fugro Enterprise	2007	52	12	1 x 48, 1 x 96	Yes	GoM	90-300 GI Guns	
Geodetic Surveyor	1985	37	9	1 x 48, 1 x 96	Yes	GoM	90-300 GI Guns	
Universal Surveyor	1980	37	9	1 x 48, 1 x 96	Yes	GoM	90-300 GI Guns	
<b>Fugro OSAE GmbH, Fahrenheitstrasse 7, 28359 Bremen, Germany</b>								
Fugro Gauss	1980/2007	69	13	(Mobile)	Yes	Atlantic	(Mobile)	(Mobile)
<b>Fugro Survey Ltd., Denmore Rd, Bridge of Don, Aberdeen AB23 8JW, UK</b>								
Fugro Galaxy	2011	65.2	14	1 x 144	Yes	NWECS	140	
Fugro Meridian	1982/1997	72.5	13.8	1 x 240	Yes	NWECS	140/1,000	
Geo Prospector	1970/1997	72.6	11.8	1 x 120	Yes	EAME	140	
Fugro Discovery	1997/2007	70	12.6	1 x 120	Yes	NWECS	140	
Fugro Searcher	2010	65.2	14	1 x 240	Yes	NWECS	140/1,000	
<b>Fugro Survey Africa (Pty) Ltd, Unit 24 Woodbridge Business Park, 7441 Milnerton, Cape Town, South Africa</b>								
Geo Endeavour	1985/1998	45.7	10	1 x 48	Yes	Subsaharan Africa	1 x 90, 1 x 150	
<b>Fugro SAE, 17 Port Said St., Maadi, Cairo, Egypt</b>								
Fugro Navigator	1988/2009	54	11	1 x 120	Mid-2013	Med	1 array, 140 cu in	
<b>Fugro Survey Pte Ltd, 35 Loyang Crescent, Singapore 509012</b>								
Fugro Equator	2012	65	14	1 x 240	41579	Far East	Mini G 4 x 40 / 4 x 20	
Fugro Equinox	2011	60	16	1 x 120	41365	Far East	Sleeve 4 x 40 / 4 x 20	
Amarco Tiger	1975 / 2008	53	11.5	1 x 120	Yes	Far East	Sleeve 4 x 40 / 4 x 20	
Fugro Supporter	1994 / 2013	75.4	12.5	(Mobile)	Yes	Far East	(Mobile)	(Mobile)
<b>Fugro Survey (India) Pvt. Ltd., Fugro House, D-222/30, T.T.C. Industrial Area, M.I.D.C., Nerul, Navi Mumbai - 400 706, Maharashtra, INDIA Tel : +91 22 27629500 Fax : +91 22 2762 9140</b>								
Flamboyan	1983 / 2010	39	9.5	As required	Yes	India	As required	
<b>Gardline, Endeavour House, Admiralty Rd., Great Yarmouth, Norfolk NR30 3NG UK</b>								
Sea Explorer	1993/1994/2004	58.8	11	1 x 120	Yes	Worldwide	2 x 160	
Ocean Endeavour	2004	64.4	11.4	1 x 120	Yes	Worldwide		
Sea Profiler	1992	65.7	11	1 x 120	Yes	Worldwide	2 x 160	
Sea Surveyor	1998/1999	64.4	11.4	1 x 480	Yes	Worldwide	1 x 160 up to 1,950	
Sea Trident	1984/1991/2006	57.9	10.2	1 x 120	Yes	Worldwide	2 x 160	
Ocean Seeker	1970/2000	80.7	13	1 x 120	Yes	Worldwide	1 x 160	
L'Espoir	1971/1996	67.5	10.6	1 x 120	Yes	Worldwide	1 x 160	
Tridens 1	1984/1991	57.9	10.2	1 x 120	Yes	Worldwide	1 x 160	
<b>Global Geophysical Services, 13927 S. Gessner Rd., Missouri City, TX 77489 USA</b>								
James H. Scott	2005	70 ft	22 ft		Yes	GOM, International	4 x 750 cu in.	Source
Global Longhorn	2007	93.9 ft	26 ft		Yes	GOM, International		Accommodation
Global Mirage	2008	65 ft	21 ft		Yes	India, International	2 x 750 cu in	Source
Global Vision	2007	65 ft	21 ft		Yes	India, International		OBC Cable
Global Quest	2007	65 ft	18 ft		Yes	India, International		OBC Cable
Lori B	2007	48 ft	20 ft		Yes	GOM		OBC Cable
Tiny Tune	2005	38 ft	12 ft		Yes	USA		Source
Kiwi I	2007	54 ft	16 ft		Yes	GOM		OBC Cable
Kiwi II	2007	49 ft	13.8 ft		Yes	GOM		OBC Cable
Kiwi III	2008	47 ft	16.4 ft		Yes	GOM		OBC Cable
Cobourg	2008	52.5 ft	17.4 ft		Yes	India, International		OBC Cable
<b>Marine Arctic Geological Expedition (MAGE)</b>								
Geolog Dmitry Nalivkin	1985	71.7	12.8	1 x 648	Contract	Arctic, Northern seas	1 x 3,410	1 x 8,100
Professor Kurentsov	1976	68.9	12.4	1 x 648	Contract	Arctic, Northern seas		1 x 8,100
<b>NAUTIC Offshore AS, Dronningen 1, 0211 Oslo, Norway</b>								
Neptune NAIAD	2008	66.3	14.2	4 x 2,560	Yes	Worldwide	2x 4,000	4 x 6,000 x 100
<b>Offshore Seismic Surveys, OSS, 13430 NW Freeway, Suite 800, Houston TX 77040</b>								
OSS Gulf Supplier		56.4	11.6	3 x 240	Yes	South America	2 x 1,500	3 x 3,000 x 200
<b>OGS Italy, Borgo Grotta Gigante 42c, P.O. Box 2011, 34016 Trieste, Italy</b>								
OGS Explora	8	71.9	12.8	1 x 96		Worldwide inc. Antarctic	2 x 355	
<b>Orogenic GeoExpro, Loyang Crescent, Loyang Offshore Supply Base, Block 217, SOPS Avenue, Box No. 5043, Singapore 508988</b>								
Genesis	1995/2006	52	11	1 x 120 Channel	TBA	Asia Pacific	Single GI Gun 90/150/210 cu.inch	N/A

Acquisition capability			Technical capability					Onboard processing			Final primary recording media (type or cartridge #)	Satellite transmission to shore (company used and transmission speed (baud ))			
			2D	3D	4C/4D	Shallow transition zone	Deepwater	High density	Ocean bottom cable	Variable depth			Nav data	Seismic	
														QC data	Full data
x			x	x	x				x	x		Hard Drive	V-Sat		
x			x	x	x				x	x		Hard Drive	V-Sat		
x			x	x	x				x	x		Hard Drive	V-Sat		
x				x	x				x	x	x	(Mobile)	TBA		
x				x	x				x	x	x	LT04	Marlink		
x				x	x				x	x	x	LT04	Marlink		
x				x	x				x	x	x	LT04	Marlink		
x				x	x				x	x	x	LT04	Marlink		
x				x	x				x	x	x	LT04	Marlink		
x			x	x					x	x					
x			x	x	x				x	x	x	Hard Disk			
X			X	X	X				X	X	X	3490E	VSAT 256 Kbit		
X			X	X	X				X	X	X	3490E	VSAT 128 Kbit		
X			X	X	X				X	X	X	3490E	TBA		
X			X	X	X				X	X	X	(Mobile)	VSAT 256 Kbit		
x			x						x	x		DLT	FB		
x	x		>10m	x	x				x	x	x	3490E	VSAT (256)		
x	x														
x			>10m	x	x				x	x	x	3490E	VSAT (256)		
x	x		>10m	x	x				x	x	x	3490E	VSAT (256)		
x			>10m	x	x				x	x	x	3490E	VSAT (128)		
x			>10m	x	x				x	x	x	3490E	VSAT (256)		
x			>10m	x	x				x	x	x	3490E	VSAT (128)		
x			>10m	x	x				x	x	x	3490E	Gardline 64k		
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x	x	x	x		x	x			x	x					
x			x	x					x	x	x	3590, 3592	Iridium Open port Skansat CT TF-3020C		
x			x	x					x	x	x	3590, 3592	Inmarsat-C Skanti "Scansat CT" Inmarsat Mini-M SP 2000M Inmarsat Fleet-77 "Thrane and Thrane AS"		
x	x	x		x	x				x	x	x	3590, EHD, USB	VSAT		
x	x		x	x								3590	V-SAT		
x			x	x			x		x	x		3490E	64k		
x									x	x	x	3590	VSAT		

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<b>PGS Strandveien 4, 1326 Lysaker Norway</b>								
Atlantic Explorer	1994	91.5	18	6 x 480	Yes	Worldwide	2 x 4,130	3.6 sq km
Nordic Explorer	1993	81.1	16.5	1 x 804	Yes	Worldwide	2 x 4,130	
Pacific Explorer	1994	91.4	22	6 x 564	Yes	Worldwide	2 x 4,130	3.5 sq km
Ramform Challenger	1996	86.2	39.6	14 x 564	Yes	Worldwide	2 x 4,135	6.35 sq km
Ramform Explorer	1995	83	39.6	10 x 564	Yes	Worldwide	2 x 4,130	6.35 sq km
Ramform Valiant	1998	86.2	39.6	16 x 648	Yes	Worldwide	2 x 4,130	8.9 sq km
Ramform Vanguard	1999	86.2	39.6	16 x 648	Yes	Worldwide	2 x 4,130	8.9 sq km
Ramform Viking	1998	86.2	39.6	16 x 648	Yes	Worldwide	2 x 4,130	8.9 sq km
Ramform Sovereign	2008	102.2	40	18 x 648	Yes	Worldwide	2 x 4,130	10.9 sq km
Ramform Sterling	2009	102.2	40	18 x 648	Yes	Worldwide	2 x 4,130	10.9 sq km
PGS Apollo	2010	106.8	19.2	10 x 648	Yes	Worldwide	2 x 4,135	8.1 sq km
Sanco Spirit	2011	86	16	1 x 804	Yes	Worldwide	2 x 4135	
Ramform Titan	2013	104.2	70	20 x 648	Q2	Worldwide	2 x 4135	12.2 sq km
Ramform Atlas	2013	104.2	70	20 x 648	Q4	Worldwide	2 x 4135	12.2 sq km
<b>Polarcus, Almas Tower, Level 32, Jumeirah Lakes Towers, P.O. Box 283373, Dubai, U.A.E.</b>								
Polarcus Nadia	2009	89	19	10 x 648	Yes	Worldwide	2 x 4240	10 x 8100 x 100
Polarcus Naila	2010	89	19	10 x 648	Yes	Worldwide	2 x 4240	10 x 8100 x 100
Polarcus Asima	2010	92	21	12 x 648	Yes	Worldwide	2 x 4240	12 x 8100 x 100
Polarcus Alima	2011	92	21	12 x 648	Yes	Worldwide	2 x 4240	12 x 8100 x 100
Polarcus Amani	2012	92	21	14 x 648	Yes	Worldwide	2 x 4240	14 x 8100 x 100
Polarcus Adira	2012	92	21	14 x 648	Yes	Worldwide	2 x 4240	14 x 8100 x 100
<b>REFLECT Geophysical Pte. Ltd., 8 Temasek Boulevard #04-02, Suntec Tower Three, Singapore 038988</b>								
Geowave Commander	1998/2006	93.5m	16.5m	4 x 640	Yes	Worldwide	2x 3,450	6 x 8,000 x 100
Reflect Scorpio	1982/2007	64.4	18.5	4 x 480	Yes	Worldwide	2x 3,500	4 x 6,000 x 100
<b>RXT Reservoir Exploration Technologies Lysaker Torg 5 A, PO Box 104, 1325 Lysaker, Norway</b>								
Ark Phil	2007	70	16.8	cable vessel				
Beulah Chouest	1982/1996	60	14	980 channels	Yes	Worldwide	3 x 1,340	6 x 6,000
Bourbon	2004	64	17	cable vessel	Yes	Worldwide		6 x 6,000
Ocean Pearl	2001	108.6	18		Yes	Worldwide	2 x 3,990	12 x 6,000
Sanco Star	2008			(combined source/cable vessel)	Yes	Worldwide		
Ramco Express	2003	58	12.5					2 x 6,000
Sara Maatje IX	1994				Yes	Worldwide		8 6-km VSO cables
<b>Sea Bird Exploration Nedre Vollgate 3, P.O. Box 1302, Vika 0112 Oslo, Norway</b>								
Aquila Explorer	2007	71	17.5	1 x 960	PGS	Worldwide	2 x 5,000	
Harrier Explorer	2007	81	18.3	Source	PGS	Worldwide		
Hawk Explorer	2006	66	14.5	1 x 960	Fugro Geoteam	Worldwide	1 x 4400	
Munen Explorer	2007	60	14	1 x 960	Yes	Worldwide	2 x 5,000	
Northern Explorer	1987/1998/2004	76	14	1 x 960	Yes	Worldwide	X 5,000 Bolt	
Osprey Explorer	2006	81	16	Source	Yes	Worldwide	2 X 5000 (client selectable)	
Voyager Explorer		68	16				2	
Geo Pacific	2003	82	20	8 x 480			6 x 8,999	
<b>Sevmornneftegeofizika (SMNG), 17, Karl Marx St., 183025 Murmansk, Russia</b>								
Akademik Lazarev	1987/96	81.8	14.8	1 x 960	Yes	Worldwide	4 x 4,200	1 x 12,000
Akademik Nemchinov	1988/97	84	14.8	4 x 480	Yes	Worldwide	6 x 7,874	4 x 6,000 x 100
Akademik Shatskiy	1986/91	83.5	14.8	1 x 960	Yes	Worldwide	6 x 6,444	2 x 6,000 x 100
Geo Arctic	1988/97	84	14.8	1 x 960	Yes	Worldwide	4 x 4,820	1 x 12,000
Iskatel - 5	1989/97	49.2	18.2	1 x 480	Yes	Worldwide	4 x 3,000	1 x 6,000
Professor Rjabinkin	1989/1995/2007	49.9	10.5	2 x 800	Yes	Worldwide	2 x 2,280	1 x 6,000
Vyacheslav Tikhonov	2011	84.2	17	8 x 480	Yes	Worldwide	6 x 4,240	6 x 8,100 x 150
<b>Shanghai Offshore Petroleum Bureau SINOPEC, 1225 Shangcheng Road Pu Dong, Shanghai China</b>								
Discoverer	1980	72	16.4	2 x 480	yes	worldwide	2 x 3480	2 x 6000
Discoverer 2	1993	70.1	17.98	3 x 480	yes	worldwide	2 x 3480	3 x 6000
Discoverer 6	2013	100	24	12 x 640	yes	worldwide	2 x 5800	12 x 8000

