



BALLAST WATER MANAGEMENT SYSTEM

GIOEn-Patrol™

REFERENCE LIST

1th. Feb. 2017

OVERVIEW

NO	SHIP'S TYPE	CONTRACTED	DELIVERED
1	TANKER (EXPLOSION PROOF TYPE)	204	159
2	BULK CARRIER	193	168
3	CONTAINER	196	169
4	GENERAL CARGO SHIP & MULTI PURPOSE CARRIER	63	60
5	RO-RO SHIP	24	24
6	OFFSHORE & SUPPORT VESSEL	60	55
7	DRILLSHIP	15	15
8	LNG/LPG CARRIER	87	76
9	SPECIAL SHIP	32	22
10	RETROFIT	143	22
TOTAL		1,017 Ships	770 Ships

TANKER (EXPLOSION PROOF TYPE)



* First in the world, Explosion proof type DNV ATEX approved.

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELIVERED
81	central mare	50K MR TANKER	HMD	S443	1	LR	750 x 2 350 x 1	
80	KSS LINE	3.5K OIL/CHEMICAL TANKER	DAESUN	SB616/7/8	3	KR	500 X 1	
79	SHANGHAI DINGHENG SHIPPING	8500DWT CHEMICAL TANKER	TONGBAO SHIPYARD	TB850003 / TB850004	2	ABS	500 x 2	
78	JAPANESE OWNER	35K CHEMICAL TANKER	SHINKURU SHIMA DOCK YARD	S5940,5938	2	NK	700 x 2	
77	VITERLEF COMPANY LIMITED	50K MR TANKER	BRODOTROGIR	NB329/30	2	DNV GL	750 x 2	
76	VIETNAM OWNER	13.5K OIL TANKER	HOANG GIA	SC-5087G1/T210	1	VR	700 x 1	
75	NSB	74K OIL TANKER	Jiangsu Hantong SY	HT-OT74-007/8/9	3	LR	2000 x 1	
74	JAPANESE OWNER	50K PRODUCT TANKER	JMU	S5142/S5143/S5144/S5145/ S5150/S5151/S5158/S5159	8	NK	900 x 2 500 x 1	
73	JAPANESE OWNER	50K CHEMICAL TANKER	MINAMINIPPON SHIPBUILDING	M759/760/765/766/767/768	6	NK	700 x 2 350 x 1	3
72	PCL(Singapore)	17.5K CHEMICAL TANKER	Paxocean Zhoushan	H1018/9	2	ABS	350 x 2	1
71	JAPANESE OWNER	38K CHEMICAL TANKER	KITANIHON	S636/638	2	NK	1000 x 1	
70	AVIC Dingheng SY	37K ASPHALT CARRIER	AVIC Dingheng SY	AD0038	1	BV	500 x 2	
69	EUROPEAN OWNER	21K CHEMICAL TANKER	KITANIHON	S632/S635	2	NK	700 x 1	
68	EUROPEAN OWNER	19K CHEMICAL TANKER	KITANIHON	S637/S650	2	NK	700 x 1	
67	OMC Shipping	50K MR TANKER	HMD	S435/36	2	NK	1500 x 1 350 x 1	2
66	D'AMICO	74K LR TANKER	HMD	S429/S430/S431/S432/S433 /S434	6	ABS	1000 x 2 300 x 1	1
65	EUROPEAN OWNER	12.5K CHEMICAL TANKER	USUKI ZOSEN	S1754/S1755/S1757/S1758	4	NK	250 x 2	2
64	SINOKOR	74K PC TANKER	STX	S1741/S1742/S1743/S1744	4	DNV GL KR	1000 x 2 500 x 1	3
63	PHANTEON TANKER	159K CRUDE OIL TANKER	HHI	H2836/H2837	2	DNV	2500 x 2 250 x 1	2
62	JAPANESE OWNER	22K CHEMICAL TANKER	SHIN KURUSHIMA	S5925	1	NK	350 x 2	1
61	CENTRAL MARE	50K PC TANKER	HMD	S427	1	ABS	750 x 2 350 x 1	1
60	TANKERSKA	50K MR TANKER	SPP	S5065	1	BV	750 x 2 350 x 1	1
59	JAPANESE OWNER	25K CHEMICAL TANKER	KITANIHON SHIPBUILDING	S628/S631	2	NK	1000 x 1	
58	TMS(CARDIFF)TANKERS	50K MR TANKER	SPP	S1179/S1180	2	NK	750 x 2 350 x 1	2
57	JAPANESE OWNER	35K CHEMICAL TANKER	SHIN KURUSHIMA	S5890/S5891/S5861	3	NK	700 x 2	3
56	JAPANESE OWNER	22K CHEMICAL TANKER	SHIN KURUSHIMA	S5871/S5898	2	BV	350 x 2	2
55	JAPANESE OWNER	22K CHEMICAL TANKER	SHIN KURUSHIMA	S5868/S5887	2	NK	700 x 1	2
54	JAPANESE OWNER	45K CHEMICAL TANKER	MINAMI NIPPON	M749/S751	2	NK	700 x 2 350 x 1	2
53	JAPANESE OWNER	50K CHEMICAL TANKER	MINAMI NIPPON	M750/M752/M755	3	NK	700 x 2 350 x 1	3
52	BRODOTROGIR D.D	49.5K MR TANKER	BRODOTROGIR D.D	NB325/326	2	LR	1500 x 1	2
51	GESTION	50K PC TANKER	HMD	H2455/2456	2	ABS	750 x 2 300 x 1	2
50	JAPANESE OWNER	19.9K CHEMICAL TANKER	FUKUOKA SHIPBUILDING	N2068	1	NK	500 x 1	1

49	TERNTANK	15K CHEMICAL TANKER	AVIC Dingheng SY	AD0057/AD0058	2	DNV	1200 x 1	2
48	EUROPEAN OWNER	19.9K CHEMICAL TANKER	KITANIHON	S602/603/605/606/607/608/ 610/611/612/615 /616/621	12	NK	700 x 1	12
47	OIL BANK	13K PC TANKER	HMD	H2470	1	KR	150 x 1	1
46	TERNTANK	15K CHEMICAL TANKER	AVIC Dingheng SY	AD0024/AD0025	2	DNV	1200 x 1	2
45	PERTAMINA	17.5K PC TANKER	PT ANGGREK HITAM	AH037/8	2	NK	700 x 1 150 x 1	2
44	INTERMED	50K PC TANKER	HMD	S412/413	2	LR	750 x 2 300 x 1	2
43	D'AMICO	50K PC TANKER	HMD	S424/425	2	RINA	750 x 2 300 x 1	2
42	JAPANESE OWNER	19.9K CHEMICAL TANKER	USUKI SHIPYARD	S1747/1748	2	BV	300 x 2	2
41	SARGEANT MARINE	37K ASPHALT CARRIER	AVIC Dingheng SY	AD0019	1	BV	500 x 2	1
40	JAPANESE OWNER	22K CHEMICAL TANKER	SHIN KURUSHIMA	S5822/5823	2	NK	700 x 1	2
39	STOLT-NIELSEN SHIP FINANCE LTD	38K CHEMICAL TANKER	HUDONG ZHONGHUA	H1712A	1	DNV	500 x 2	1
38	CENTRAL MARE	39K PC TANKER	HMD	S418/9	2	ABS	750 x 2 250 x 1	2
37	D'AMICO	40K PC TANKER	HMD	S420/1/2/3	4	RINA	750 x 2 250 x 1	4
36	JAPANESE OWNER	12.5K CHEMICAL TANKER	FUKUOKA SHIPBUILDING	F1303	1	NK	300 x 1	1
35	CROWLEY	50K PC TANKER	HMD	H1021/2/3/4/5/6/7/8	8	ABS	750 x 2 300 x 1	8
34	CENTRAL MARE	50K PC TANKER	HMD	S414/417	2	KR	750 x 2 300 x 1	2
33	STOLT TANKERS	38K CHEMICAL TANKER	HUDONG ZHONGHUA	H1707A/08A/09A/10A/11A	5	DNV	500 x 2	5
32	DONG-A TANKER	50K PC TANKER	HMD	H2447	1	KR	750 x 2 300 x 1	1
31	JAPANESE OWNER	30K PRODUCT TANKER	MINAMINIPPON	M742/743/744/745/746	5	NK	500 x 2 250 x 1	5
30	EUROPEAN OWNER	19.8K CHEMICAL TANKER	KITANIHON	H566/567/568/570/571	5	NK	700 x 1	5
29	D'AMICO	50K PC TANKER	HMD	S408/9/10/11	4	RINA	750 x 2 300 x 1	4
28	CENTRAL MARE	50K PC TANKER	HMD	S406/407	2	DNV	750 x 2 300 x 1	2
27	JAPANESE OWNER	79K PC TANKER	ONOMICHI DOCKYARD	S570 / S596	2	NK	1,200 x 2 500 x 1	2
26	JAPANESE OWNER	ASPHALT TANKER	SHIN KURUSHIMA	S5798	1	NK	500 x 1	1
25	WILMAR	50K PC TANKER	HMD	S404/5	2	BV	750 x 2 300 x 1	2
24	D'AMICO	50K PC TANKER	HMD	H2387/8	2	RINA	750 x 2 300 x 1	2
23	JAPANESE OWNER	8.7K CHEMICAL TANKER	ASAKAWA ZOSEN	S590	1	NK	250 x 2	1
22	D'AMICO	50K PC TANKER	HMD	H2407/8	2	RINA	750 x 2 300 x 1	2
21	D'AMICO	40K PC TANKER	HMD	H2385/6	2	RINA	750 x 2 300 x 1	2
20	MARUTA	50.3K PC TANKER	SPP	H4100/1	2	NK	750 x 2 300 x 1	2
19	JAPANESE OWNER	25K CHEMICAL TANKER	ASAKAWA ZOSEN	S610/11	2	NK	250 x 2	2
18	KOTC	320K VLCC TANKER	DSME	H5389/90/91/92	4	NK	3,000 x 2 500 x 1	4
17	KOTC	110K AFRAMAX TANKER	DSME	H5393	1	NK	2,000 x 2 750 x 1	1
16	KOTC	47K PC TANKER	HMD	H2326/7/8/9	4	NK	1,000 x 2 300 x 1	4

15	ASIAN OWNER	50K PC TANKER	ONOMICHI DOCKYARD	569	1	NK	800 x 2 500 x 1	1
14	BETONIX	52K PC TANKER	SUNGDONG	S3063	1	NK	800 x 2 350 x 1	1
13	SOCATRA	50K PC TANKER	HMD	H2340/1	2	BV	750 x 2	2
12	DISTRIBUIDORA MARITIMA PETROGAS	7K ASPHALT TANKER	LONGHE	LH1059	1	KR	300 x 2	1
11	ABC MARITIME	7,5K CHEMICAL TANKER	AVIC Dingheng SY	GHCY 7500-07/08	2	BV	300 x 2 150 x 1	2
10	OIL BANK	3.6K MOLTEN SULPHUR TANKER	HMD	H2356	1	KR	500 x 1	1
9	PEMEX	50K PC TANKER	SPP	S5112/3/4	3	DNV	750 x 2 300 x 1	3
8	SOCATRA	50K PC TANKER	SPP	H4079	1	BV	750 x 2 300 x 1	1
7	GEARBULK	19K ASPHALT TANKER	HMD	H2324/5	2	DNV	250 x 2	2
6	ZODIAC	19.8K CHEMICAL TANKER	KITANIHON	531/33/38/56/60/62/65/73	8	NK	700 x 1	8
5	JAPANESE OWNER	21K CHEMICAL TANKER	ASAKAWA ZOSEN	603/5/6	3	NK	500 x 1	3
4	JAPANESE OWNER	19.9K CHEMICAL TANKER	USUKI SHIPYARD	1730	1	NK	300 x 2 250 x 1	1
3	JAPANESE OWNER	25K CHEMICAL TANKER	SHIN KURUSHIMA	S5713	1	BV	500 x 2	1
2	PDVSA	113K CRUDE OIL TANKER	SADRA	H85505/6/7/8	4	GL	2,000 x 1 300 x 1	2
1	JAPANESE OWNER	12K CHEMICAL TANKER	MIURA	1358	1	NK	350 x 1	1
TOTAL				204 Ships (Contracted)		159 Ships (Delivered)		

BULK CARRIER

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
83	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	SH629	1	NK	700 x 2	
82	JAPANESE OWNER	COAL CARRIER	KANDA SHIPBUILDING	S577	1	NK	250 x 1	
81	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	S879, S880	2	NK	700 x 1 500 x 1	1
80	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	SA115	1	ABS	700 x 1 500 x 1	
79	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	SA111	1	NK	700 x 2	1
78	LOMAR SHIPPING	64K BULK CARRIER	ZHOUSHAN COSCO	N597	1	LR	1000 x 1	
77	SINO ASIA SHIPPING	39K BULK CARRIER	JIANGMEN NANYANG SY	JNS152/JNS153/JNS154 /JNS155	4	LR	1500 x 1	
76	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	S892	1	NK	700 x 2	1
75	JAPANESE OWNER	33K BULK CARRIER	SHIN KURUSHIMA	S7302	1	NK	750 x 1	1
74	EUROPEAN OWNER	60K BULK CARRIER	MITSUI ENGINEERING & SHIPBUILDING	CS1906/1907/1911/1912	4	ABS	750 x 2	4
73	JAPANES OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	S1709	1	ABS	700 x 2	1
72	JAPANES OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	SH611	1	NK	700 x 2	1
71	JAPANES OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	S874	1	ABS	700 x 2	1
70	ATLANTSKA PLOVIDA	64K BULK CARRIER	QINGSHAN	QS6400-13/QS6400-14	2	BV	900 x 2	

PANASIA BALLAST WATER MANAGEMENT SYSTEM

69	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	SH639	1	NK	700 x 1	1
68	JAPANESE OWNER	58K BULK CARRIER	SHIN KURUSHIMA	S5858/S3693	2	NK	800 x 2	2
67	JAPANESE OWNER	33K BULK CARRIER	SHIN KURUSHIMA	S7297/S7300/S5912	3	NK	750 x 1	3
66	INTERSHIP NAVIGATION	36.5K BULK CARRIER	NTS	0103601/0103602/0103603	3	GL	1,000 x 1	3
65	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	SH614/S1705	2	NK	700 x 2	2
64	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	SH640	1	NK	700 x 2	1
63	JAPANESE OWNER	60K BULK CARRIER	ONOMICHI DOCKYARD	S709/S712	2	NK	900 x 2	2
62	JAPANESE OWNER	60K BULK CARRIER	ONOMICHI DOCKYARD	S711	1	ABS	900 x 2	1
61	JAPANESE OWNER	38K BULK CARRIER	IMABARI SHIPBUILDING	S891	1	NK	700 x 2	1
60	EUROPEAN OWNER	85K BULK CARRIER	SASEBO	S833	1	ABS	1500 x 2	1
59	EUROPEAN OWNER	60K BULK CARRIER	OSHIMA	H10774/H10775/H10776/H10777/H10812/H10813	6	ABS	800 x 2	4
58	MARINE CAPITAL	38K BULK CARRIER	HUATAI	H0022/23/24	3	LR	700 x 2	1
57	SAMMOK SHIPPING	63.5K BULK CARRIER	NEW TIMES(NTS)	0106401/02	2	KR	900 x 2	2
56	MARINE CAPITAL	38K BULK CARRIER	TAIZHOU KOUAN	TK1022	1	LR	700 x 2	
55	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S822/829/837/838/839/841/859/861	8	NK	700 x 2	8
54	JAPANESE OWNER	28K BULK CARRIER	IMABARI SHIPBUILDING	SA076/086/087	3	NK	500 x 2	3
53	JAPANESE OWNER	37K BULK CARRIER	SAIKI HEAVY INDUSTRIES	S573	1	ABS	500 x 2	1
52	NORDIC HAMBURG	37.3K BULK CARRIER	NANJING DONGZE	DZ-34/35	2	BV	800 x 1	2
51	MST	28K BULK CARRIER	AVIC Dingheng SY	AD0020/AD0021	2	LR	1,200 x 1	2
50	LOMAR SHIPPING	64K BULK CARRIER	ZHOUSHAN COSCO	N598	1	LR	1,000 x 1	1
49	MARINE CAPITAL	38K BULK CARRIER	HUATAI	H0017/18/19/20/21	5	LR	700 x 2	5
48	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	SH602/603/606/609/613/618/626	7	NK	700 x 2	7
47	MARINE CAPITAL	38K BULK CARRIER	TAIZHOU KOUAN	TK1010/11/12/13/14/15/16/17/18/19/20/21	12	LR	700 x 2	12
46	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S801/S840	2	ABS	700 x 2	2
45	JAPANESE OWNER	58K BULK CARRIER	SHIN KURUSHIMA	S3676/3677	2	NK	800 x 2	2
44	JAPANESE OWNER	33K BULK CARRIER	SHIN KURUSHIMA	S5855/S5821/S7290	3	NK	750 x 1	3
43	SUISSE-ATLANTIQUE	87K BULK CARRIER	HMD	S092/3/4	3	ABS	1,200 x 2	3
42	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S847 / SH615/6	3	NK	700 x 2	3
41	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S805	1	BV	700 x 2	1
40	JAPANESE OWNER	37K BULK CARRIER	ONOMICHI DOCKYARD	S593/4	2	BV/NK	500 x 2	2
39	GRAIG SHIPPING PIC	37.3K BULK CARRIER	NANJING DONGZE	DZ-31/32	2	BV	800 x 1	2
38	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S827	1	NK	700 x 2	1
37	JAPANESE OWNER	28K BULK CARRIER	IMABARI SHIPBUILDING	S828/S853	2	NK	500 x 2	2
36	JAPANESE OWNER	37K BULK CARRIER	ONOMICHI DOCKYARD	S668	1	ABS	500 x 2	1
35	ATLANTSKA PLOVIDBA	38K BULK CARRIER	QINGSHAN	QS38000-1/QS38000-2	2	BV	700 x 2	2
34	LOMAR SHIPPING	64K BULK CARRIER	ZHOUSHAN COSCO	N507/508/509/510	4	LR	1,000 x 1	4

33	ESL SHIPPING	56K BULK CARRIER	HMD	S042/3	2	LR	1,000 x 2	2
32	COSMOSHIP	28K BULK CARRIER	GUANGZHOU WENCHONG	GWS440/1/2/3	4	BV	500 x 2	4
31	JOONGANG	63K BULK CARRIER	HMD	S085/6/7	3	KR	1,000 x 2	3
30	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	SH612	1	NK	700 x 2	1
29	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S826	1	NK	500 x 2	1
28	JAPANESE OWNER	28K BULK CARRIER	IMABARI SHIPBUILDING	S814/15	2	NK	500 x 2	2
27	WISDOM	28K BULK CARRIER	IMABARI SHIPBUILDING	SA056	1	NK	500 x 2	1
26	ZODIAC	61K BULK CARRIER	DACKS	NE151/2	2	NK	900 x 2	2
25	PARAKOU SHIPPING LTD	35.2K BULK CARRIER	NANTONG CHANGQINGSHA	CQS-1004/5/6	3	BV	700 x 2	3
24	JAPANESE OWNER	27K BULK CARRIER	IMABARI SHIPBUILDING	S755/6	2	NK	700 x 2	2
23	LOMAR SHIPPING	64K BULK CARRIER	ZHOUSHAN COSCO	N505/6	2	LR	1,000 x 1	2
22	ULTRA BULK	36K BULK CARRIER	SSI	H1060	1	DNV	1,500 x 1	
21	JAPANESE OWNER	28K BULK CARRIER	IMABARI SHIPBUILDING	S816	1	NK	500 x 2	1
20	JAPANESE OWNER	37K BULK CARRIER	IMABARI SHIPBUILDING	S800	1	NK	700 x 2	1
19	JAPANESE OWNER	33K BULK CARRIER	SHIN KURUSHIMA	S5762/63	2	NK	750 x 1	2
18	JAPANESE OWNER	33K BULK CARRIER	SHIN KURUSHIMA	S7273	1	NK	750 x 1	1
17	ARKLOW SHIPPING	34K BULK CARRIER	DAESUN	SB548/9	2	BV	800 x 2	2
16	STX PAN OCEAN	35K BULK CARRIER	STX DALIAN	S2211/2/3/4	4	KR	500 x 2	2
15	PLUTOFLAX	82K BULK CARRIER	HMD	H6069/70	2	LR	1,500 x 2	2
14	ARKLOW SHIPPING	14K BULK CARRIER	DAESUN	SB540	1	BV	500 x 2	1
13	JAPANESE OWNER	78K BULK CARRIER	SHIN KURUSHIMA	S3661/63	2	NK	700 x 4	2
12	JAPANESE OWNER	33K BULK CARRIER	SHIN KURUSHIMA	S5755/75	2	NK	750 x 1	2
11	DENSA	37K BULK CARRIER	HMD	S071/2/3/4/5/6	6	ABS	700 x 2	6
10	NDSM	82K BULK CARRIER	ZHOUSHAN COSCO	N413/4	2	KR	1,200 x 2	2
9	NOVOSHIP	75K BULK CARRIER	HMD	H6116/7	2	ABS	1,200 x 2	2
8	KYOWA SANSHO	22K BULK CARRIER	KURINOURA DOCK	S409	1	NK	500 x 1	1
7	NDSM	58K BULK CARRIER	SSI	H1050	1	KR	1,000 x 2	1
6	HTC FINANCIAL	57K BULK CARRIER	SANFU	SF110101/2/5/6/7/8/9/10/11/12	10	LR	800 x 2	4
5	KUMIAI NAVIGATION	58K BULK CARRIER	NANTONG COSCO	NE086	1	NK	700 x 2	1
4	R&K	58K BULK CARRIER	DSME SHANGDONG	Y001/2	2	LR	1,000 x 2	2
3	JAPANESE OWNER	22K BULK CARRIER	KURINOURA DOCK	S413	1	NK	500 x 1	1
2	BRIGHT NAVIGATION	62K BULK CARRIER	DAESUN	SB526	1	ABS	1,000 x 2	1
1	TAIWAN POWER CORP.,	93K BULK CARRIER	CSBC	H983/4/5/6	4	BV,CR	1,000 x 2	4
TOTAL					193 Ships (Contracted)		168 Ships (Delivered)	

CONTAINER

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
68	IRISL	14,500TEU CONTAINER CARRIER	HHI	H2940~2943	4	LR/KR	1000 X 2	
67	MATSON	3,000 TEU CONTAINER-RORO	NASSCO	H6601/6602	2	ABS	700 X 2	
66	NORDIC HAMBURG	1,400 TEU CONTAINER	GWS	H5510/1/2/3	4	ABS	300 x 1	
65	CSSC Leasing(China)	1700TEU CV	GWS	GWS487	1	GL	350 x 2	1
64	JAPANESE OWNER	1,020TEU CONTAINER	TSUNEISHI SHIPBUILDING	SS234/SS235/SS236	3	NK	300 x 1	3
63	PAN CONTINENTAL SHIPPING CO., LTD	1,800 TEU CONTAINER	DAESUN	SB604	1	KR	350 x 1	1
62	MSC	11,000 TEU CONTAINER CARRIER	JINHAI	J0233/J0234/J0238	3	DNV GL	1000 x 1	3
61	MSC	9,400 TEU CONTAINER CARRIER	JINHAI	J0235	1	DNV GL	1000 x 1	1
60	MSC	19,170 TEU CONTAINER CARRIER	SAMSUNG	SN2156/2157/2158	3	DNV GL	1000 x 1	2
59	DONGJIN SHIPPING CO., LTD	1,800 TEUCONTAINER CARRIER	DAESUN	SB603	1	KR	300 x 1	1
58	COSMOSHIP MANAGEMENT S.A	1,800 TEUCONTAINER CARRIER	DAESUN	SB597/SB598	2	BV	300 x 1	2
57	NORDIC HAMBURG	1,400 TEU CONTAINER	GUOYU	Gy1001/1002/1003/1004	4	ABS	300 x 1	
56	CAPE SHIPPING	2,200 TEU CONTAINER	GUANGZHOU WENCHONG	GWS465/466	2	DNV GL	500 x 1	2
55	CSSC	1,700 TEU CONTAINER	GUANGZHOU WENCHONG	GWS486	1	GL	350 x 2	1
54	MATSON	3,600 TEU CONTAINER	APSI	029/30	2	GL	700 x 1	1
53	MSC	19,200 TEU CONTAINER	SAMSUNG	SN2138/2139/2140	3	GL	1000 x 1	3
52	LOMAR SHIPPING	1,100 TEU CONTAINER	YANGZUJIANG SHIPYARD	YZJ2012-1035 / YZJ2012-1036	2	LR	350 x 1	2
51	LOMAR SHIPPING	1,100 TEU CONTAINER	YANGZUJIANG SHIPYARD	YZJ2012-1033/1034	2	LR	350 x 1	2
50	MSC	19,170TEU CONTAINER	DSME	H4296/H4299/H4301	3	DNV GL	1000 x 1	3
49	MSC	8,800 TEU CONTAINER	JINHAI	J0229/J0230/J0231/J0232	4	GL	1000 x 1	4
48	MSC	19,170TEU CONTAINER	DSME	H4300	1	DNV GL	1000 x 1	1
47	MSC	19,170TEU CONTAINER	DSME	H4297/H4298	2	DNV GL	1000 x 1	2
46	SHANGHAI INTER NATIONAL PORT GROUP	1,020 TEU CONTAINER	TSUNEISHI SHIPBUILDING CO.,LTD.	SS193/194/195/196	4	NK	300 x 1	4
45	MSC	9,400 TEU CONTAINER	HUDONG ZHONGHUA	H3005/6/7/8	4	GL	1000 x 1	4
44	UASC	14,500TEU CONTAINER	HSHI	S739/40/41/42/43/44	6	DNV	1000 x 2	6
43	ZODIAC	10,000TEU CONTAINER	DSME	H4290/1/2/3/4/5	6	LR	1000 x 2	6
42	DOLE	770FEU REF. CONTAINER	HMD	H4085/86/87	3	DNV	500 x 2	3
41	DONGJIN SHIPPING	1,000 TEU CONTAINER	DAESUN	SB541	1	KR	250 x 1	1
40	CAPE SHIPPING	6,800 TEU CONTAINER	HHIC	P0128/9	2	GL RINA	750 x 1	2
39	TECHNOMAR	9,000 TEU CONTAINER	HHIC	P123/4/5	3	GL	1200 x 1	3
38	CAPITAL SHIPMANAGEMENT	9,100 TEU CONTAINER	DMHI	H4097/98	2	LR	750 x 1	2
37	LOMAR SHIPPING	2,200 TEU CONTAINER	GUANGZHOU WENCHONG	GWS428/430	2	ABS	350 x 1	2
36	UASC	14,500 TEU CONTAINER	HHI	H2714/H2715/H2716	3	DNV	1000 x 2	3
35	UASC	14,500 TEU CONTAINER	HSHI	S737/738	2	DNV	1000 x 2	2

PANASIA BALLAST WATER MANAGEMENT SYSTEM

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELIVERED	
34	UASC	18,800 TEU CONTAINER	HHI	H2717/H2718/ H2719	3	DNV	1200 x 2	3	
33	UASC	18,800 TEU CONTAINER	HSHI	S746/S747/S748	3	DNV	1200 x 2	3	
32	MSC	8,800 TEU CONTAINER	DSIC	C8800-2/3/4/5/6/7/8	7	GL	1000 x 1	7	
31	MSC	9,400 TEU CONTAINER	JIANGNAN SY	H2552/3	2	GL	1000 x 1	2	
30	MSC	9,400 TEU CONTAINER	HUDONG ZHONGHUA	H3001/2/3/4	4	GL	1000 x 1	4	
29	MSC	8,800 TEU CONTAINER	NTS	0208801/2/3/4/5/6/7	7	GL	1000 x 1	7	
28	EASTERN MEDITERRANEAN	2,200 TEU CONTAINER	GUANGZHOU WENCHONG	GWS446/447	2	GL	500 x 1	2	
27	MSC	2,200 TEU CONTAINER	DSME	H4277/78/79/80/81/82	6	GL	1000 x 1	6	
26	D'AMATO	9,200 TEU CONTAINER	STX	S3042/S3043/S3044	3	RINA GL	900 x 2	3	
25	LOMAR SHIPPING	1,100 TEU CONTAINER	YANGZJIANG SHIPYARD	YZJ2012-1031/1032	2	LR	350 x 1	2	
24	CAPITAL SHIPMANAGEMENT	9,100 TEU CONTAINER	DMHI	H4095/6	2	LR	750 x 1	2	
23	TECHNOMAR	6,800TEU CONTAINER	HHIC	P097/98	2	GL RINA	750 x 2	2	
22	EMBIRICOS	6,800TEU CONTAINER	HHIC	P095	1	ABS	750 x 1	1	
21	CAPE SHIPPING	2,200TEU CONTAINER	GUANGZHOU WENCHONG	GWS444/45/61/62	4	GL	500 x 1	4	
20	LOMAR SHIPPING	2,200 TEU CONTAINER	GUANGZHOU WENCHONG	GWS438/9	2	GL	350 x 1	2	
19	ZODIAC	5,000 TEU CONTAINER	STX DALIAN	D2251/52/53/54/55/ 56/57/58/59/60	10	LR	700 x 2		
18	KOMROWSKI	3,820 TEU CONTAINER	TAIZHOU CATIC SHIPBUILDING	TC0201/2	2	GL	500 x 1	2	
17	ENESEL	9,800 TEU CONTAINER	HHI	H2527/28/29/30	4	GL	750 x 2	4	
16	ZODIAC	16,000 TEU CONTAINER	STX	S1551/S1552	2	LR	1,500 x 2	2	
15	RITSCHER	4,800TEU CONTAINER	JIANGSU NEW YANGZI	YZJ2011-1009	1	GL	500 x 1	1	
14	THENAMARIS	5,000TEU CONTAINER	HSHI	S616/7	2	LR	800 x 1	2	
13	EASTERN MEDITERRANEAN	1,700 TEU CONTAINER	GUANGZHOU WENCHONG	GWS418/19/32/33	4	GL	350 x 2	4	
12	SINOTRANS	1,050 TEU CONTAINER	DAESUN	SB550/1	2	NK	700 x 1	2	
11	SOONFONG SHIPPING	1,700 TEU CONTAINER	GUANGZHOU WENCHONG	GWS413/4	2	GL	350 x 2	2	
10	SHIPPING BANK	1,050 TEU CONTAINER	DAESUN	SB512	1	KR	300 x 1	1	
9	RCL	1,050 TEU CONTAINER	DAESUN	SB521/2	2	GL	700 x 1	2	
8	EASTERN MEDITERRANEAN	2,000 TEU CONTAINER	SPP	H4076/7/8	3	GL	500 x 1	3	
7	SEACON	2,000 TEU CONTAINER	STX DALIAN	D2135/6	2	NK	500 x 1	2	
6	CAPITAL SHIPMANAGEMENT	5,000 TEU CONTAINER	HHI	H2536/37/38/39/40	5	LR	700 x 1	5	
5	THENAMARIS	4,800 TEU CONTAINER	OUHUA	H648/9	2	GL	700 x 1	2	
4	ZODIAC	8,600 TEU CONTAINER	DMHI	MH 4091/2/3/4	4	LR	750 x 2	4	
3	SITC	1,000 TEU CONTAINER	DAESUN	SB546/7	2	ABS	300 x 2	2	
2	ZODIAC	16,000 TEU CONTAINER	STX	S1527/28/29/30	4	LR	1,500 x 2	4	
1	SCI	6,500 TEU CONTAINER	STX DALIAN	D2131/2/3	3	GL	750 x 2	2	
TOTAL				196 Ships (Contracted)			169 Ships (Delivered)		

GloEn-Patrol™
PANASIA BALLAST WATER MANAGEMENT SYSTEM

NO.8
Feb.1th,2017

GENERAL CARGO SHIP & MULTI PURPOSE CARRIER VESSEL

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
26	NORDIC HAMBURG	12.5K MPV	SHANDONG HUANGHAI	HCY165/166/167/168/169	5	LR	500 x 1	5
25	SENTINEL OFFSHORE(L) LIMITED	78m AHTSV	WUHU XINLIAN SHIPBUILDING	W1421/W1422	2	ABS	150 x 1	2
24	MK MARINE PTE LTD	78m AHTSV	WUHU XINLIAN SHIPBUILDING	W1411/W1412	2	ABS	150 x 1	2
23	SE SHIP MANAGEMENT PTE.LTD	31,200 DWT MPV	SAINTY	SAM13119M	1	GL	700 x 1	
22	JAPANESE OWNER	16.5K GENERAL CARGO	HONDA	S1087	1	NK	250 x 1	1
21	BRIESE SCHIFFAHRTS, AUERBACH SCHIFFAHRTS	12.5K MPV	JIANGXI JIANGZHOU UNION	JZ1061/1062/1063/1066	4	GL	500 x 2	2
20	EXECUTIVE OFFSHORE PTE. LTD	78M MPCV	COLOMBO DOCKYARD PLC	NC231/2/3/4	4	NK	250 x 1	4
19	MIDDLE EAST OWNER	38K GENERAL CARGO SHIP	NAIKAI SHIPBUILDING	S767/778/782	3	ABS	1500 x 1	3
18	AEC	38K GENERAL CARGO SHIP	NAIKAI SHIPBUILDING	S772/S779	2	NK	1500 x 1	2
17	MIDDLE EAST OWNER	38K GENERAL CARGO SHIP	NAIKAI SHIPBUILDING	S766	1	NK	1500 x 1	1
16	JAPANESE OWNER	11K GENERAL CARGO SHIP	SHIN KURUSHIMA	S5811 / S7285	2	NK	300 x 1	2
15	CPTM ARANUI	124m PAX CARGO SHIP	SHANDONG HUANGHAI	K-19	1	BV	300 x 1	1
14	JAPANESE OWNER	16.5K GENERAL CARGO SHIP	HONDA	S1080/82/85/86	4	NK	250 x 1	4
13	JAPANESE OWNER	11K GENERAL CARGO SHIP	SHIN KURUSHIMA	S793 / 7278	2	NK	300 x 1	2
12	SCMT	17.5K MPCV	DAESUN	SB567/8/9	3	BV	300 x 2	3
11	JAPANESE OWNER	11K GENERAL CARGO SHIP	SHIN KURUSHIMA	7277	1	NK	350 x 1	1
10	EXECUTIVE OFFSHORE PTE.LTD	78M MPCV	COLOMBO DOCKYARD PLC	NC 0225/6/7/8	4	NK	150 x 1	4
9	JAPANESE OWNER	16.5K GENERAL CARGO SHIP	HONDA	S1078	1	NK	250 x 1	1
8	JUMBO-KAHN	HEAVY LIFT CARGO CARRIER	BRODOSPLIT	HN473/4	2	LR	700 x 2	2
7	JAPANESE OWNER	12K GENERAL CARGO SHIP	SHIN KURUSHIMA	7271	1	NK	300 x 1	1
6	JAPANESE OWNER	12K GENERAL CARGO SHIP	HONDA	S1076/7	2	NK	250 x 1	2
5	JAPANESE OWNER	11K GENERAL CARGO SHIP	SHIN KURUSHIMA	S722/3	2	NK	300 x 1	2
4	MACS MARITIME CARRIER SHIPPING	37K MPCV	QINGSHAN	JSH 403/4/5/6	4	GL	750 x 1	4
3	JAPANESE OWNER	12K GENERAL CARGO SHIP	HONDA	1073	1	NK	250 x 1	1
2	MEGA LINE	14K BLOCK CARRIER	DSME	H1704/5	2	KR	1,000 x 1	2
1	SPLIETHOFF	12.5K MPV	OUHUA	S91/2/3/4/5/6	6	LR	300 x 2	6
TOTAL				63 Ships (Contracted)		60 Ships (Delivered)		

RO-RO SHIP

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
7	GLOBAL CAR CARRIERS	6,700UNITS PCTC	JINLING	JLZ8120436 / JLZ8120437	2	DNV	350 x 2	2
6	GRIMALDI/ACL	45K CON-RO SHIP	HUDONG ZHONGHUA	H1695A/6A/7A/8A/9A	5	RINA	500 x 1	5
5	GLOBAL CAR CARRIERS	6,700UNITS PCTC	JINLING	JLZ8120412/3	2	DNV	350 x 2	2
4	MESSINA	45K CON-RO SHIP	STX	S3027/28/29/30	4	RINA	700 x 2	4
3	JAPANESE OWNER	PCTC	IMABARI SHIPBUILDING	S1617/8/9	3	NK	500 x 1	3
2	EUROSHIP SERVICES	RO-RO SHIP	KYOKUYO	S500/1/2/3	4	BV	500 x 1	4
1	MESSINA	45K RO-RO SHIP	DSME	4465/6/7/8	4	RINA	650 x 2	4
TOTAL				24 Ships (Contracted)		24 Ships (Delivered)		

OFFSHORE & SUPPORT VESSEL

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
38	TEMASH	83.3m PSV	WENCHONG	GWS428	1	ABS	150 x 1	1
37	CSSC	84.5m PSV	GUANGZHOU HUANGPU WENCHONG	GWS488 / GWS489	2	BV	250 x 1	
36	CCCUE	91.6m DSV	ZPMC	ZPMC1061	1	ABS	150 x 1	1
35	PACIFIC RADIANCE	115M DIESEL ELECTRIC CONSTRUCTION SUPPORT VESSEL	CSSC HUANGPU	H3077	1	ABS	250 x 1	1
34	EASTERN NAVIGATION	400MEN ACCOMMODATION VESSEL	YAHUA	YH-208	1	ABS	500 x 1	1
33	ISLAND OFFSHORE	MOBILE OFFSHORE UNIT	KAWASAKI HEAVY INDUSTRY	21N1724	1	DNV	250 x 1	
32	MK OFFSHORE	78m PSV	XIAMEN SHIPBUILDING INDUSTRY	XSI491N	1	ABS	150 x 1	
31	PACIFIC CREST PTE LTD	85m MAINTENANCE WORKING VESSEL	ZHENJIANG	VZJ6298-1401/1402	2	ABS	150 x 1	2
30	PACIFIC CREST PTE LTD	73m AHTS-ORV	Nantong Tongshun	TS140115/16/17/18	4	ABS	150 x 1	4
29	EUROPEAN OWNER	SEMI DRILL RIG	DSME	T555	1	DNV	500 x 2	
28	MK OFFSHORE	78m PSV	XIAMEN INDUSTRY	XSI 491 I	1	ABS	150 x 1	1
27	GRAND WINNER(Hong Kong)	79m PSV	SHANGHAI ZHENHUA	ZPMC1053/1054	2	RINA	150 x 1	2
26	OTTO MARINE LTD	85m MAINTENANCE WORKING VESSEL	ZHENJIANG	VZJ6279-1301/1302	2	ABS	150 x 1	2
25	EASTERN NAVIGATION PTE LTD	85M MAINTENANCE WORKING VESSEL	ZHENJIANG	VZJ6259-1301	1	ABS	150 x 1	1
24	MK OFFSHORE	78m PSV	XIAMEN INDUSTRY	XSI491D/E/F	3	ABS	150 x 1	3
23	ABS MARINE SERVICES PVT LTD	78m PSV	XIAMEN INDUSTRY	XSI491C	1	ABS	150 x 1	1
22	FINARGE	AHTS	SPP	S1152	1	DNV RINA	250 x 1	1
21	PACIFIC RADIANCE LTD	300men accommodation crane working barge	Nantong Tongshun	TS130423	1	ABS	500 x 1	1
20	SAL SHIPPING	85m MAINTENANCE WORKING VESSEL	JIANGSU ZHENJIANG	VZJ6278-1301	1	ABS	150 x 1	1
19	-	JACK-UP RIGS	JURONG	11-1103-1	1	ABS	250 x 1	1

PANASIA BALLAST WATER MANAGEMENT SYSTEM

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELIVERED	
18	PACIFIC RADIANCE LTD	78m PSV	FUJIAN XIAMEN	XSI491A/B	2	BV	150 x 1	2	
17	FALCON ENERGY GROUP LTD	78m PSV	ZHENJIANG	VZJ6242-1101/2	2	ABS	150 x 1	2	
16	BASIC OFFSHORE PTE LTD	84.5m PSV	CSSC GUANGZHOU HUANGPU	H3031/2	2	BV	250 x 1	2	
15	HONGHUA GROUP	83m PSV	HONGHUA	M1201	1	ABS	250 x 1	1	
14	RADIANCE CATICO OFFSHORE	78m ACCOMMODATION SUPPORT VESSEL	ZHENJIANG	VZJ6270-1201	1	ABS	150 x 1	1	
13	PACIFIC CREST PTE LTD	78m MULTI FUNCTIONAL SUPPORT VESSEL	ZHENJIANG	VZJ6265-1201	1	ABS	150 x 1	1	
12	RADIANCE CATICO OFFSHORE	5m ANCHOR HANDLING TUG VESSEL	ZHENJIANG	VZJ6258-1201	1	ABS	150 x 1	1	
11	PACIFIC RADIANCE LTD	86m PSV	GUANGZHOU HUANGPU	H2348/9	2	ABS	150 x 1	2	
10	TL OFFSHORE	DPS OFFSHORE CONSTRUCTION VESSEL	NANTONG COSCO	N449	1	ABS	900 x 2	1	
9	TL OFFSHORE	DPS OFFSHORE CONSTRUCTION VESSEL	NANTONG COSCO	N448	1	ABS	700 x 2	1	
8	ODFJELL	SEMI DRILL RIG	DSME	H3033	1	DNV	500 x 2	1	
7	ALMARINE	SEISMIC SUPPORT VESSEL	SHINYANG PIASAU	Y385/6	2	BV	150 x 1	2	
6	SEALION	VS 4616 TUG SUPPLY VESSEL	WUCHANG	A171M/2M/3M	3	DNV	150 x 1	3	
5	ODEBRECHT	PIPE LAYING CARRIER	DSME	3403/4	2	DNV	300 x 2	2	
4	-	PSV	SHINAN	H1001	1	DNV	150 x 1	1	
3	NOBLE	JACK-UP RIGS	JURONG	11-1103/4/6/7/8/9	6	ABS	250 x 1	6	
2	VOLSTAD	OFFSHORE CONSTRUCTION VESSEL	BERGEN FOSEN	NB89	1	DNV	250 x 1	1	
1	HEEREMA OFFSHORE	PIPE LAYING CARRIER	DSME	H3402	1	LR	1,500 x 2	1	
TOTAL				60 Ships (Contracted)			55 Ships (Delivered)		

DRILLSHIP

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELIVERED	
8	TRANSOCEAN	DRILL SHIP	DSME	H3511	1	DNV	700 x 2	1	
7	SONANGOL	DRILL SHIP	DSME	H3620/1	2	ABS	700 x 2	2	
6	VANTAGE	DRILL SHIP	DSME	H3618	1	ABS	700 x 2	1	
5	ATWOOD	DRILL SHIP	DSME	H3622	1	DNV	700 x 2	1	
4	TRANSOCEAN	DRILL SHIP	DSME	H3507/08/09/10	4	DNV	700 x 2	4	
3	VANTAGE	DRILL SHIP	DSME	H3615	1	DNV	700 x 2	1	
2	TRANSOCEAN	DRILL SHIP	DSME	H3612/3	2	DNV	700 x 2	2	
1	ATWOOD	DRILL SHIP	DSME	H3614/7/9	3	DNV	700 x 2	3	
TOTAL				15 Ships (Contracted)			15 Ships (Delivered)		

LNG/LPG CARRIER

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELIVERED
35	EVALAND	38K LPG CARRIER	HMD	H8216/17	2	LR	500 x 2	
34	ELETSON	12K LEG/LPG/VCM CARRIER	HMD	H8209/8210	2	LR	500 x 2	
33	ELETSON	12K LEG/LPG/VCM CARRIER	HMD	H8213/4	2	LR	350 x 2	
32	THENAMARIS	22K LPG CARRIER	HMD	H8201/H8202	2	LR	500 x 2	
31	THENAMARIS	22K LPG CARRIER	HMD	H8188/H8189	2	LR	500 x 2	
30	KSS	38K LPG CARRIER	HMD	H8192/H8193	2	KR	500 x 2	1
29	BW LPG LTD	84K LPG CARRIER	DSME	H2351/H2352/H2353/H2354	4	LR	750 x 2	4
28	EVERGAS	27,500 CBM LNG CARRIER	YANGZIJANG SHIPYARD	YZJ2015-1182/1183	2	BV	700 x 1	2
27	WEST AFRICA	38K CBM LPG CARRIERH	HMD	H8182/H8183	2	LR	500 x 2	2
26	SHELL	6.5K CBM LNG CARRIERL	STX	S4080	1	LR	250 x 2	1
25	JAPANESE OWNER	7.2K CBM LPG CARRIER	KYOKUYO	S528	1	NK	250 x 1	1
24	GEOGAS	84K CBM LPG CARRIER	HSHI	S761/S762	2	BV	800 x 2	2
23	ULTRAGAS	22K CBM LPG CARRIER	STX	S4053/54/55	3	LR	500 x 2	3
22	DORIAN LPG	84K CBM LPG CARRIER	HHI	H2660/61/62	3	LR	800 x 2	3
21	DORIAN LPG	84K CBM LPG CARRIER	HSHI	S749/50/51/52/53/54/55/56/57/58	10	LR	800 x 2	10
20	YARA	38K CBM LPG CARRIER	HMD	H8170/71	2	GL	500 x 2	2
19	YARA	20K CBM LPG CARRIER	HMD	H8173/74/75	3	GL	500 x 2	3
18	DORIAN LPG	84K CBM LPG CARRIER	DSME	H2336/7/8	3	DNV	750 x 2	3
17	JAPANESE OWNER	3.5K CBM LPG CARRIER	KEGOYA DOCK	S1155	1	NK	250 x 1	1
16	EVERGAS	27.5K CBM LPG CARRIER	NANTONG SINOPACIFIC	S1018/S1019/S1020	3	BV	700 x 1	3
15	ELETSON	12K CBM LPG CARRIER	HMD	H8163/4/5/6/7	5	LR	300 x 2	5
14	EUROPEAN OWNER	7.2K CBM LPG CARRIER	KYOKUYO	S514/5/21	3	NK	250 x 1	3
13	EVERGAS	27.5K CBM LNG CARRIER	NANTONG SINOPACIFIC OFFSHORE&ENGINEERING	S1015/6/7	3	BV	700 x 1	3
12	GEOGAS	9K CBM LPG CARRIER	STX	B5067	1	BV	150 x 2	1
11	ULTRAGAS	22K CBM LPG CARRIER	STX	S4024/5	2	LR	500 x 2	2
10	JX Shipping	35K CBM LPG CARRIER	HMD	H8118	1	NK	500 x 2	1
9	NEGMAR	38K CBM LPG CARRIER	HHI	H2604/5	2	ABS	500 x 2	2
8	ANTHONY	4.7K CBM LEG/LPG CARRIER	AVIC Dingheng SY	AD0015/6	2	BV	250 x 1	2
7	BRAVE MARITIME COR.,	5K CBM LPG CARRIER	STX	B5065/B5066	2	BV	150 x 2	2
6	ADNOC	9K CBM ETHYLENE/AMMONIA/VCM	STX	B5060	1	DNV	150 x 2	1
5	ULTRAGAS	22K CBM LPG CARRIER	STX	S4020/1	2	LR	500 x 2	2
4	ALPHA	160K CBM LNG CARRIER	STX	S1670	1	BV/ABS	3,000 x 2	1
3	SOVCOMFLOT	170K CBM LNG CARRIER	STX	S1910/1/2/3	4	RS/LR	3,000 x 2	4
2	ANTHONY	6.5K CBM LPG CARRIER	AVIC Dingheng SY	DH0006/07/08/10	4	BV	500 x 1	4
1	NDSM	6.5K CBM LPG CARRIER	SHITANOE	1293/1301	2	KR	300 x 1	2
TOTAL				87 Ships (Contracted)		76 Ships (Delivered)		

SPECIAL SHIPS

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
20	ORION	ONSHORE	-	ONSHORE WATER TREATMENT	1		250 x 1	
19	US NAVY	FLEET REPLENISHMENT	NASSCO	T-AO<X>	1	ABS	3,000 x 1	
18	REPUBLIC OF KOREA NAVY	ATX(Auxiliary Training Ship)	HHI	P157	1	KR	150 x 1	
17	MARITIME UNIVERSITY ASSOCIATION	8000TON CLASS FISHERIES TRAINING SHIP	HHIC	S147,8	2	KR	150 x 1	
16	MARITIME UNIVERSITY ASSOCIATION	2000TON CLASS FISHERIES TRAINING SHIP	HHIC	S144,5,6	3	KR	150 x 1	
15	GPO HEAVYLIFT	65K DCC SEMI-SUBMERSIBLE HEAVY LIFT VESSEL	CSBC	H1057/H1058/H1059/H1060	4	DNV	3,500 x 1 1,000 x 1	2
14	RUSSIAN GOVERNMENT	ICE BREAKER	ADMIRALTY	21180	1	RMRS	250 x 1	1
13	UK NAVY	MARS TANKER	DSME	H7044/5/6/7	4	LR	2,500 x 1 1,500 x 1	4
12	PROSAFE	SEMI-SUBMERSIBLE ACCOMMODATION VESSEL	QINGDONG COSCO OFFSHORE	N650/1	2	DNV	500 x 1	2
11	KIOST	5K CLASS KOREAN NEW RESEARCH VESSEL	STX	N1025	1	KR	150 x 1	1
10	SOVCOMFLOT	ICE BREAKER	VYBORG	Pr.21900	1	RMRS	250 x 1	1
9	JAPANESE OWNER	REEFER SHIP	KYOKUYO	S512	1	NK	250 x 1	1
8	ATLANSHIP	23K JUICE CARRIER	HMD	H8133/4	2	BV	500 x 1	2
7	TAIWAN NAVY	AOE SUPPLY VESSEL	CSBC	H1025	1	CR	1,200 x 2 800 x 1	1
6	SE SHIP MANAGEMENT	25K HEAVY DUTY LIFT VESSEL	JIANGSU SAINTY	SAM10018M	1	DNV	500 x 1	1
5	NORWEGIAN OWNER	FAST FERRY	BERGEN FOSEN	NB87/8	2	DNV	500 x 1	2
4	ROBINZON LTD	115m FREEZER TROLLER	DRYDOCKS WORLD	T214	1	DNV	250 x 1	1
3	COTUNAV	210m ROPAX FERRY	DSME	7511	1	BV	300 x 1	1
2	SIBA	23,500m ² LIVESTOCK CARRIER	STX DALIAN	D1093	1	RINA	250 x 1	1
1	DUTCH NAVY	JOINT SUPPLY VESSEL	DAMEN	E41200	1	LR	700 x 2	1
TOTAL				32 Ships (Contracted)		22 Ships (Delivered)		

RETROFIT

NO	SHIP OWNER	SHIP'S TYPE	YARD	PROJECT(HULL NO.)	SHIP'S NO.	CLASS	TREATMENT CAPACITY	DELI-VERED
49	JAPANESE OWNER	48K CHEMICAL TANKER	RETROFIT	PIGEON POINT	1	NK	1500 X 1 350 X 1	
48	JAPANESE OWNER	48K CHEMICAL TANKER	RETROFIT	SAN FERNANDO	1	NK	1500 X 1 350 X 1	
47	SARGEANT MARINE	ASPHALT CARRIER	SEMBAWANG	ASPHALT SEMINOLE	1	BV	500 x 1	1
46	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY N CLASS	4	LR	350 x 1	
45	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY H CLASS	2	LR	500 x 1	
44	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY A2 CLASS	8	LR	350 x 1	
43	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY A1 CLASS	4	LR	250 x 1	
42	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY C CLASS	4	LR	500 x 1	
41	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY I CLASS	2	LR	500 x 1	
40	WIJNNE & BARRENDIS	GENERAL CARGO & MPP	RETROFIT	LADY M CLASS	3	LR	500 x 1	
39	SPLIETHOFF	GENERAL CARGO & MPP	RETROFIT	A CLASS	3	LR	500 x 1	
38	SPLIETHOFF	GENERAL CARGO & MPP	RETROFIT	E CLASS	7	LR	700 x 1	
37	SPLIETHOFF	GENERAL CARGO & MPP	RETROFIT	HR CLASS	3	LR	700 x 1	
36	SPLIETHOFF	GENERAL CARGO & MPP	RETROFIT	S CLASS	14	LR	750 x 1	
35	SPLIETHOFF	RO-RO	RETROFIT	CONRO CLASS	6	LR	1000 x 1	
34	SPLIETHOFF	GENERAL CARGO & MPP	RETROFIT	F CLASS	6	LR	900 x 1	
33	SPLIETHOFF	GENERAL CARGO & MPP	RETROFIT	D CLASS	8	LR	1000 x 1	
32	SPLIETHOFF	HEAVY LIFT	RETROFIT	HD CLASS	5	LR	1000 x 1	
31	KOREA SHIP MANAGERS	74K BULK CARRIER	VOYAGE	WOUYANG BANDERS	1	KR	1000 x 2	1
30	BOYANG CO.,LTD	REFFER CARRIER	RETROFIT	MOMONOK	1	KR	250 x 1	
29	BOYANG CO.,LTD	REFFER CARRIER	RETROFIT	TORHA	1	KR	250 x 1	
28	JAPANESE OWNER	50K MR TANKER	KEPPEL SHIPYARD	EMERALD EXPRESS	1	ABS	2000 x 1 350 x 1	1
27	JAPANESE OWNER	50K MR TANKER	GEMAK SHIPYARD TUZLA	AMBASSADOR NORRIS	1	NK	1500 x 1 250 x 1	1
26	JAPANESE OWNER	50K MR TANKER	ZHOUSHAN IMC-YONGYUE SHIPYARD	IVY EXPRESS	1	DNV	1500 x 1 250 x 1	1
25	SARGEANT MARINE	APSHALT CARRIER	RETROFIT	ASPHALT CARRIER	1	BV	250 x 1	1
24	TRANSSHIP	34K BULK CARRIER	RETROFIT	MV Zina	1	ABS	700 x 1	
23	CROWLEY	550 BARGE	U.S. YARD	550-1~4	4	ABS	750 x 2	
22	CROWLEY	650 BARGE	U.S. YARD	650-1~10	10	ABS	1000 x 2	
21	CROWLEY	750 BARGE	U.S. YARD	750-1~3	3	ABS	1000 x 2	
20	CROWLEY	TUG	U.S. YARD	SEA RELIANCE/SOUND RELIANCE/OCEAN RELIANCE/COASTAL RELIANCE/PACIFIC RELIANCE/GULF RELIANCE/RESOLVE/INTEGRITY/COURAGE/COMMITMENT/PRIDE/ACHIEVEMENT/INNOVATION/VISION/LEGACY/LEGEND/LIBERTY	17	ABS	50 x 1	
19	KSS LINE LTD.	49.8K LPG CARRIER	SINGAPOREAN YARD	GAS VISION	1	KR	1,500 x 1	1
18	The Korea Polar Research Institute	ICE BREAKER RESEARCH VESSEL	RETROFIT	ARAON	1	KR	150 x 2	1

PANASIA BALLAST WATER MANAGEMENT SYSTEM

17	SUISSE - ATLANTIQUE S.A	34K BULK CARRIER	RETROFIT	D	1	BV	1500 x 1	1
16	SARGEANT MARINE	APSHALT CARRIER	WUFENGSHAN SHIPYARD	ASPHALT CARRIER	1	BV	250 x 1	1
15	SE SHIP MANAGEMENT PTE LTD	12,000DWT BULK CARRIER	JIANGSU NEW YANGZI	SE PELAGICA	1	GL	500 x 1	1
14	SARGEANT MARINE	ASPHALT CARRIER	SEMBAWANG	ASPHALT SEMINOLE	1	BV	250 x 1	1
13	SE SHIP MANAGEMENT PTE LTD	12,000DWT BULK CARRIER	RETROFIT	SE POTENTIA	1	GL	500 x 1	1
12	PRYSMIAN GROUP	CABLE LAYING VESSEL	VICTOR LENAC	CABLE ENTERPRISE	1	ABS	500 x 1	1
11	SE SHIP MANAGEMENT PTE LTD	12,000DWT BULK CARRIER	TURKEY SHIPYARD	SE PACIFICA	1	GL	500 x 1	1
10	MATSON	CONTAINER	VOYAGE	OLOMANA	1	GL	250 x 1	1
9	TRANSSHIP	34K BULK CARRIER	VOYAGE	MV FLORIANA	1	ABS	700 x 1	1
8	SE SHIP MANAGEMENT PTE LTD	12,000DWT BULK CARRIER	CHINA SHIPYARD	SE PANTHEA	1	GL	500 x 1	1
7	ATLANSHIP	FRUIT JUICE TANKER	STERKODER SHIPBUILDING	ORANGE WAVE	1	LR	250 x 1	1
6	ATLANSHIP	FRUIT JUICE TANKER	SAIKI HEAVY INDUSTRIES	ORANGE SKY	1	LR	500 x 1	
5	ATLANSHIP	FRUIT JUICE TANKER	STX NORWAY FLORO	ORANGE SUN	1	LR	500 x 1	
4	ATLANSHIP	FRUIT JUICE TANKER	SPLIT SHIPYARD	ORANGE STAR	1	LR	800 x 1	
3	JAPANESE OWNER	13K GENERAL CARGO SHIP	SANWA DOCK	ASIAN NAGA	1	NK	150 x 1	1
2	REEDEREI CLAUS-PETER OFFEN	1,819TEU CONTAINER	HRDD	SAN 'A' Class	1	GL	500 x 1	1
1	TAE YOUNG SHIPPING	GENERAL CARGO SHIP	RETROFIT	TY EVER	1	KR	250 x 1	1
TOTAL					143 Ships (Contracted)		22 Ships (Delivered)	