

COUNTRY / VESSEL NAME	OPERATOR	SYSTEM	INSTALL YR
<b>ARGENTINA</b>			
CAPITANO OCA BALDA	NATIONAL INSTITUTE OF FISHERIES RESEARCH (INIDEP)	SIMRAD EM-1002	2004
<b>AUSTRALIA:</b>			
CASUARINI (Leeuwin Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1997
COOK (retired, disposed of)	ROYAL AUSTRALIAN NAVY	SEABEAM	1965 (retired)
DUYFKIN (Melville Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1998
FANTOME (Leeuwin Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1997
GEOGRAPH (Melville Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1998
JOHN GOWLAND (School: Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-100	1998
INVESTIGATOR (Leeuwin Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1997
LEEUWIN	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-100	1997
MELVILLE	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-100	1998
MEDA (Melville Survey Launch)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1998
TOM THUMB (RAN School Ship)	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-200	1998
"Reserve"	ROYAL AUSTRALIAN NAVY	ATLAS FANSWEEP-20-100 (2 systems)	1997, 1998
	ROYAL AUSTRALIAN NAVY	RESON SEABAT	
	DEPARTMENT OF ENVIRONMENT AND CONSERVATION	GEOSWATH	
	FLINDERS PORTS - SOUTH AUSTRALIA	GEOSWATH	
	FREMANTLE PORT AUTHORITY	RESON SEABAT	
	FUGRO SURVEY PTY. LTD	RESON SEABAT	
	JAMES COOK UNIVERSITY	RESON SEABAT 8101	1999
	PORTS CORP - SOUTH AUSTRALIA	GEOSWATH	
	RACAL-AUSTRALIA	RESON SEABAT 9003-350	
	SEISMIC ASIA PACIFIC	SEABEAM 1055 Dual frequency	uprade 2000
	3D MAPPING	GEOSWATH	
	WOODSIDE PETROLEUM	ATLAS FANSWEEP-10	1993
<b>AUSTRIA:</b>			
ALPHA	DANUBE OPERATION AUTHORITY-VIENNA	ATLAS FANSWEEP-20-200	1996
KREMS	B.M. FUR VERKEHR SCHIFFFAHRTSBEHORDE	SIMRAD EM-3000 (DUAL)	1996
WIEN 3	DANUBE OPERATION AUTHORITY-VIENNA	ATLAS FANSWEEP-20	1996
WIEN 4	DANUBE OPERATION AUTHORITY-VIENNA	ATLAS FANSWEEP-20	1996
<b>BANGLADESH</b>			
	OCCIDENTAL PETROLEUM OF BANGLADESH	RESON SEABAT	
<b>BELGIUM:</b>			
BELGICA	BELGIAN MATHEMATICAL MODEL OF THE NORTH SEA	SIMRAD EM-1002 (retractable hull unit)	1999
JACQUELINE	SILT-ZEEBRUGGE	ATLAS FANSWEEP-20-100	1996
OOSTEND XI	SILT-ZEEBRUGGE	ATLAS FANSWEEP-20-100	1996

PAREL II	DIVISION COAST - HYDROGRAPHIC OFFICE	SIMRAD-EM-3000D	2001
TER STREEP	DIVISION COAST - HYDROGRAPHIC OFFICE	SIMRAD EM-950	1994
VEREMANS	DIVISION COAST - HYDROGRAPHIC OFFICE	SIMRAD EM-950	1996
	DREDGING INTERNATIONAL	RESON SEABAT	
	JAN DE NUL DREDGING	SIMRAD EM-3002 (6 systems)	2003, 2006
<b>BRAZIL:</b>			
TAURUS	BRAZILIAN NAVAL HYDROGRAPHIC OFFICE	SIMRAD EM-1000	1998
	BANDEIRANTES DRAGAGEM E CONTRUCAO LTDA	RESON SEABAT	
	BRAZILIAN NAVY	RESON SEABAT 9001-350	
	FONSECA ALMEIDA REPR. CO. LTDA.	RESON SEABAT	
	HERMASA NAVIGACAO DE AMAZONIA	RESON SEABAT	
	HIDROCART CARTOGRAFIA LTDA.	RESON SEABAT	
<b>BRUNEI</b>			
	BRUNEI SHELL PETROLEUM COMPANY SDN BHD	RESON SEABAT	
<b>CANADA:</b>			
AMUNDSEN (ex-CCCS J Franklin -Icebreaker)	CANADIAN ARCTIC SHELF EXCHANGE STUDY (CASES)	SIMRAD EM-300 1° X 2°	2004
FREDERICK G. CREED	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-1000	1991
DOLPHIN (ROBV)	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-1000	1990
FUGRO JACQUES	FUGRO	RESON SEABAT 8101	
GC 03 (SWEEP SYSTEM)	CANADIAN HYDROGRAPHIC SERVICE	NAVITRONICS MCS-1, DPP-1B	1980
GUILLEMOT	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-300S	2002
LOUIS M. LAUZIER	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-100	1989
MATTHEW	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-100, EM-1002, EM-710	1990, 2003, 2005
PETREL	CANADIAN CENTRE OF INLAND WATERS	SIMRAD EM-3000	1995
ANNE S. PIERCE	SEAMAP GEOSURVEYS INC	SIMRAD EM-1002 (w/hull unit)	1999
PIPIT	BEDFORD INSTITUTE OF OCEANOLOGY	SIMRAD EM-3000	1995
PLOVER	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-3000	1995
PUFFIN	INSTITUTE OF OCEAN SCIENCE	SIMRAD EM-3000	1995
REVISOR	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-3000	1997
SMITH (SWATH/SWEEP SYSTEM)	CANADIAN HYDROGRAPHIC SERVICE	NAVITRONICS (210 kHz)	
R.B.YOUNG	CANADIAN HYDROGRAPHIC SERVICE	SIMRAD EM-1002 (with hull unit)	1999
	CANADIAN COAST GUARD	SIMRAD EM-3000	2002
	DEFENCE RESEARCH ESTABLISHMENT-ATLANTIC (DREA)	RESON SEABAT 8125	2002
	ST. LAWRENCE SEAWAY AUTHORITY	RESON SEABAT	
<b>CHILE:</b>			
CABRALES	CHILEAN NAVY	ATLAS HYDROSWEET MD-2, FANSWEEP-20-200	1999
	DESMAR LTD	RESON SEABAT 8125	
<b>CHINA:</b>			

DAYANG YI HAO	CHINA OCEAN MINERAL AND DEVELOPMENT AGENCY	SEABEAM 2112.360, SEABEAM 3012 (upgrade)	1995, 2002
FEN DOU 4	MINISTRY OF GEOLOGY-GUANGZHOU	SIMRAD EM-3000, EM-950	1997
HAI-YANG 4	MINISTRY OF GEOLOGY	SEABEAM 2112	1995
HAE-YANG 2000	MINISTRY OF TRANSPORTATION	SEABEAM 2112.360 (12/36 kHz)	1998
HC-1007	CHINA MARITIME SAFETY ADMINISTRATION-SHANGHAI	ATLAS FANSWEEP-20-200	2001
HUBAOYU 2378	SHANGHAI WATERWAY BUREAU-CMSA	ATLAS FANSWEEP-20-200	1999
HYDRO 2	HONG KONG MARINE DEPARTMENT	SIMRAD EM-3000	1997
KC-2	CHINESE NAVY - ZHAN ZIANG	ATLAS FANSWEEP-20-200	2002
XIANG YANG HONG 14	STATE OCEANOGRAPHIC ADMIN.(SOA)-S CHINA SEA BRANCH	RESON SEABAT 8150	2004
"SURVEY VESSEL"	SHANGHAI PORT AUTHORITY	ATLAS FANSWEEP-10	1993
	BOHAI OIL COMPANY	TRITON-ELICS HYDROSUITE	2001
	BUREAU OF YANGTZE RIVER HYDROLOGY	RESON SEABAT 9001S	1998
"DREDGER"	CHANGJIANG WATERWAY BUREAU - WUHAN	ATLAS FANSWEEP 20-200	2004
	DONGHAI BRANCH	GEOSWATH	
	EGS SURVEY COMPANY-HONG KONG	ELAC BCC II-180 kHz (3 sys)	1994, 1996, 1997
	EGS SURVEY COMPANY-HONG KONG	SEABEAM 1050 D (DUAL FREQ-upgrade)	1999
	EGS SURVEY COMPANY-HONG KONG	SEABEAM 1180	2000
	FIRST INSTITUTE OF OCEANOGRAPHY	SIMRAD EM-3000, EM-950	1997
	FUZHOU DREDGING	GEOSWATH	
	HARBIN SHIPBUILDING INSTITUTE	RESON SEABAT	
	HONG KONG CIVIL ENGINEERING (HYDROGRAPHIC DEPT)	ODOM ECHOSCAN	2000
	HONG KONG MARINE DEPARTMENT	RESON SEABAT 9001S-350	
	HONG KONG POLYTECHNIC UNIVERSITY	SEABEAM 1185	2000
	INSTITUTE OF GEOPHYS. & GEOCHEM. EXPLOR.-HONG KONG	ELAC SEABEAM 1180	2002
	INSTITUTE OF OCEANOLOGY-CHINESE ACAD. SCIENCE	RESON SEABAT	
	LAUREL INDUSTRIAL COMPANY, BEIJING	RESON SEABAT 8125	2002
	JIANGSU HYDROGRAPHY INSTITUTE	GEOSWATH	
	JIANXI INSTITUTE OF WATER RESOURCES-JUIJIANG PORT	RESON 8101	2000
	MINISTRY OF GEOLOGY-QIANGDAO	SIMRAD EM-3000, EM-950	1998
	MINISTRY OF GEOLOGY-SHANGHAI	SIMRAD EM-3000, EM-950	1997
	NATIONAL MARITIME ENVIRONMENTAL MONITORING CENTER	GEOSWATH	
	NATIONAL OCEAN TECHNOLOGY CENTRE	SIMRAD EM-120 (1° X 1°)	2002
	OCEAN UNIVERSITY-QINGDAO	SEABEAM 1050	2002
	SECOND INSTITUTE OF OCEANOGRAPHY, HANGZHOU	SEABEAM 1050 D ( DUAL FREQ)	1998
	SHANGHAI WATERWAY BUREAU-CMSA	ATLAS FANSWEEP-20	2000
	STATE OCEANIC ADMINISTRATION-NORTH CHINA SEA BRANCH	SIMRAD EM-1002	2002
	STATE OCEANIC ADMINISTRATION - SECOND INSTITUTE	RESON SEABAT 8101	2000
	SOUTH CHINA SEA INSTITUTE OF OCEANOLOGY	RESON SEABAT	
	THIRD INSTITUTE OF OCEANOGRAPHY, XIAMEN	SEABEAM 1180 (DUAL)	1999
	THIRD NAVIGATION ENGINEERING COMPANY-SHANGHAI	ATLAS FANSWEEP 15 (2 systems)	2001
	TIANJIN DREDGING	GEOSWATH	
	YANGTZE ESTUARY WATERWAY CONSTRUCTION-SHANGHAI	GEOSWATH	
	YELLOW RIVER HYDROELECTRIC BUREAU	GEOSWATH	

\*\*SEABEAM 1180/II and ELAC BCC /II-180 KHz are identical

<b>COLOMBIA</b>			
PROVIDENCIA	COLOMBIAN NAVY	ATLAS HYDROSWEEP MD-2 / 30 kHz	2003
QUINDIO	COLOMBIAN NAVY	ATLAS FANSWEEP 20-200	2003
<b>CROATIA</b>			
	BRODARSKI INSTITUT	RESON SEABAT	
<b>DENMARK:</b>			
DIGI	EIVA A/S	RESON SEABAT 8101-210	
EKKO	EIVA A/S	RESON SEABAT 8101-210	
GRIBBEN	ROYAL DANISH ADMIN OF NAVIG. & HYDROGRAPHY	ELAC BCC-180 kHz	1992
MARIDAN 600 AUV	MARIDAN SURVEY A/S	RESON SEABAT 8125	2001
SKA 15 SURVEY VESSEL	ROYAL DANISH ADMIN OF NAVIG. & HYDROGRAPHY	SEABEAM 1180 (upgrade)	1999
SKA 16 SURVEY VESSEL	ROYAL DANISH ADMIN OF NAVIG. & HYDROGRAPHY	SEABEAM 1180 (upgrade)	1999
	COPENHAGEN HARBOR AUTHORITY	RESON SEABAT 9001	
	DANISH FOREIGN MINISTRY	RESON SEABAT	
	DANSURVEY	RESON SEABAT	
	EIVA A/S	RESON SEABAT 9001-350 (2 systems)	
	GEOLOGICAL SURVEY OF DENMARK & GREENLAND (GEUS)	SIMRAD EM 3002	2005
	KYSTINSPEKTORATET	RESON SEABAT	
	ORESUNDSFORBINDELSEN	RESON SEABAT	
	ROYAL DANISH ADMIN OF NAVIG. & HYDROGRAPHY	ELAC BCC-180 KHz (4 sys)	1991, 1994 (3)
	SOVOERNETS MATERIELKOMMANDO	RESON SEABAT	
	STOREBOELTSKONSORTIET	RESON SEABAT	
	SVITZER A/S	RESON SEABAT 9001-350	
<b>EGYPT</b>			
DAHAB	SUEZ CANAL AUTHORITY	ATLAS FANSWEEP 20-200	2002
	NAVIGATION AND HYDROGRAPHIC DEPARTMENT (SAMAB)	RESON SEABAT 8124	2005
<b>ESTONIA</b>			
	ESTONIA MARITIME BOARD (ENMB)	RESON SEABAT	
<b>FIJI</b>			
	SOPAC	RESON SEABAT	
<b>FINLAND:</b>			
ARISTO	FINNISH MARITIME ADMINISTRATION-HYDROGRAPHIC OFFICE	TBD	2005-2006
GEOMARI	FINNISH NAVAL RESEARCH INSTITUTE	ATLAS FANSWEEP 20-200	2004
KAIKU	FINNISH MARITIME ADMINISTRATION-HYDROGRAPHIC OFFICE	RESON SEABAT 8101	2003
M120 (Launch)	FINNISH MARITIME ADMINISTRATION-HYDROGRAPHIC OFFICE	RESON SEABAT 8101	1999
M640 (Launch)	FINNISH MARITIME ADMINISTRATION-HYDROGRAPHIC OFFICE	RESON SEABAT 8101	
PAAESIKUNTA	FINNISH NAVAL RESEARCH INSTITUTE	ATLAS FANSWEEP-20	2003

SUUNTA	FINNISH MARITIME ADMINISTRATION-HYDROGRAPHIC OFFICE	ATLAS FANSWEEP-10, RESON SEABAT 8111	1993, 1997
	FINNISH NAVY	RESON SEABAT	
<b>FRANCE:</b>			
L'ATALANTE	IFREMER	SIMRAD EM-12 (DUAL), SIMRAD EM-950	1990/1994
BEAUTEMPS - BEAUPRE	S.H.O.M.	SIMRAD EM-120 (1°x1° system)	2002
BORDA	S.H.O.M.	THOMSON SINTRA ASM, SIMRAD EM-1002S	1988, 2001
L'ESPERANCE	S.H.O.M.	SIMRAD EM-12 (DUAL)	1992
JANUS	COMEX	RESON SEABAT 8101/Triton Elics HS150	2001
LAPÉROUSE	S.H.O.M.	SIMRAD EM-1002S	1999
LAPLACE	S.H.O.M.	SIMRAD EM-1002S	2000
MARION DUFRESNE II	IFRTP (FRENCH POLAR INSTITUTE)	THOMSON MARCONI TSM 5265	1996
MOUETTE & FREGATE	PORT AUTONOME DE DUNKERQUE	ATLAS FANSWEEP 20-200	2000
LE SUROIT	IFREMER	SIMRAD EM-1000, EM-300 (1x2° system)	1991, 1997
OCEAN SURVEYOR	LD CANOCEAN	SIMRAD EM-12, EM-950	1990, 1994
PORQUOI PAS?	IFREMER	RESON SEABAT 8150, 8111	2003
VELETTE HYDROGRAPHIQUE 90	S.H.O.M.	ATLAS FANSWEEP 20-200	2000
BHO HYDROGRAPHIC VESSEL	ALSTOM	SIMRAD EM-1002, EM-120	2002
	DRAGAGES PORT	SIMRAD EM-3000	2001
	FRENCH NAVY	SIMRAD EM-12, SIMRAD EM-950	1990/1994
	FRENCH NAVY	RESON SEABAT	
	LD CANOCEAN	RESON SEABAT	
	GTM DUMEZ	SIMRAD EM-3000	1998
	GROUPE DE ETUDES SOUS MARINE DE LA ATLANTIQUE	RESON SEABAT	
	MARITECH SARL	GEOSWATH	
	MESURIS	RESON SEABAT	
	PORT AUTONOME DE LE HARVE	RESON SEBAT	
	PORT AUTONOME DE MARSEILLE	RESON SEABAT	
<b>GERMANY:</b>			
BALTIC	WASSER UND SCHIFFFAHRTS AMT-STRALSUND	SIMRAD EM-3000D	2002
BIENE	WASSER UND SCHIFFFAHRTS AMT-HAMBURG	SIMRAD EM-3000 D	1998
DEEP-C (AUV)	O.S.A.E., BREMEN	RESON 7K (200 kHz)	2004
DEEPENSCHRIEVER III	PORT OF HAMBURG	ATLAS FANSWEEP-20-200	1996
DENEB	BSH	ATLAS HYDROSWEPT MD	1993
GENIUSBANK	O.S.A.E., BREMEN	RESON SEABAT 8101	
GENIUSBANK	O.S.A.E., BREMEN	SIMRAD EM-3002	2004
KOMET	BSH	ATLAS FANSWEEP 20-200	1998
KOMET 4 (Komet Survey launch)	BSH	ATLAS FANSWEEP 15	1998
KOMMANDOR JACK (ex-Valdivia)	O.S.A.E., BREMEN	SIMRAD EM-120, SIMRAD 1002	1998, 2000
JADE	WASSER UND SCHIFFFAHRTS AMT-WILHELMSHAVEN	ATLAS FANSWEEP 20-200	2002
JENS UWE LORNSEN	WASSER UND SCHIFFFAHRTS AMT-TONNING	ATLAS FANSWEEP 20-200	1998
MARIA S. MERIAN	BALTIC SEA RESEARCH INSTITUTE-WARNEMUNDE	ATLAS PARASOUND P-70	2005
MERIDIAN	O.S.A.E., BREMEN	RESON SEABAT 8101-ER	2004

METEOR	DFG/BMFT/RF	ATLAS HYDROSWEEEP DS	1986
NADIR	WASSER UND SCHIFFFAHRTS AMT-BREMEN	ATLAS FANSWEEP 20-200	2002
WFS PLANET	TNSW EMDEN	ATLAS HYDROSWEEEP DS-2	2002
POLARSTERN (Icebreaker)	ALFRED-WEGENER-INSTITUT FUR POLARFORSCHUNG	ATLAS HYDROSWEEEP DS-2, PARASOUND P-70	1994, 2005
RANGER (Mobile)	O.S.A.E., BREMEN	SIMRAD EM-3000	2002
REIHER	WASSER UND SHIFFFAHRTS AMT-DUISBURG	SIMRAD EM-3000 D	1998
SONNE	BMFT/RF	ATLAS HYDROSWEEEP DS, SIMRAD EM 120 (repl.)	1991, 2001
SOUNDING SYMPHONY	O.S.A.E., BREMEN	ATLAS FANSWEEP-10	
STORCH	G.K.S.S.	SIMRAD EM-3000	1998
TANGENS	WASSER UND SHIFFFAHRTS AMT-REGENSBURG	SIMRAD EM-3000 D	1998
UNKELSTEIN	WASSER UND SHIFFFAHRTS AMT-BINGEN	SIMRAD EM-3000 D	1999
WEGA	BSH	ATLAS HYDROSWEEEP MD	1991
WEGA	BSH	SIMRAD EM-3000D	2001
ZENIT	WASSER UND SCHIFFFAHRTS AMT-BREMERHAVEN	ELAC BCC II 180 kHz, ATLAS FANSWEEP 20-200	??, 2002
	CONSULT ING TEAM	RESON SEABAT	
	E.ON WASSERKRAFT	SIMRAD EM 3000 D	2003
	NAVITRONICS GmbH (Schaeffermeier)	RESON SEABAT 9001-350	
	NICOLA ENGINEERING	SIMRAD EM-120	1999
	NICOLA ENGINEERING	SIMRAD EM-3000 (portable system)	1999
	WASSER UND SCHIFFFAHRTS AMT-TONNING	RESON SEABAT	
<b>GREECE</b>			
AEGAEO	GREEK NATIONAL CENTRE FOR MARINE RESEARCH	SEABEAM 2120	1999
NAFTILOS	HELLENIC NAVY HYDROGRAPHIC SERVICE	SIMRAD EM-1002	2001
PITHEAS	HELLENIC NAVY HYDROGRAPHIC SERVICE	SIMRAD EM-2000	2001
	GREEK NATIONAL CENTRE FOR MARINE RESEARCH	SEABEAM 1180	2000
	UNIVERSITY OF ATHENS	SEABEAM 1055	2002
<b>HUNGARY</b>			
GYÖR 1	NORTH-TRANSDANUBIAN DISTRICT WATER AUTHORITY	ATLAS FANSWEEP 20-200	1997
<b>ICELAND</b>			
ARNI FREDRIKSSON	ICELAND MARINE RESEARCH INSTITUTE	SIMRAD EM-300	2000
<b>INDIA:</b>			
DARSHAK	NAVAL HYDROGRAPHIC OFFICE	SEABEAM 2112	1996 (2)
INVESTIGATOR	NAVAL HYDROGRAPHIC OFFICE	SEABEAM 2112	1998
SURVEY LAUNCHES (8)	NAVAL HYDROGRAPHIC OFFICE	SEABEAM 1180 (8 systems)	1996(4), 1998(2), 2001 (2)
NIRDESHAK	NAVAL HYDROGRAPHIC OFFICE	SEABEAM 2112, SEABEAM 1180 (2 systems)	1999, 2003
SAGAR KANYA	NATIONAL INSTITUTE OF OCEANOGRAPHY	SEABEAM 3012 (repl. Atlas Hydrosweep DS-1989)	2004
SARVEKSHAK	NAVAL HYDROGRAPHIC OFFICE	SEABEAM 2112	1996
	NATIONAL INSTITUTE OF OCEAN TECHNOLOGY	RESON SEABAT 8101-350	1996
	PARADIP PORT TRUST (PPT)	SEABEAM 1185	2004

<b>INDONESIA:</b>			
BARUNA JAYA	BAKO SURTANAL (INDONESIA SURVEY CO)	SEABEAM 1050	1994
BARUNA JAYA I	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-1000	1996
BARUNA JAYA I (SURVEY LAUNCH)	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-950	1996
BARUNA JAYA II	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-1000	1996
BARUNA JAYA II (SURVEY LAUNCH)	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-950	1996
BARUNA JAYA III	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-12 (DUAL)	1996
BARUNA JAYA VII	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-1000	1997
BARUNA JAYA VII (SURVEY LAUNCH)	BAKO SURTANAL (INDONESIA SURVEY CO)	SIMRAD EM-950	1997
BARUNA JAYA VIII	R&D CENTRE OF OCEANOLOGY	SIMRAD EM-950, EM-1000	1996, 1997
CINTA LAUT	DEPARTMEN KELAUTAN DAN PERIKANAN (DKP)	SIMRAD SM-2000 (TRITON ELICS HYDROSUITE)	2005
	P.T. CALMARINE	RESON SEABAT	
	P.T. CALMARINE	SEABEAM 1180	1999
	STOLT COMEX OFFSHORE	GEOSWATH	
<b>IRELAND</b>			
BLIGH	GLOBAL OCEAN TECHNOLOGIES (GOTECH) LTD	SIMRAD EM-120 / EM-1002	2000
CELTIC EXPLORER	MARINE INSTITUTE, DUBLIN	SIMRAD EM-1002	2002
CELTIC VOYAGER	MARINE INSTITUTE, DUBLIN	SIMRAD EM-950, SIMRAD EM 1002S	1999, 2000
SIREN	GLOBAL OCEAN TECHNOLOGIES LTD	SIMRAD EM-120 (2x2) / EM-1002	2000
	GLOBAL OCEAN TECHNOLOGIES LTD	SIMRAD EM-12 / EM-1002	2000
<b>ISRAEL:</b>			
ETZIONA	IOLR Ltd / GEOLOGICAL SURVEY OF ISRAEL	SIMRAD EM-1002	2001
<b>ITALY:</b>			
ANTEO	ITALIAN NAVY - SUBMARINE RESCUE VESSEL	SIMRAD EM-1002	2004
ARETHUSA	ITALIAN NAVY HYDROGRAPHIC SERVICE	SIMRAD EM-300	2000
	SURVEY LAUNCH	SIMRAD EM 3000	2003
ECHO	DRAFINSUB SURVEY SRL	RESON SEABAT 8125	2004
GALATHEA	ITALIAN NAVY HYDROGRAPHIC SERVICE	SIMRAD EM-300	2000
	SURVEY LAUNCH	SIMRAD EM-3000	2003
MAGNAGHI	ITALIAN HYDROGRAPHIC OFFICE	SEABEAM 1050 MK II upgrade	1998
ODIN FINDER	GAS ASSISTANCE AND SERVICES (GAS)	SIMRAD EM-300, EM-3000	1999
OGS-EXPLORA	INST. NAZI. DI OCEANOGR. E DE GEOFIS. SPERIMENTALE - OGS	RESON SEABAT 8111, 8150	2002
RAVELLO	DIAMAR	?????	
RAIS	CENTRE OCEANLOGICO MEDITERRANEO (CEOM)	SIMRAD 3000	1997
TELIRI	ELLETRA	SIMRAD EM-12, SIMRAD 3000, SIMRAD EM-950	1996
THETIS	CNR ISTITUTO DI ACOUSTICA	RESON SEABAT 8111-ER	2001
	CABI CATTANEO NAVY	RESON 6012 (8 sys)	2000/2003
	CNR ANCONA	SIMRAD EM-3000	2000
	COASTAL CONSULTING EXPLORATION	RESON SEABAT 8125	2000

	COMMUNICATION TECHNOLOGY SRL	ODOM ECHOSCAN	1999
	GAS ASSISTANCE AND SERVICES (GAS)	RESON SEABAT 8101, 8160, 9001	2001
	GEOLOGICAL ASSISTANCE AND SERVICE	SIMRAD EM-3000	1997
	GEOSYSTEM	RESON SEABAT 8125	2000
	GEPOMAR	RESON SEABAT 9001	1999
	INTERMARINE	SIMRAD EM-300 (2 systems)	1999
	INTERNATIONAL MARITIME ACADEMY-TRIESTE	ELAC BCC-180 kHz MkII (2 sys)	1997
	IMPRESUB	ELAC BCC-50 kHz Mk II upgrade	1997
	ITALIAN NAVY HYDROGRAPHIC SERVICE	SIMRAD EM-3000 (2 systems)	2003
	MARTECH SRL	RESON SEABAT	
	NAUTILUS SURVEY COMPANY	ELAC BCC Mk II -180 kHz	1997
	NORDEST RILIEV	SIMRAD EM-3000D, EM 300	1999
<b>JAPAN:</b>			
CHIBA-MARU (317t)	CHIBA PREFECTURE / FISH EXP.	FURUNO HS-200/II	1992
DAINISENSYU-MARU (18t)	AKITA PREF. FISH. RESEARCH & MGMT CTR	FURUNO HS-200/II	1991
ECHIGO-MARU (187t)	NIIGATA PREFECTURE / FISH EXP.	FURUNO HS-200/II	1996
FUKAE-MARU	KOBE UNIV.-MMA	FURUNO HS-100	1987
HAMASHIO	JMSA / 3rd REGIONAL MARITIME SAFETY HQ	RESON SEABAT 8101 (ER)	2000
HAKUHO MARU	UNIV. TOKYO	SEABEAM 2120	1999
HAKUREI MARU II	MMA/DORDO	ATLAS HYDROSWEPT DS	1991
HAYASHIO	JMSA / 7th REGIONAL MARITIME SAFETY HQ	RESON SEABAT 8101 (ER)	1999
ISESHIO	JMSA / 4th REGIONAL MARITIME SAFETY HQ	RESON SEABAT 8101 (ER)	1999
ISOSHIO	JMSA / 10th REGIONAL MARITIME SAFETY HQ	RESON SEABAT 8101 (ER)	2000
IWAKU MARU	FUKUSHIMA F.R.S.	ATLAS FANSWEEP 15	1999
IWATE-MARU	IWATE PREFECTURE	FURUNO HS-200/II	1990
IZU	JAPAN MARITIME SAFETY AGENCY	FURUNO HS-200/II	1996
KAIREI	JAMSTEC	SEABEAM 2112.004	1996
KAIUN-MARU (208t)	AOMORI PREFECTURE / FISH EXP.	FURUNO HS-200/II	1993
KAIYO	JAPAN MARITIME SAFETY AGCY / HYDROGRAPHIC DEPT	SEABEAM 2000	1993
KAIYO (SWATH HULL)	JAMSTEC	SEABEAM	1983
KAIYO-MARU (299t)	NIIGATA PREFECTURAL KAIYO HIGH SCHOOL	FURUNO HS-200/II	1994
KOTAKA-MARU (59t)	FISHERIES AGENCY / NANSEI REGION	FURUNO HS-200/II	1994
KURUSHIMA	JMSA / 6th REGIONAL MARITIME SAFETY HQ	RESON SEABAT 9001S	1997
MEIYO	JMSA / HYDROGRAPHIC DEPARTMENT	SEABEAM 2000	1997
MIRAI	JAMSTEC	SEABEAM 2112.004	1996 (upgrade '99)
MIYAKO	TOKYO MET/FISH EXP.	FURUNO HS-100	1987
MOGAMI-MARU (98t)	YAMAGATA PREFECTURE / FISH EXP.	FURUNO HS-200/II	1991
MYOJIN-MARU NO. 8	FISHERIES AGENCY	FURUNO HS-100	
NATSUSHIMA (Shinkai 6500 mother ship)	JAMSTEC	SEABEAM 2000	
NOJIMA, (820t)	JMSA (3rd REGION / YOKOHAMA)	FURUNO HS-100	1985
OJIKA (861t)	JMSA (2nd REGION)	FURUNO HS-200/II	1990
OKISHIO	JMSA / 11th REGIONAL MARITIME SAFETY HQ	RESON SEABAT 8101 (ER)	1999
OSHIMA-MARU (226t)	OSHIMA NAT'L COLLEGE OF MARITIME TECHNOLOGY	FURUNO HS-200/II	1993

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OYASHIO-MARU (178t)	HOKKAIDO PREFECTURE / FISH EXP.	FURUNO HS-200/II	1990
RISHIRI (960t)	JMSA (1st REGION / KUSHIRO)	FURUNO HS-100	1987
SATSUMA (1250t)	JMSA (10th REGION)	FURUNO HS-100	1995
SHOYO	JMSA/HYDROGRAPHIC DEPARTMENT	SEABEAM 2112	1997
SURVEY LAUNCH	JMSA/HYDROGRAPHIC DEPARTMENT	RESON SEABAT 9001S (2 systems)	1995, 1997
TAJIMA (140t)	HYOGO PREFECTURE / TANNBA FISH OFFICE	FURUNO HS-100	1988
TAKUYO	JMSA / HYDROGRAPHIC DEPARTMENT	SEABEAM 2100	upgrade '95
TANEICHI-MARU (33t)	IWATE PREFECTURE / TANEICHI HIGH SCHOOL	FURUNO HS-500	1989
TENYO	JMSA / HYDROGRAPHIC DEPARTMENT	SEABEAM 1180	2000
SURVEY LAUNCH	JMSA/HYDROGRAPHIC DEPARTMENT	RESON SEABAT 9001S (2 systems)	1995, 1997
TONAN-MARU (174t)	OKINAWA PREFECTURE / FISH EXP.	FURUNO HS-200/II	1994
UZUSHIO	JMSA / 5th REGIONAL MARITIME SAFETY HQ	RESON SEABAT 8101 (ER)	2000
WAKATAKA-MARU (692t)	FISHERIES AGENCY / TOHOKU REGION	FURUNO HS-200/II	1994
YOKOSUKA (4500t)	JAMSTEC	FURUNO HS-10, SEABEAM 2112	1989, 1999
YOSYU (60t)	EHIME PREFECTURE	FURUNO HS-100	1985
08 AGS	JMSDF	SEABEAM 2112.004	1997
	4th PORT CONSTRUCTION BUREAU	RESON SEABAT 8124	1999
	AERO ASAHI CORPORATION	RESON SEABAT 9001S-350	1996
	AKITA FISHERIES RESEARCH STATION	RESON SEABAT 8101-300	1997
	DISASTER PREVENTION RES. INST. / KYOTO UNIVERSITY	FURUNO HS-500/II	1991
	EHIME UNIVESITY	RESON SEABAT 8101	2000
	ENGINEERING INSTITUTE	ATLAS FANSWEEP-10	1993
	FUYO MARINE DEVELOPMENT	RESON SEABAT 8101 (ER)	1999
	GOYO CORPORATION	RESON SEABAT 9001S	1999
	JAMSTEC	FURUNO HS-200	1987
	JMSA/HYDROGRAPHIC DEPARTMENT (HQ)	RESON SEABAT 9001S-350	1995
	JAPAN SELF DEFENSE AGENCY	RESON SEABAT 8101-300	1998
	KAGOSHIMA FISHERIES RESEARCH STATION	RESON SEABAT 9001S-350	1996
	KOKKUSAI KYOGO CO LTD.	SIMRAD EM-3000D	2000
	KOKUSAI AERIAL SURVEY	RESON SEABAT 9001S-350 (2 systems)	1996, 1999
	KOKUSAI MARINE ENGINEERING CORP.	RESON SEABAT 9001S-350	1995
	NAT'L FEDERATION OF MEDIUM TRAWLERS	FURUNO HS-100	1988
	OCEAN ENGINEERING CORP.	RESON SEABAT 9001S-350 (3 systems)	1996, 1998, 1999
	PENTA-OCEAN CONSTRUCTION CO., LTD.	RESON SEABAT 9001	1996
	SANYO TECHNO MARINE, INC.	RESON SEABAT 9001S-350 (2 systems)	1995/1997
	SHIZUOKA FISHERIES RESEARCH STATION	RESON SEABAT 9001S-350	1994
	SINKO CONSTRUCTION CO., LTD.	RESON SEABAT 9001S-350	1996
	TAISEI CONSTRUCTION CO., LTD.	FURUNO HS-500	1987
	TOA CORPORATION	RESON SEABAT 9001S-350 (2 systems)	1995
	TOKYO PORT BUREAU	RESON SEABAT 8101	1998
	TOTTORI FISHERIES RESEARCH STATION	RESON SEABAT 8101-300	1997
	TOYO CORPORATION	RESON SEABAT 9001S-350	1994
<b>KOREA:</b>			

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BADARO	NORI	SIMRAD EM-300	2002
BORARO 1	NORI	SIMRAD EM-3000	2002
DONG HAE RO	NORI	SIMRAD EM-3000, EM-950	1997
EARDO	KORDI	SIMRAD EM-1002	2000
HAE YANG 2000	KOREAN HYDROGRAPHIC SERVICE	SEABEAM 2112.360	1997
HWANG HAE RO	NORI	SIMRAD EM-3000	1999
NAM HAE RO	KORDI/SAROK	SIMRAD EM-3000D	1998
ONNURI	KORDI	SEABEAM 2000	1992
TAMHAE II	KOREA INSTITUTE OF GEOLOGY, MINING & MATERIALS	SIMRAD EM-12, EM-950	1996
	HYUNDAI I.C.T.	RESON SEABAT	
	KORDI	RESON SEABAT	
<b>KUWAIT</b>			
CATADAN	AL SABAH MARINE COMPANY	ATLAS FANSWEEP-15	2003
<b>LATVIA</b>			
	FREE PORT OF VENTSPILS AUTHORITY	RESON SEABAT	
	MARITIME ADMINISTRATION OF LATVIA	RESON SEABAT	
<b>LITHUANIA</b>			
	KLAIPEDA STATE SEAPORT AUTHORITY	ELAC BCC-180 KHz	1995
VARUNA	KLAIPEDA STATE SEAPORT AUTHORITY	SEABEAM 1185 (2 systems)	2003
<b>MALAYSIA:</b>			
K.D. MUTIARA	ROYAL MALAYSIAN NAVY	ATLAS HYDROSWEEEP MD-2 / 30kHz	2003
K.D. PERANTAU	ROYAL MALAYSIAN NAVY	ATLAS HYDROSWEEEP MD-2	1997
PLUTO (Perantau Survey Launch 124)	ROYAL MALAYSIAN NAVY	ATLAS FANSWEEP 20-100	1997
UTARID (Perantau Survey Launch 123)	ROYAL MALAYSIAN NAVY	ATLAS FANSWEEP 20-100	1998
TEKNIK GLORA	TL GEOHYDROGRAPHICS SDN BHD	SIMRAD EM 1002	2000
TEKNIK KEMBARA	TL GEOHYDROGRAPHICS SDN BHD	SUBMETRIX ISIS 300	
TEKNIK PUTRA	TL GEOHYDROGRAPHICS SDN BHD	SIMRAD EM-3000	2001
	JURUKUR TEGUH (M) SDN BHD	ODOM ECHOSCAN	1999
	MINISTRY OF TRANSPORT - MARINE DEPT, SARAWAK	GEOSWATH (2 systems)	
(Portable)	MARINE DEPARTMENT PENINSULAR MALAYSIA	SIMRAD EM 3000D	2002
<b>MALTA</b>			
FRES	ALEXANDER NAVIGATION CO LTD	SIMRAD EM-120 / EM-1002	2000
<b>MEXICO</b>			
SHOGUN	SEAPROD S.A. DE C.V.	RESON SEABAT 9001	2000
<b>NATO:</b>			
ALLIANCE	SACLANTCEN-LA SPEZIA	ATLAS HYDROSWEEEP MD	1990

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ALLIANCE	SACLANTCEN-LA SPEZIA	SIMRAD EM 3000	1997
	SACLANTCEN-LA SPEZIA	RESON SEABAT	
<b>NETHERLANDS:</b>			
ANS	BOSKALIS	SIMRAD EM-3000	1998
ARCA	RIJKSWATERSTATT NORDZEE	SIMRAD EM-3000 (DUAL)	1997
BLOMMENDAL	RIJKSWATERSTAAT	BATHYSCAN 300	
CHR. BRUNINGS	RIJKSWATERSTAAT	SIMRAD EM-100	1989
CYGNUS	RIJKSWATERSTATT / ZUID-HOLLAND	ATLAS FANSWEEP 20-200	1998
BURSKYES	VAN OORD (fallpipe)	BATHYSCAN 300	
EUROWERKEN	PORT OF ROTTERDAM	ATLAS FANSWEEP-20-200	1996
FAIRWAY	BOSKALIS	SIMRAD EM-3000	1997
HOUTVLIET	RIJKSWATERSTAAT	SIMRAD EM-3000 D	1997
JACKY	BOSKALIS	SIMRAD EM-3000	1997
MARGO	BOSKALIS	SIMRAD EM-3000	1996
OCTANS	RIJKSWATERSTAAT	SIMRAD EM-950	1993
PAVO	RIJKSWATERSTAAT / ZUID-HOLLAND	ATLAS FANSWEEP 10, FANSWEEP 20	1994
QUEEN OF THE NETHERLANDS	BOSKALIS	SIMRAD EM-3000D	1997
ROTTERDAM	RIJKSWATERSTAAT / NORDZEE	SIMRAD EM-3000	2002
SEAHORSE	ROCKWATER	SIMRAD EM-3000	1998
TERTNES	VAN OORD (fallpipe)	RESON SEABAT 8125	2002
TROLLNES	RIJKSWATERSTAAT	RESON SEABAT 9001	
WIJTVLIET	RIJKSWATERSTAAT / ZEELAND	SIMRAD EM-950 (hull unit), EM-1002	1993, 1999
	NETHERLANDS NAVY	RESON SEABAT	
	NETHERLANDS NAVY	SIMRAD EM 3000D (2 systems)	2002
	ALLSEAS BV	RESON SEABAT	
	BALLAST NEDAM DREDGING	RESON SEABAT	
	BOSKALIS	SIMRAD EM-3000 (2 systems)	1996, 1997
	BOSKALIS	SIMRAD EM-3000S	2000
RESEARCH VESSEL	DAMEN SHIPYARD	SIMRAD EM-1002	2002
	DREDGING INTERNATIONAL	RESON SEABAT	
	GEOCOM BV	RESON SEABAT	
	GEOPLUS	SIMRAD EM 3002	2005
	HAM DREDGING	RESON SEABAT 8101	1997
	HAM DREDGING	RESON SEABAT 9001-350 (2 systems)	1999
	NeSA	RESON SEABAT 9001-350 (5 systems)	
	NeSA	RESON SEABAT 9003-350	
	NeSA	RESON SEABAT 8101-300 (2 systems)	
	NeSA	RESON SEABAT 8125 (4 systems)	1999
	OCEONICS INTERSITE BV	ATLAS FANSWEEP-10	1990
	QPS / QUALITY POSITIONING SYSTEMS	RESON 8125	2002
	RIJKSWATERSTAAT-NOORD HOLLAND	RESON SEABAT 8125, 8101	1999, 2002
	SEATEAM BV	RESON SEABAT	
	TIDEWAY OFFSHORE AND MARINE CONTRACTORS	RESON SEABAT 9001-350	

	VAN OORD ACZ	RESON SEABAT 9001S-350 (4 systems)	
	VAN OORD ACZ	RESON SEABAT 8125 (5 systems)	2002
<b>NEW CALEDONIA (FRANCE)</b>			
	IRD.UMR GEOSCI AZURE LAB DE GEOL/GEOPHYSICS	SIMRAD EM -1002	2001
<b>NEW ZEALAND</b>			
SMB ADVENTURE	ROYAL NEW ZEALAND NAVY	ATLAS FANSWEEP 20-200	1999
HMMS RESOLUTION	ROYAL NEW ZEALAND NAVY	ATLAS HYDROSWEEEP MD-2/30	1999
TANGAROA (ex-OCEAN ALERT [ C&C TECH-US	NIWA	SIMRAD EM-300	2001
	BTW ASSOCIATES, LTD	RESON SEABAT	
<b>NORWAY:</b>			
ARGUS ROV	ARTEC SUBSEA	SIMRAD EM-3000	2001
BERGEN SURVEYOR	STOLT-NIELSEN NORWAY	SIMRAD EM-100	1988
CONCAT (CATAMARAN)	FUGRO SURVEY A/S	SIMRAD EM-3000D	2003
DIV. "U"	FORSVARETS FORSKNINGSINSTITUTT	SIMRAD EM-100	1989
GEOGRAPH	GEOCONSULT A/S	SIMRAD EM-100. EM-1000	1987, 1991
GEOFJORD	GEOCONSULT A/S	SIMRAD EM-100, EM 300 (1° system)	1986/1997
GEOFJORD	GEOCONSULT A/S	RESON 8125	2001
GEOMASTER	GEOCONSULT A/S	SIMRAD EM-1000	1992
GEO PROSPECTOR	FUGRO-GEOTEAM A/S	SIMRAD EM-300	1996
ECHO SURVEYOR (HUGIN 3000) AUV	FUGRO-GEOTEAM A/S	SIMRAD SM-2000	2005
GEO SCANNER	FUGRO GEODETIC / GEOTEAM	SIMRAD EM-1000, EM-1002	1993, 1999
GEO SURVEYOR	STOLT COMEX SEAWAY	SIMRAD EM 300 (1° sys), EM-3000	1997
HYLSFJORD	BLOM A/S	SIMRAD EM-950, EM-3000	1993, 1998
HUGIN 1 (AUV),	KONGSBERG SIMRAD / FORSVARETS FORSKNINGSINSTITUTT	SIMRAD EM-3000 (2)	1996, 2002
HUGIN 1000 (AUV)	ROYAL NORWEGIAN NAVY	SIMRAD EM-3000	2004, 2005 (2 systems)
HUGIN 3000 GC (AUV)	GEOCONSULT A/S	SIMRAD EM-2000	2002
ICE KING	ICE KING A/S	SIMRAD EM-100	
JAN MAYEN	UNIVERSITETET I TROMSOE	SIMRAD EM-300 (1° X 2°)	2004
LANCE	NORWEGIAN HYDROGRAPHIC SERVICE	SIMRAD EM-100	1987
NORDKABEL	BLOM A/S	SIMRAD EM-1002 (with hull unit)	1999
NORTH SEA SURVEYOR	STOLT-NIELSEN NORWAY	SIMRAD EM-100	
NUI EXPLORER (AUV)	NORWEGIAN UNDERWATER INTERVENTION	SIMRAD EM-3000	2002
ODIN-FINDER	FORSVARETS FORSKNINGSINSTITUTT	SIMRAD EM-100 (sold to Italy-GAS)	
G. O. SARS	UNIVERSITETET I BERGEN / INSTITUTE OF MARINE RESEARCH	SIMRAD EM-300, EM 1002, SM-2000	2002
SEAWAY SURVEYOR	STOLT COMEX SEAWAY	SIMRAD EM -300 (2°X2°)	1996
SIMRAD	SIMRAD SUBSEA	SIMRAD EM-1000	1991
SIMRAD ECHO	SIMRAD SUBSEA	SIMRAD EM-950	1994
SJØMÅLEREN	NORWEGIAN HYDROGRAPHIC SERVICE	SIMRAD EM-1002 (with hull unit)	1999
SJØTROLL	NORWEGIAN HYDROGRAPHIC SERVICE	SIMRAD EM-3000D	1999
H. U. SVERDRUP	FORSVARETS FORSKNINGSINSTITUTT	SIMRAD EM-100, EM-1002	1989, 2000

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ULA CLASS (SUBMARINE)	FORSVARETS FORSKNINGSINSTITUTT	SIMRAD-EM 3000 / 3002	2004
	ALCATEL CABLE A/S	RESON SEABAT	
	ARTEC SUBSEA	SIMRAD EM-1002, EN-3002D, EN-2000	2004
	CONOCO-NORWAY	RESON SEABAT	
	DEEP OCEAN A/S-DPII	RESON SEABAT 8111	2000
	DEEP OCEAN A/S-DPII	RESON SEABAT 8125 (3 sys.-HIROV 3000)	2000
	ELF AQUATAINE-NORWAY	RESON SEABAT	
	FORSVARETS FORSKNINGSINSTITUTT	SIMRAD EM-1002 (with hull unit)	1999
	GEOCONSULT A/S	ATLAS FANSWEEP-10	1990
ROV	GEOCONSULT A/S	SIMRAD EM-3000 (DUAL)	1997
	GEOCONSULT A/S	RESON SEABAT	
	GEOFINMARK A/S	ODOM ECHOSCAN	2004
	GEOLOGICAL SURVEY OF NORWAY	GEOSWATH	
	GEOTEAM	RESON SEABAT	
	MAERSK OLJE & GAS	RESON SEABAT	
	NAVTEK AS	SIMRAD EM-300 (2 <sup>o</sup> system), EM-3002	2005
	s	RESON SEABAT	
	NORSK SHELL	RESON SEABAT	
	NORWEGIAN HYDROGRAPHIC SERVICE	SIMRAD 3000D	1999
	NORWEGIAN HYDROGRAPHIC SERVICE	SIMRAD 3000D	1999
	STATOIL	RESON SEABAT	
	STOLT-COMEX SEAWAY	SIMRAD EM-3000 (DUAL)	1996
ROV	STOLT-COMEX SEAWAY	SIMRAD EM-3000D	1999
	STOLT-COMEX SEAWAY	RESON SEABAT	
	TROMSO UNIVERSITY	RESON SEABAT	
	WESTMINSTER OFFSHORE	RESON SEABAT 9001-350 (2 systems)	
<b>OMAN</b>			
MABRUKAH	ROYAL NAVY OF OMAN	SIMRAD EM-1002	2001
<b>PAKISTAN</b>			
BEHR PAIMA	PAKISTAN HYDROGRAPHIC DEPARTMENT	RESON SEABAT 8101	2003
BEHR PAIMA (Survey launch)	PAKISTAN HYDROGRAPHIC DEPARTMENT	RESON SEABAT 8102	2000
<b>PANAMA</b>			
	PANAMA CANAL COMMISSION	ODOM ECHOSCAN (2 systems)	1998
<b>PERU</b>			
LA MANCHA	PERU NAVY - HYDROGRAPHIC OFFICE	ATLAS FANSWEEP-20-100	2000
<b>PHILIPPINES</b>			
PRESBITERO	NAT'L MAPPING & RESOURCE INFO AUTH-DENR	SEABEAM 2112.360	1997
VENTURA	NAT'L MAPPING & RESOURCE INFO AUTH-DENR	SEABEAM 2112.360	1997

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	NAT'L MAPPING & RESOURCE INFO AUTH-DENR	SEABEAM 1180 Mk II upgrade (2 sys)	1997
	NAT'L MAPPING & RESOURCE INFO AUTH-DENR	ELAC BCC II 180kHz	1997
<b>POLAND:</b>			
ANIA	PORT OF GDANSK	SIMRAD EM-3000	1995
DOKTOR LUBECKI	MARITIME INSTITUTE-GDANSK	RESON SEABAT 9001	1996
HYDROGRAPHER 10	HYDROGRAPHIC INSTITUTE / GDYNIA	ATLAS FANSWEEP-10	1994
NAVIGATOR 21	UNIVERSITY OF SZCZECIN	SEABEAM 1180	1998
PARNICA	URZAD MORZKI W GDYNI	ATLAS FANSWEEP-20	1998
	MARITIME OFFICE - STETTIN	SIMRAD EM-3000	1997
<b>PORTUGAL:</b>			
CORAL	INSTITUTO HIDROGRAFICO (IHPT)	SIMRAD EM-950	1995
DON CARLOS I	INSTITUTO HIDROGRAFICO (IHPT)	SIMRAD EM-120	2001
	INSTITUTO HIDROGRAFICO (IHPT)	SIMRAD EM-3000	2001
<b>ROMANIA</b>			
ANGELIC SALIINI	PORT OF CONSTANZA AUTHORITY	ATLAS FANSWEEP -20-200	1997
<b>RUSSIA:</b>			
AKADAMICIAN IOFFE	INSTITUTE OF ACOUSTICS-RAS	HOLLMING EKHOS XD	1989
AKADAMICIAN M.A. LAVRENTYEV	RUSSIAN ACADEMY OF SCIENCES	HOLLMING EKHOS II	
R/V DMITRY MENDELEEV	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY-RAS	HOLLMING EKHOS MD	
AKADAMIK BORIS PETROV	V.I. VERNADSKY INSTITUTE OF GEOCHEMISTRY-RAS	ATLAS HYDROSWEPT DS-2	2003
AKADAMICIAN NIKOLAY STRAKHOV	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY-RAS	HOLLMING EKHOS II	
AKADAMICIAN SERGEI VAVILOV	INSTITUTE OF ACOUSTICS-RAS	HOLLMING EKHOS XD	1989
ECARMA	POSEIDON	SIMRAD EM-1000	1996
GELENDZHEK	RUSSIAN CENT. MAR. GEOL. & GEOPHYS. EXPED.	SIMRAD EM-12	1995
PETER KOTTSOV	RUSSIAN HYDRO OFFICE / (Long term lease to Racal, UK)	SIMRAD EM-12S, ELAC BCC Mk II	1990, 1998
GS 525	MINISTRY OF DEFENCE	ATLAS FANSWEEP 20-200	1998
	AMIGE (ARCTIC MARINE ENG. GEOLOGICAL EXPEDITIONO	RESON SEABAT	
	CORRECT MARINE	SEABEAM 1180	2002
	LTD. "SEVZAPGIDROPROEKT"	RESON SEABAT	
	PORT AUTHORITY-KALININGRAD	SIMRAD EM-3000	1997
	PORT AUTHORITY-SANKT PETERBURG	SIMRAD EM-3000	1997
	ROMONA J/S RUSSIAN MARINE POSITIONING & SURVEY CO	RESON SEABAT	
	STATE HYDROGRAPHIC DEPT, RUSSIAN MIN. OF TRANSPORT	RESON SEABAT	
	TECHNOPOLE CO. - OCEANOGRAPHIC & SONAR EQUIPMENT	RESON SEABAT	
	YUZHMOREGEOLOGIYA	SIMRAD EM-3000D	2001
<b>SAUDI ARABIA:</b>			
KARAN 8	ARAMCO	SIMRAD EM-1000	1994
	ARABIAN OIL COMPANY	RESON SEABAT	

	ARAMCO	RESON SEABAT 9001S-350 (2 systems)	
	MacARTNEY A/S	RESON SEABAT	
<b>SINGAPORE:</b>			
SEA WIND	FUGRO GEODETIC PTE LTD	SIMRAD EM-950	1994
SIMRAD ECHO	KONGSBERG SIMRAD ASIA PTE, LTD	SIMRAD EM-950, EM-3000	1994/1997
SINGAORA	FUGRO GEODETIC PTE LTD	SIMRAD EM-1002	2002
TEKNIK PERDANA	TL GEOHYDROGRAPHICS	SIMRAD EM-120, EM-1002	2000
	ASHTeAD TECHNOLOGY S.E. ASIA	GEOSWATH	
	ASHTeAD TECHNOLOGY S.E. ASIA	RESON SEABAT 9001-350 (2 systems)	
	ASHTeAD TECHNOLOGY S.E. ASIA	RESON SEABAT 9001-800	
	ASHTeAD TECHNOLOGY S.E. ASIA	RESON SEABAT 8101, SEABAT 6012	
	FUGRO GEODETIC PTE LTD	GEOSWATH	
	HYDRONAV	TRITON-ELICS HYDROSUITE	2001
3000M Towfish	SEATRONICS PTE LTD	SIMRAD EM-2000	2002
<b>SOUTH AFRICA:</b>			
PROTEA	RSA NAVY-HYDROGRAPHIC DEPARTMENT	ATLAS HYDROSWEPT MD	1992/1993
IVAN PRINCEP	TRANS HEX GROUP	RESON SEABAT 8125	2001
NAMAKWA	TRANS HEX GROUP	RESON SEABAT 8125	2002
NHC SURVEYOR		RESON SEABAT 8125	2003
	DE BEERS MINING	RESON SEABAT	
	SAKAWA MINING CORPORATION	SEA SWATHplus-M/L	2004
	UNDERWATER SURVEYS	RESON SEABAT	
<b>SPAIN:</b>			
E. EVA	ECOMETRIA (ISLAS CANARIAS)	RESON SEABAT 8160	2005
HESPERIDES	CONSEJO SUPERIOR DE INVESTIGACIONES CEINTIFICOS	SIMRAD EM-12S-120, EM-1000, EM-1002	1990, 1991, 1998
	CONSEJO SUPERIOR DE INVESTIGACIONES CEINTIFICOS	SIMRAD EM-120 (1X2), EM-1002 (upgrade)	2003
RIEGEL	IHM SPAIN	SIMRAD EM-3000	2000
VISCONDE DE EZA	IEO	SIMRAD EM-300, EM 3000D	1999
	ATZI/TECNALIA	RESON SEABAT 7125	2005
	ALATEC / ESGEMAR	SEABEAM 1185	2003
	CASTELLON HARBOR	RESON SEABAT	
	CENTRO DE INVESTIGACIONES SUBMARINAS S.L.	GEOSWATH	
	CONSEJO SUPERIOR DE INVESTIGACIONES CEINTIFICOS	SIMRAD EM-300	2000
	ESTUDIO ITAC S.L. - LAS PALMAS DE GRAN CANARIA	GEOSWATH	
	ECOMETRIA	SIMRAD EM-3000	2000
	GEOMY TSA	RESON SEABAT 9001-350	
	IEO	SIMRAD EM-3000D	1999
<b>SWEDEN:</b>			
ALE	SWEDISH NATIONAL MARITIME ADMIN (SNMA)	ELAC BCC-180 KHz Mk II	1998

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GEOBALTIC (ex-Johan Hordennankar)	FUGRO	ELAC BCC-180 KHz	
JACOB HAGG	SWEDISH NATIONAL MARITIME ADMIN (SNMA)	ELAC BCC-180 KHz Mk II	1998
JOHAN NORDENANKAR (sold-Fugro in '96)	SWEDISH NATIONAL MARITIME ADMIN (SNMA)	ELAC BCC-180 KHz	1995
MR. BEAM	MARIN MÄTTEKNIK	SIMRAD EM-950	1994
	BOFORS UNDERWATER SYSTEMS AB	RESON SEABAT	
	FORSVARETS FORSKNINGSSANSTALT	RESON SEABAT	
	MARIN MÄTTEKNIK	SIMRAD EM-3000D	2000
	MARIN MÄTTEKNIK	SIMRAD EM-1002	2000
	SWEDISH NAVY	RESON SEABAT	
<b>SYRIA</b>			
PALMYRA	GENERAL DIRECTORATE OF PORTS (GDP)	SIMRAD EM-1002	2005
<b>TAIWAN ROC:</b>			
TAKUAN	MINISTRY OF TRANSPORT & COMMUNICATION	SIMRAD EM-12(DUAL), EM-1000	1994
	STRONG ENGINEERING	GEOSWATH	
	TAIWAN NAVY HYDROGRAPHIC OFFICE	SEABEAM 1180	2002
	NATIONAL TAIWAN UNIVERSITY	RESON SEABAT 9001S-350	
	SUN-YAT SEN UNIVERSITY	RESON SEABAT 9001-350	
<b>THAILAND:</b>			
	UNOCAL THAILAND	GEOSWATH	
<b>TURKEY:</b>			
CESNEI (ex-USNS Silas Bent T-AGOR 26)	TURKISH NAVY, DEPT OF NAVIG, HYDROG & OCEANOGR.	SEABEAM (upgrade in 2001)	2001
CUBUCLU	TURKISH NAVY, DEPT OF NAVIG, HYDROG & OCEANOGR.	SEABEAM 1050 D (DUAL FREQ)	1997 (upgrade)
MESAHA 1	TURKISH NAVY, DEPT OF NAVIG, HYDROG & OCEANOGR.	SEABEAM 1180	2000
<b>UNITED ARAB EMIRATES:</b>			
ARGO CAPE	MARTIN MID EAST	RESON SEABAT 8125	2002
	SEATRONICS LTD	GEOSWATH	
	UAF CO.	ATLAS FANSWEEP 20-100	2004
	UNIQUE SYSTEMS	SIMRAD EM 3000	1999
<b>UNITED KINGDOM:</b>			
ANGLIAN SOVERIGN (TOW VESSEL)	UK MARITIME AND COASTGUARD AGENCY (MCA)	RESON SEABAT 7125	2005
AUTOSUB (AUV)	SOUTHAMPTON OCEANOGRAPHY CENTRE	SIMRAD EM-2000	2002
<b>AUTOSUB (AUV)</b>	HALLIBURTON SUBSEA	SIMRAD EM-2000	2002
CHARLES DARWIN (RRS)	NERC / SOUTHAMPTON OCEANOGR. CENTRE	SIMRAD EM-12 S/120	1993
CONFIDENT	REID MARINE / GARDLINE SURVEYS LTD	SIMRAD EM-3000D	2004
DISCOVERY (RRS)	NERC / SOUTHAMPTON OCEANOGR. CENTRE	GLORIA (system retired)	
EASTERN EXPLORER	RACAL SURVEY LTD	SEABEAM 1050 D upgraded 1998	1997
HMS ECHO	ROYAL NAVY / VOSPER THORNYCROFT (UK) LTD	SIMRAD EM-1002S	2001



Survey motor boat "Pioneer"	ROYAL NAVY / VOSPER THORNYCROFT (UK) LTD	SIMRAD EM-3000	2001
ECHO SURVEYOR (HUGIN 3000 AUG)	FUGRO NV	SIMRAD EM-2000	2005
HMS ENDURANCE	ROYAL NAVY ICE PATROL	SIMRAD EM-710S	2005
HMS ENTERPRISE	ROYAL NAVY / VOSPER THORNYCROFT (UK) LTD	SIMRAD EM-1002, EM-3000	2001, 2003
Survey motor boat "Pathfinder"	ROYAL NAVY / VOSPER THORNYCROFT (UK) LTD	SIMRAD EM-3000	2001
FARNELLA	JOHN MARR SHIPPING	GLORIA (system retired)	Retired
FUGRO MERIDIAN	FUGRO SURVEY-ABERDEEN	SIMRAD EM-300 1°X1°	2003
GEO PROSPECTOR (Mother ship-Echo Surveyor)	FUGRO SURVEY-ABERDEEN	SIMRAD EM-300 1°X1°	2001
GEO SEARCHER	FUGRO-GEOTEAM LTD	SIMRAD EM-1000, upgrade to EM-1002	2001
GEO SURVEYOR	FUGRO-GEOTEAM LTD	SIMRAD EM-1000	1997
GLEANOR	MINISTRY OF DEFENCE	ATLAS FANSWEEP-20-200	1997
S/V ISAMBARD BRUNEL	THE BRISTOL PORT AUTHORITY	RESON SEABAT 8101	2004
JEAN CHARCOT	FUGRO-GEOTEAM LTD	SIMRAD EM-12, EM-1000	1991/1992
L'ESPOIR	SVITZER LTD. / BRITSURVEY	ATLAS HYDROSWEEEP DS-2, FANSWEEP-20-100	1994, 1998
MAGELLAN	SVITZER LTD. / BRITSURVEY	ATLAS HYDROSWEEEP MD-2	1994, 1997
MERIDIAN	SVITZER LTD. / BRITSURVEY	ATLAS HYDROSWEEEP MD-2	2000
MERCATOR	SVITZER LTD. / BRITSURVEY	ATLAS FANSWEEP-20-100	1996
NESBITT	MINISTRY OF DEFENCE	ATLAS FANSWEEP-20-200	1996
OCEAN SEEKER	GARDLINE SURVEYS LTD	SIMRAD EM-1002	2004
ORIENT EXPLORER	RACAL SURVEY LTD	SEABEAM 1050 D	1997
OWEN	MINISTRY OF DEFENCE	ATLAS FANSWEEP-20	1998
HMS ROEBUCK	ROYAL NAVY	SIMRAD EM-1002	2004
Survey motor boat "Endurance"	ROYAL NAVY	SIMRAD EM-3000	2004
JAMES CLARK ROSS	NERC / BRITISH ANTARCTIC SURVEY	SIMRAD EM-120 (1x1)	2000
SCOTIAN SHORE	MARITIME SURVEYS LTD	RESON SEABAT 8160	2001
HMS SCOTT	ROYAL NAVY	SASS IV	1997
SEA EXPLORER	GARDLINE SURVEYS LTD	SIMRAD EM-1000	1996
SEA PROFILER	GARDLINE SURVEYS LTD	SIMRAD EM-1000	1996
SEA SURVEYOR	GARDLINE SURVEYS LTD	SIMRAD EM-12, EM-950	1999
SEA TRIDENT	GARDLINE SURVEYS LTD	SEABEAM 1050 MW	1999
	ALLUVIAL MINING COMPANY	RESON SEABAT	
	ANDREWS SURVEYS LTD	GEOSWATH	
	ASHTeAD TECHNOLOGY LTD	RESON SEABAT 8125 (5 systems)	2000, 2004
	ASHTeAD TECHNOLOGY LTD	RESON SEABAT 8160	
	ASHTeAD TECHNOLOGY LTD	RESON SEABAT 9001-600 (2 systems)	
	ASHTeAD TECHNOLOGY LTD	RESON SEABAT 8101-300	2000
	ASHTeAD TECHNOLOGY LTD	RESON SEABAT 9001S-350 (2 systems)	
	ASSOCIATED BRITISH PORTS	RESON SEABAT	
	BARROW IN FURNESS PORT AUTHORITY	RESON SEABAT	
	BRITISH PETROLEUM	RESON SEABAT	
	CABLE AND WIRELESS MARINE, LTD	RESON SEABAT	
	CALEDONIAN GEOTECH	RESON SEABAT	
	CARDIFF UNIVERSITY	RESON SEABAT	
	CFAS	SIMRAD EM-3000d	2002

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	CHEVRON OIL COMPANY	RESON SEABAT	
	COFLEXIP STENA OFFSHORE	RESON SEABAT	
	CLYDESIDE SURVEYS LTD	RESON SEABAT 8125 (2 systems)	2001
	DONALD CAMERON	RESON SEABAT	
	DRA	RESON SEABAT	
	EGS SERVICES	RESON SEABAT	
	EMU LTD	RESON SEABAT 8101	2005
	ENTERPRISE OIL LIMITED	RESON SEABAT	
	ENVIRONMENT AGENCY	RESON SEABAT 8125	2005
	ENVISON, LTD	GEOSWATH	
	EUROPEAN MARINE CONTRACTORS	RESON SEABAT 9001S-350 (2 systems)	
	FATHOMS LIMITED - INTEGRATED SUBSEA SERVICES	RESON SEABAT	
	FLAGSHIP TRAINING LTD	GEOSWATH	
	FUGRO-UDI LTD	RESON SEABAT	
	GARDLINE SURVEYS LTD	RESON SEABAT	
	GEOCONSULT	OMNITECH ECHOSCOPE 1600	
	GSE RENTALS-SCOTLAND	GEOSWATH	
	GSE RENTALS	RESON SEABAT	
	HARWICH HARBOUR AUTHORITY	RESON SEABAT 9001-350 (2 systems)	
	HERIOT-WATT UNIVERSITY	RESON SEABAT	
	HMB SUBWORK LTD.	RESON SEABAT	
	J.P. KENNY	RESON SEABAT	
	MAFF - MARINE LABORATORY	RESON SEABAT	
	MARCONI-UDI	RESON SEABAT	
	McDERMOTT MARINE CONSTRUCTION	RESON SEABAT	
	MORRISON-McLEAN ASSOCIATES	RESON SEABAT	
"Reserve"	MINISTRY OF DEFENCE	ATLAS FANSWEEP-20-200	1997
	NETSURVEY	RESON SEABAT 8101, 8111, 8124, 8125, 8160	
	NETSURVEY	SIMRAD EM-3000	
	NETSURVEY	SEABEAM 1180	
	NORCOM TECHNOLOGY, LTD	RESON SEABAT	
	OCEANEERING	RESON SEABAT	
	OCEANSCAN, LTD	SIMRAD EM-3000 (LEASE)	1996
	OCEANSCAN, LTD	RESON SEABAT 8101, SEABAT 8111	1998, ?
	OCEANTEAM	RESON SEABAT	
	OCTOPUS MARINE SYSTEMS	ELAC BCC 180 kHz Mk II (2 sys)	1996, 1997
	OCTOPUS MARINE SYSTEMS	SEABEAM ELAC 1180	
	OCTOPUS MARINE SYSTEMS	OMNITECH ECHOSCOPE 1600	
	OSAE	RESON SEABAT 9001-350 (2 systems)	
	OSAE	RESON SEABAT 9001-500 (2 systems)	
	OSIRIS LTD	GEOSWATH	
	OSPREY LEASING, LTD	SIMRAD EM-3000	1996
	PORT OF LONDON	RESON SEABAT 8101	2005
	PORT OF TYNE	RESON SEABAT 8101	2005

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	RACAL SURVEY LTD	RESON SEABAT	
	RACAL SURVEY LTD	SEABEAM 1050 D (2 sys.) upgrad 1998	1996, 1997
	RACAL SURVEY LTD	SEABEAM 1180 (2 systems) upgrad1998	1996, 1997
	ROSS OFFSHORE	RESON SEABAT	
	ROYAL NAVY	RESON SEABAT	
	ROYAL NAVY TRAINING SCHOOL	SIMRAD EM-3000	2001
	SAGA OIL AND GAS	RESON SEABAT	
	SCANTRON LTD / EIVA	RESON SEABAT 9001-350 (2 systems)	
	SEATRONICS LTD	GEOSWATH	
	SEATRONICS LTD	RESON SEABAT 9001	
	SHELL UK	GLORIA (system retired)	
	SONSUB	RESON SEABAT	
	SONAR EQUIPMENT SERVICES	GEOSWATH	
	STENA OFFSHORE	RESON SEABAT	
	STOLT-COMEX SEAWAY	RESON SEABAT	
	SUBSEA OFFSHORE	RESON SEABAT 9001-500	
	SUBSEA SURVEY	RESON SEABAT	
	SVITZER LTD. / BRITSURVEY	RESON SEABAT	
	TOTAL OIL	RESON SEABAT	
	UDI LTD	RESON SEABAT	
	UNDERWATER EXCAVATION INTERNATIONAL LTD	RESON SEABAT	
	WIMPOL LIMITED	RESON SEABAT	
<b>UNITED STATES OF AMERICA</b>			
<b>NOAA/NOS/CS/NEFSC</b>			
R/V AHI (F2505)	NOAA/PIF/SC/HL	RESON SEABAT 8101 ER	2003
S/V BAY HYDROGRAPHER (S-5501)	NOAA/NOS/COAST SURVEY	RESON SEABAT 9001, SEABAT 8125	1997, 2002
NOAAS DAVIDSON (Decommissioned)	NOAA/OMAO	HYDROCHART	(ret '89)
NOAAS DISCOVERER (Decommissioned)	NOAA/OMAO	SEABEAM	1986 (ret. '96)
NOAAS FAIRWEATHER (S-220)	NOAA/OMAO	RESON SEABAT 8111ER, RESON SEABAT 8160	2004
FAIRWEATHER FA-1018(FA1018)	NOAA/OMAO	RESON SEABAT 8101ER	2004
FAIRWEATHER FA-1010 (FA1010)	NOAA/OMAO	RESON SEABAT 8181ER	2004
R/V GLORIA MICHELLE	NOAA/NEFSC	SIMRAD EM-3002	2005
NOAAS HECK (Decommissioned)	NOAA/OMAO	RESON SEABAT 9001	1992 (ret. '95)
NOAAS HI'IALAKAI (R-334)	NOAA/NMAO	SIMRAD EM3002D, EM300	2005
NOAAS MT MITCHELL (Decommissioned)	NOAA/OMAO	SEABEAM	1987 (ret. '95)
NOAAS OSCAR DYSON (R-224)	NOAA/NMAO	SIMRAD SM2000 (to be updated to SM20)	2004
NOAAS RAINIER (S-221)	NOAA/OMAO	SEABEAM 1050D	1999
RAINIER RA-3 (RA1021)	NOAA/OMAO	RESON SEABAT 8101 ER	2000
RAINIER RA-4 (RA1016)	NOAA/OMAO	SEABEAM 1180, RESON SEABAT 8125	2000, 2002
RAINIER RA-5 (RA1006)	NOAA/OMAO	RESON SEABAT 8101 ER	2001
RAINIER RA-6 (RA1015)	NOAA/OMAO	SEABEAM 1180, RESON SEABAT 8125	1998
NOAAS RONALD H. BROWN (AGOR-26)	NOAA/OMAO	SEABEAM 2112A	1997
NOAAS RUDE (590)	NOAA/OMAO	RESON SEABAT 9003, SEABAT 8125	1994, 2002

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RUDE LAUNCH (RU1419)	NOAA/OMAO	RESON SEABAT 8124	2003
NOAAS SURVEYOR (Decommissioned)	NOAA/NOS	SEABEAM	1979 (ret. '95)
NOAAS THOMAS JEFFERSON (ex-Littlehales)	NOAA/OMAO (transferred from NAVOCEANO 2003)-see below	SIMRAD EM-100, EM-1002	1991, 2003
JEFFERSON LAUNCH (TJ1005)	NOAA/OMAO	RESON SEABAT 8101ER	1998
JEFFERSON LAUNCH (TJ1014)	NOAA/OMAO	RESON SEABAT 8125	2002
NOAAS WHITING (Decommissioned)	NOAA/OMAO	SIMRAD EM 1002	2002 (ret. 2003)
WHITING 1005 (to Th Jefferson)	NOAA/OMAO	RESON SEABAT 8101 ER	1998 (ret. 2003)
WHITING 1014 (to Th Jefferson)	NOAA/OMAO	RESON SEABAT 8125	2002 (ret. 2003)
NAV RESPONSE TEAM 5	NOAA/NOS/COAST SURVEY	SIMRAD EM 3000	2004
NAV RESPONSE TEAM 6	NOAA/NOS/COAST SURVEY	SIMRAD EM 3000	2004
NAV RESPONSE TEAM 7	NOAA/NOS/COAST SURVEY	RESON SEABAT 8125	2005
<b>US ARMY CORPS OF ENGINEERS</b>			
	ANCHORAGE	RESON SEABAT 9001-350	
	BALTIMORE	ODOM ECHOSCAN	1998
	BUFFALO	RESON SEABAT 9001-350	
	CHICAGO	RESON SEABAT 9001-350	
	DETROIT	RESON SEABAT 9001S-350	
	GALVESTON	RESON SEABAT 9001-350	
	GALVESTON	ODOM ECHOSCAN (2 systems)	1998
	JACKSONVILLE	RESON SEABAT 9001-350	
	LOS ANGELES	RESON SEABAT 9001-350	
	LOS ANGELES	ATLAS FANSWEEP 20-200	2001
EASTERN	LOUISVILLE	RESON SEABAT 9001-350	
	MEMPHIS	RESON SEABAT 9001-350	
	MOBILE	RESON SEABAT 9001-350	
S/V IRVINGTON	MOBILE	RESON SEABAT 8125, RESON SEABAT 8128	2002
	NEW ENGLAND	RESON SEABAT 9001-350	
S/V MORITZ	NEW YORK	RESON SEABAT 8101-300 (2 systems)	2003
	NEW YORK	ODOM ECHOSCAN	1998
	NORFOLK	RESON SEABAT 8101-300	
	PORTLAND	RESON SEABAT 8101-300	
	SAN FRANCISCO	RESON SEABAT 8101-300	
	SAULT ST. MARIE	RESON SEABAT 8101-300	
	SAVANNAH	RESON SEABAT 8101-300	
	SAVANNAH	RESON SEABAT 8125	2002
	SEATTLE	RESON SEABAT 8101-300	
	SEATTLE	ELAC SEABEAM 1185/TEI ISIS	2001
	ST. LOUIS	RESON SEABAT 8101-300	
	TULSA	RESON SEABAT 8101-300	
	VICKSBURG	RESON SEABAT 8101-300	
	WALLA WALLA	RESON SEABAT 8101-300	
	WATERWAYS EXPERIMENT STATION	RESON SEABAT 8101-300	
	WILMINGTON	RESON SEABAT 8101-300	

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<b>US COAST GUARD</b>			
USCGC HEALY (WAGB-20) (Icebreaker)	US COAST GUARD	SEABEAM 2112 (Ice)	1999
	US COAST GUARD	RESON SEABAT	
<b>US ENVIRONMENTAL PROTECTION AGCY</b>			
	USEPA	RESON SEABAT	
<b>US FISH AND WILDLIFE SERVICE</b>			
	USFWS	RESON SEABAT	
<b>US GEOLOGICAL SURVEY</b>			
	USGS - Woods Hole	SUBMETRIX 2000 - 234kHz	2001
<b>US NATIONAL BIOLOGICAL SERVICE</b>			
	USNBS	RESON SEABAT	
<b>US NAVY / MSC OPERATED</b>			
USNS BOWDITCH (TAGS-21)	NAVOCEANO (Decommissioned)	SASS	1964 (retired )
USNS BOWDITCH (TAGS-62)	NAVOCEANO	SIMRAD EM-121A (1° system), EM-1002	1995, 1998
USNS SILAS BENT (TAGS-26)	NAVOCEANO (Decommissioned)	SEABEAM (to Turkey-TCG CESNEI)	1989 (retired '99)
USNS BRUCE HEEZEN (TAGS-64)	NAVOCEANO	SIMRAD EM-121A (1° sys) / EM-1000, EM-1002	1999, 1997, 2000
SURVEY LAUNCH 34011	NAVOCEANO	SIMRAD EM-3000	1999
SURVEY LAUNCH 34012	NAVOCEANO	SIMRAD EM-3000	1999
USS DUTTON (TAGS-22)	NAVOCEANO (Decommissioned)	SASS	1964 (retired)
USNS MATTHEW HENSON (TAGS-63)	NAVOCEANO	SIMRAD EM-121A (1° system), EM-1002	1995, 1998
SURVEY LAUNCH #34009	NAVOCEANO	SIMRAD EM-3000	1999
SURVEY LAUNCH #34010	NAVOCEANO	SIMRAD EM-3000	1999
USNS HARRY HESS (TAGS-28)	NAVOCEANO (Decommissioned)	SASS	1965 (retired '90)
USNS ELISHA KENT KANE (TAGS-27)	NAVOCEANO (Decommissioned)	SEABEAM	1989 (retired '92)
USNS LITTLEHALES (TAGS-52)	NAVOCEANO (trans to NOAA 2003, renamed NOAAAS Th Jefferson)	SIMRAD EM-100, EM-1002	1991, 1999
USNS MATTHEW F MAURY (TAGS-39)	NAVOCEANO (Decommissioned)	SASS IV (to California Maritime Academy)	1989 (ret '94)
USNS JOHN MCDONNELL (TAGS-51)	NAVOCEANO	SIMRAD EM-100, EM-1002	1990, 2000
SURVEY LAUNCH #34013	NAVOCEANO	SIMRAD EM-3000	2000
SURVEY LAUNCH #34014	NAVOCEANO	SIMRAD EM-3000	2000
USNS MIZAR (TAGOR-11)	NAVOCEANO (Decommissioned)	SEABEAM	(ret '90)
USNS ALBERT MYER (T-ARC-6)	NAVOCEANO	SEABEAM	1992
USNS NEPTUNE (T-ARC-2)	NAVOCEANO (Decommissioned)	SEABEAM	(ret '91)
USNS OBSERVATION ISLAND	NAVOCEANO	SASS	1964 (retired)
USNS PATHFINDER (TAGS-60)	NAVOCEANO	SIMRAD EM-121A (1° system), EM-1002	1994, 1999
USNS MARY SEARS (TAGS-65)	NAVOCEANO	SIMRAD EM-121A (1° system), EM-1002	2000
USNS SUMNER (TAGS-61)	NAVOCEANO	SIMRAD EM-121A (1° system), EM-1002	1995, 1999
USNS TANNER (TAGS-40)	NAVOCEANO (Decommissioned)	SASS IV (to Maine Maritime Academy)	1990 (ret '93)
USNS WATERS (TAGS-45)	NAVOCEANO	SEABEAM	1992
USNS WILKES (TAGS-33)	NAVOCEANO / SPAWAR	SEABEAM (to Tunisia)	(retired '95)
USNS WYMAN (TAGS-34)	NAVOCEANO (Decommissioned)	SASS IV/BOTASS	1989 (retired '99)
USNS ZEUS (T-ARC-7)	MILITARY SEALIFT COMMAND	SIMRAD EM-121	1993

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R/V LANEY CHOUEST	NAVOCEANO	SEABEAM	1988
SEA LION / ORCA	COMSUBDEVGRU 1	SIMRAD EM-950	1994
ORCA I (ROV)	NAVOCEANO	SIMRAD EM-950	1994
ORCA II (ROV)	NRL	SIMRAD EM-950	1994
	NAVAL FACILITIES ENGINEERING COMMAND	SIMRAD EM-3000	1998
	NAVAL FACILITIES ENGINEERING COMMAND	RESON SEABAT	
	NAVOCEANO (HYCOOP)	RESON SEABAT 8101 94 systems)	2001 (2) 2002 (2)
SURVEY LAUNCH 34006	NAVOCEANO	SIMRAD EM-3000	1998 (storage)
SURVEY LAUNCH 34007	NAVOCEANO	SIMRAD EM-3000	1998 (storage)
SURVEY LAUNCH 34008	NAVOCEANO	SIMRAD EM-3000	1998 (storage)
SURVEY LAUNCH 34015	NAVOCEANO	SIMRAD EM-3000	2001
SURVEY LAUNCH 34016	NAVOCEANO	SIMRAD EM-3000	2001
	NAVOCEANO (FLEET SURVEY TEAM)	RESON SEABAT 8125	2002
SEAHORSE AUV	NAVOCEANO	SIMRAD EM-3000D	2003
	NAVOCEANO (BERTRAM TRAINING VESSEL)	SIMRAD EM-3000	2001
	NRL	RESON SEABAT 9001-350 (2 systems)	
	NUWC-KEYPORT WA	SIMRAD SM 2000/Triton-Elics HS150	2001
	USN EXPLOSIVES ORDINANCE DISPOSAL CTR-INDIAN HEAD, MD	SIMRAD SM-2000 (4 systems)	2000
<b>US RESEARCH INSTITUTIONS</b>			
ATLANTIS (AGOR-25)	WOODS HOLE OCEANOGRAPHIC INSTITUTION	SEABEAM 2112A (Ice)	1995
ATLANTIS II	WOODS HOLE OCEANOGRAPHIC INSTITUTION	SEABEAM	1983
BELLOWS	UNIVERSITY OF FLORIDA	SIMRAD EM-3000	1998
ROBERT CONRAD (AGOR-3)	LAMONT-DOHERTY EARTH OBSERVATORY	SEABEAM	1984 (retired '89)
MAURICE EWING	LAMONT-DOHERTY EARTH OBSERVATORY	ATLAS HYDROSWEPT	1990
KA'IMIKAI O KANILOA	UNIVERSITY OF HAWAII	SEABEAM 2100	
KILO MOANA (AGOR-26) SWATH VESSEL	UNIVERSITY OF HAWAII	SIMRAD EM-120 (1°x2°), EM-1002	2001
KNORR (AGOR-150)	WOODS HOLE OCEANOGRAPHIC INSTITUTION	SEABEAM 2112	1994
MELVILLE (AGOR-14)	SCRIPPS INST OF OCEANOGRAPHY	SEABEAM 2000	1992
MOANA WAVE (AGOR-22)	UNIVERSITY OF HAWAII	MR 1 (SEAMARC 1)	
NATHANIEL PALMER (Icebreaker)	NSF/EDISON CHOUEST, ASA	SIMRAD EM120/ (ICE) (1°x2°)	2002
ONRUST	MARINE SCIENCE RESEARCH CTR-(SUNY)-STONYBROOK	SIMRAD EM-3000	1998
ROGER REVELLE (AGOR-24)	SCRIPPS INST OF OCEANOGRAPHY	SEABEAM 2112A (replaced: 2000)	1995
ROGER REVELLE (AGOR-24)	SCRIPPS INST OF OCEANOGRAPHY	SIMRAD EM-120 (2x2) / EM-1002	2000, 2001
THOMAS THOMPSON (AGOR-23)	UNIVERSITY OF WASHINGTON	SIMRAD EM-300 (1°x1°)	2002
THOMAS WASHINGTON (AGOR-10)	SCRIPPS INST OF OCEANOGRAPHY	SEABEAM (to Chile)	1981 (retired '92)
	WOODS HOLE OCEANOGRAPHIC INSTITUTION	RESON SEABAT	
<b>US STATE AGENCIES</b>			
	ALASKA FISHERIES	RESON SEABAT	
	COUNTY OF ORANGE, CALIFORNIA	RESON SEABAT 8124	2002
	HAWAII UNDERSEA RESEARCH LABORATORY	RESON SEABAT	
	MISSOURI DEPT OF TRANSPORTATION	RESON SEABAT	
	NEVADA WATER AUTHORITY	RESON SEABAT	

<b>US COMMERCIAL OPERATORS</b>			
BEACON	MAREX MARINE	????	
CAPTAIN PETE	WEEKS MARINE	ODOM ECHOSCAN	2001
COASTAL SURVEYOR	C&C TECHNOLOGIES (to NOAA/UNH CCOM-2002)	SIMRAD EM-3000D (portable)	1999
DAVIDSON	OCEAN SERVICES LLC	RESON SEABAT 8150-F	2000
DIAMOND REEF	GREAT LAKES DREDGE AND DOCK	ATLAS FANSWEEP-20-200	1998
ROBERT I ENGLE	HANSON PROFESSIONAL SERVICES INC	RESON SEABAT 9001S-350	1996
EDISON CHOUEST	CHOUEST	SEABEAM 1050/ER	1997
FALCON EXPLORER	PGS, HOUSTON	SEABEAM 2112A	1997
FUGRO AUV	FUGRO	SIMRAD SM 2000E	2002
HS AUTOSUB	HALLIBURTON SUBSEA	SIMRAD EM 2000	2002
HUGIN 3000 (AUV)	C&C TECHNOLOGIES	SIMRAD EM-2000, EM-2000 (SPARE)	2000
HUGIN 3000 (AUV) ii	C&C TECHNOLOGIES	SIMRAD EM-2000	2005
HUGIN 4500	C&C TECHNOLOGIES	SIMRAD EM-2000 (?)	2005
INEZ McCALL	C&C TECHNOLOGIES	SIMRAD EM-3000D (portable)	1999
INLAND SURVEYOR	C&C TECHNOLOGIES	SIMRAD EM-950 (portable)	1993
MERLION	C&C TECHNOLOGIES	SIMRAD EM-12S	1997
NEUVILLE	GREAT LAKES DREDGE AND DOCK	ATLAS FANSWEEP-20	2000
NORTELLA	BELL GEOSPACE	SIMRAD EM-3000 (2°x4°); EM-950,	1997
NORTHERN RESOLUTION	C&C TECHNOLOGIES	SIMRAD EM-120	2005
OCEAN ALERT (retired 2001)	C&C TECHNOLOGIES	SIMRAD EM-300 (1X2°)	1997 (retired 2001)
OCEAN EXPLORER	SCIENCE APPLICATIONS INTERNATIONAL CORP.	RESON SEABAT	
OCEAN EXPLORER	PGS, HOUSTON	SIMRAD EM-300 (1°X2°)	1998
OCEAN SURVEYOR	C&C TECHNOLOGIES	SIMRAD EM-1000 (portable)	1993
S/V SEABAT 1	C&C TECHNOLOGIES	RESON SEABAT 9001SS-350	
ST. JOHN/S RIVER	GREAT LAKES DREDGE AND DOCK	ATLAS FANSWEEP-20-200	2000
SEIS SURVEYOR	JOHN CHANCE AND ASSOCIATES	SEABEAM 2100	1996
SHOAL RUNNER	GREAT LAKES DREDGE AND DOCK	ATLAS FANSWEEP-20-200	1999
SURF SURVEYOR	C&C TECHNOLOGIES	SIMRAD EM-950 (portable)	
	ALASKA FISHERIES	RESON SEABAT	
	ALLIANT TECHSYSTEMS, INC.	RESON SEABAT	
	ALLIED SIGNAL-OCEAN SYSTEMS	ELAC BCC-180kHz	1996
	ALLIED SIGNAL-OCEAN SYSTEMS	RESON SEABAT 9001S-600	
	APPLIED REMOTE TECHNOLOGY-RAYTHEON	RESON SEABAT 9001-350	
	ARC SURVEYING AND MAPPING	SIMRAD EM-300 (2X4°)	1997
	ASHTREAD TECHNOLOGY, INC.	RESON SEABAT 8160	2001
	ASHTREAD TECHNOLOGY, INC.	RESON SEABAT 9001, SEABAT 9001S,	
	ASHTREAD TECHNOLOGY, INC.	RESON SEABAT 9002	
	CH2M HILL	RESON SEABAT	
	CHEVRON USA INC.	RESON SEABAT	
	CHUSTZ SURVEY	RESON SEABAT 8125	2002
	COASTAL SYSTEM STATION	RESON SEABAT	
	C&C TECHNOLOGIES	RESON SEABAT 9001S-350	

\*\*SEABEAM 1180/II and ELAC BCC /II-180 KHz are identical

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	CRA INC.	RESON SEABAT	
	CRA NW	RESON SEABAT	
	CRA-NW	ELAC BCC-180 kHz	1995
	DAVCO	ECHOSCAN	2000
	DAVID EVANS AND ASSOCIATES	RESON SEABAT 9001	
	DIMCO	ODOM ECHOSCAN	2000
	EMC, INC	RESON SEABAT 8101	
	FUGRO USA	SIMRAD EM-2000 (spare)	2001
	FUGRO WEST, INC.	RESON SEABAT	
	GAHAGAN & BRYANT	ODOM ECHOSCAN	1998
	GEO DYNAMICS	SIMRAD EM-3000	2003
	GEORGIA PACIFIC	RESON SEABAT	
	GLOBAL EXPLORERS	RESON SEABAT	
	GOLDER ASSOCIATES	RESON SEABAT	
	GREAT LAKES DREDGE AND DOCK	ATLAS FANSWEEP 20-200	2003
	GUSTIN COTHERN AND TUCKER SURVEYING	ODOM ECHOSCAN	
	HANSON PROFESSIONAL SERVICES INC	RESON 9001	
	INTERNATIONAL INDUSTRIES, INC./RENTMAR	ATLAS FANSWEEP-10	1991
	INTERNATIONAL INDUSTRIES, INC./RENTMAR	ODOM ECHOSCAN	
	INTERNATIONAL INDUSTRIES, INC./RENTMAR	RESON SEABAT	
	JOHN CHANCE AND ASSOCIATES	ELAC BCC-180 kHz	1996
	JOHN CHANCE AND ASSOCIATES	ATLAS FANSWEEP-10	1992
	JOHN CHANCE AND ASSOCIATES	RESON SEABAT 9001-350	
	JOHNSON-McADAMS	RESON SEABAT 9001S-350	
	LOCKHEED MISSILES AND SPACE, INC.	RESON SEABAT	
	MANSON CONSTRUCTION	RESON SEABAT 8125	2002
	MORRIS HEBERT & ASSOCIATES	RESON SEABAT	
	OCEAN SURVEYS INC	RESON SEABAT	
	OCEANEERING TECHNOLOGIES	RESON SEABAT 8101-300	
	OCEANIC IMAGING CONSULTANTS, INC.	RESON SEABAT 8101 (2 systems)	2000
	P.T.I. ENVIRONMENTAL	RESON SEABAT	
	PELAGOS CORPORATION	RESON SEABAT	
	PERRY TECHNOLOGIES	RESON SEABAT	
	PORT OF LOS ANGELES	RESON SEABAT	
	RACAL SURVEY INC.	RESON SEABAT	
	RACAL-NCS	RESON SEABAT 8101-1200	
	RLDA SURVEYING AND MAPPING	ODOM ECHOSCAN (PUERTO RICO)	1998
	ROGERS SURVEYING	RESON SEABAT 8101	2000
	ROWE ENGINEERING	ATLAS FANSWEEP 20-200	2003
"DEMO"	SCIENCE APPLICATIONS INTERNATIONAL CORP.	SIMRAD EM-3000	1997
	SCIENTIFIC SERVICES, INC.	RESON SEABAT	
	SEAFLOOR SURVEYS INTERNATIONAL / FUGRO	RESON SEABAT	
	SEAFLOOR SYSTEMS INC	SEABEAM 1180	2002
	SEARCH AND SURVEY, INC	RESON SEABAT	

\*\*SEABEAM 1180/II and ELAC BCC /II-180 KHz are identical



	SEA VISUAL, INC.	RESON SEABAT 8101	
	SOLUS SCHALL	RESON SEABAT	
	SQUIRE ASSOCIATES	RESON SEABAT	
	SUMMIT TECHNOLOGIES	RESON SEABAT	
	SURVEY EQUIPMENT SERVICES, INC.	RESON SEABAT	
	TERRA SURVEYS, LLC.	RESON SEABAT	
ROV	THALES GEOSLOUTIONS	SIMRAD EM-2000	2003
	THALES GEOSLOUTIONS (PACIFIC) INC	RESON SEABAT 8111, 8150	2002
	TRITON ELICS INTERNATIONAL INC.	RESON SEABAT	
	VERNON F MEYERS & ASSOCIATES	RESON SEABAT	
	WILLIAMSON & ASSOCIATES INC.	RESON SEABAT	
<b>URUGUAY</b>			
S/V OYURVIDE	SERVICIO DE OCEANOGRAFIA, HIDROGRAFIA Y METEOROLOGIA	SEABEAM 1180	1998
LANCHA HIDROGRÁFICA TRIESTE	SERVICIO DE OCEANOGRAFIA, HIDROGRAFIA Y METEOROLOGIA	SEABEAM 1180	2001
<b>VENEZUELA</b>			
	NAVY HYDROGRAPHIC OFFICE	SEABEAM 1050D	2002
<b>YUGOSLAVIA</b>			
BGD-C 30	SAVEZNA JAVNA USTANOVA	ATLAS FANSWEEP-20-200	2001
<b>VESSEL NAME</b>	<b>OPERATOR</b>	<b>SYSTEM</b>	<b>INSTALL YR</b>