

Electro-Clean™ System

REFERENCE LIST

2018-07-02

Vessel Type	Vessel
Bulk Carrier	710
Tanker	197
LNG/LPG	134
Container	101
Others	47
Retrofit	77
Retrofit MOU	137
Total Contract	1403
Total Delivery	1053

TECHCROSS Inc.

433, Noksansaneopbuk-ro, Gangseo-gu, Busan, Korea (46758) Tel +82 51 601 4500 Fax +82 51 974-0778

Mail(General) sales@techcross.com / inquiry@techcross.com Mail(AS Service) as@techcross.com Website www.techcross.com

Bulk Carrier

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
AVIC Weihai	Tomasos Brothers	Bulk Carrier	38K DWT	750Bx1	2
Chengxi	China Nav.	Bulk Carrier	39K DWT	900Bx2	16
Chengxi	KLC SM (Daehan)	Bulk Carrier	82K DWT	1200Bx2	6
Chengxi	Dalnave Nav.	Bulk Carrier	64K DWT	900Bx2	3
COSCO(Guangdong)	Harbor shpg.	Bulk Carrier	35K DWT	600Bx2	2
DACKS	Equinox	Bulk Carrier	61K DWT	900Bx2	2
DACKS	Lauritzen	Bulk Carrier	61K DWT	900Bx2	2
Dalian COSCO KHI Ship Engineering	Fukujin Kisen Co., Ltd	Bulk Carrier	61K DWT	900Bx2	1
Dalian COSCO KHI Ship Engineering	Okouchi Kaiun	Bulk Carrier	61K DWT	900Bx2	1
Daehan Shipbuilding	Korea lines	Bulk Carrier	207K DWT	3000Bx2	3
Daehan Shipbuilding	Korea lines	Bulk Carrier	180K DWT	3000Bx2	1
Desan Shipyard	Wisdom Marine Lines	Bulk Carrier	32K DWT	1000Bx1	1
Hyundai Samho Heavy Industries	H-Line	VLOC	325K DWT	3000Bx2	2
Hyundai Samho Heavy Industries	Polaris	VLOC	325K CBM	3000Bx2	5
Dayang	EMM	Bulk Carrier	63K DWT	1000Bx2	2
Hyundai Heavy Industries	Polaris	VLOC	325K CBM	2600Bx2	3
Yangzhou Binjiang Shipbuilding	Nanjing SUMEC Shipping	Bulk Carrier	82K DWT	1200Bx1	1
Yangzhou Binjiang Shipbuilding	Nanjing SUMEC Shipping	Bulk Carrier	82K DWT	1200Bx1	1
Hyundai Heavy Industries	Polaris	VLOC	325K CBM	3000Bx2	8
IMABARI SHIPBUILDING	Sesoda Co.Ltd	Bulk Carrier	38K DWT	600Bx2	1
Dayang	Franco Compania Naviera	Bulk Carrier	82K DWT	1200Bx2	2
Hyundai Heavy Industries	Polaris	VLOC	325K	3000Bx2	1
Hyundai Heavy Industries	Polaris	VLOC	325K	3000Bx2	1
Nantong Xiangyu Shipbuilding	Nisshin	Bulk Carrier	63K DWT	1800Bx1	5
Nantong Xiangyu Shipbuilding	Nisshin	Bulk Carrier	63K DWT	1800Bx1	5
Dayang	JME NAVIGATION S.A.	Bulk Carrier	64K DWT	1000Bx2	1
NANTONG COSCO KHI(NACKS)	Tachibana Japan	Bulk Carrier	61K DWT	900Bx2	1
Dayang	Thenamaris	Bulk Carrier	63K DWT	1000Bx2	4
IMABARI SHIPBUILDING	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	63K DWT	1000Bx2	1
IMABARI SHIPBUILDING	Sumisho Marine	Bulk Carrier	63K DWT	1000Bx2	1
IMABARI SHIPBUILDING	Sincere Navigation Corporation	Bulk Carrier	38K DWT	600Bx2	1
Shikoku Dockyard	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	38.6K DWT	1000Bx1	1
Tsuneishi Shipbuilding(CEBU)		Bulk Carrier	82K DWT	1600Bx2	1
Guoyu	Nordic	Bulk Carrier	37K DWT	900Bx1	2
Haitong	Victoria	Bulk Carrier	64K DWT	900Bx2	2
Hakata Shipyard	MOL KINKAI	Bulk Carrier	58K DWT	600Ax2	1
Hakata Shipyard	MOL KINKAI	Bulk Carrier	12K DWT	300Ax1	1
Hakata Shipyard	MOL KINKAI	Bulk Carrier	19K DWT	600Bx2	1
Hakodate Dock	Sincere	Bulk Carrier	34K DWT	1000Bx1	1
Hakodate Dock	Sincere	Bulk Carrier	34K DWT	1000Bx1	2
Hanjin Heavy Industries	Rio Tinto Group	Bulk Carrier	205K DWT	3000Ax2	8
Hantong	Hi-Invest	Bulk Carrier	57K DWT	900Bx2	2
Hantong	Hi-Invest	Bulk Carrier	64K DWT	900Bx2	4

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Hantong	Nisshin	Bulk Carrier	82K DWT	1200Bx2	16
Hantong	Nisshin	Bulk Carrier	38K DWT	750Bx2	2
Hantong	Nisshin	Bulk Carrier	64K DWT	900Bx2	4
HIGAKI SHIPBUILDING	China Steel Express	Bulk Carrier	12K DWT	300Bx1	2
HIGAKI SHIPBUILDING	Glory Navigation Co.	Bulk Carrier	12K DWT	300Bx1	3
Hongqiang	Navibulgar	Bulk Carrier	42K DWT	750Bx1	3
Hongqiang	Victoria	Bulk Carrier	64K DWT	900Bx2	1
Huanghai Shipbuilding Co., Ltd.	NS United	Cargo Carrier	13K DWT	600Bx1	1
Huanghai Shipbuilding Co., Ltd.	NS United	General Vessel	13K DWT	600Bx1	1
Hyundai Mipo Dockyard	Hi-Investment	Bulk Carrier	37K DWT	600Bx2	2
Hyundai Mipo Dockyard	LS Nikko Copper	Combo Carrier	38K DWT	Ex600Bx1	1
Hyundai Mipo Dockyard	Western Group	Bulk Carrier		600Bx1	6
IMABARI SHIPBUILDING	China Nav.	Bulk Carrier	37K DWT	600Bx2	4
IMABARI SHIPBUILDING	Kuang Ming	Bulk Carrier	63K DWT	1000Bx2	4
IMABARI SHIPBUILDING	Marubeni	Bulk Carrier	58K DWT	1450Bx2	1
IMABARI SHIPBUILDING	MMSL	Bulk Carrier	84K DWT	1800Bx2	4
IMABARI SHIPBUILDING	MMSL	Bulk Carrier	84K DWT	1800Bx2	1
IMABARI SHIPBUILDING	MMSL	Bulk Carrier	61K DWT	900Bx2	1
IMABARI SHIPBUILDING	MMSL	Bulk Carrier	61K DWT	1000Bx2	1
IMABARI SHIPBUILDING	MMSL JAPAN LTD	Bulk Carrier	84K DWT	1800Bx2	2
IMABARI SHIPBUILDING	MMSL JAPAN LTD	Bulk Carrier	63K DWT	1000Bx2	1
IMABARI SHIPBUILDING	MMSL JAPAN LTD	Bulk Carrier	84K DWT	1800Bx2	1
IMABARI SHIPBUILDING	Nichitoku Kaiun	Bulk Carrier	60K DWT	1450Bx2	1
IMABARI SHIPBUILDING	Nippon Marine	Bulk Carrier	58K DWT	1000Bx1	1
IMABARI SHIPBUILDING	Sumitomo Shoji Marine	Bulk Carrier	63K DWT	1000Bx2	1
IMABARI SHIPBUILDING	TCC	Bulk Carrier	60K DWT	1450Bx2	1
IMABARI SHIPBUILDING	TCC	Bulk Carrier	60K DWT	1450Bx2	1
IMABARI SHIPBUILDING	Sesoda Co.Ltd	Bulk Carrier	38K DWT	600Bx2	1
IMABARI SHIPBUILDING CO., LTD	MMSL JAPAN LTD	Bulk Carrier	63K DWT	1000Bx2	1
JEHIC	SCI	Bulk Carrier	82K DWT	1600Bx2	4
Jiangdong	Graig Ship Mngt.	Bulk Carrier	35K DWT	900Bx2	6
JMU (Japan Marine United Corporation)	KGJS	Bulk Carrier	81K DWT	1200Bx1	8
JMU (Japan Marine United Corporation)	China Steel Express	Bulk Carrier	208K DWT	4000Bx1	1
JMU (Japan Marine United Corporation)	China Steel Express	Bulk Carrier	208K DWT	4000Bx1	1
JMU (Japan Marine United Corporation)	Wisdom Marine Lines	Bulk Carrier	81K DWT	1200Bx1	4
KANDA SHIPBUILDING	Exceno Yamamizu	Bulk Carrier	37K DWT	1000Bx1	1
KANDA SHIPBUILDING	IVS	Bulk Carrier	37K DWT	1000Bx1	2
KANDA SHIPBUILDING	IVS	Bulk Carrier	33K DWT	1000Bx1	2
KANDA SHIPBUILDING	MMSL	Bulk Carrier	33K DWT	1000Bx1	1
KANDA SHIPBUILDING	Sincere Ind.	Bulk Carrier	33K DWT	1000Bx1	6
Kawasaki Heavy Industries		Bulk Carrier	37K DWT	1800Bx1	1
Kawasaki Heavy Industries	Sealift Maritime S.A	Bulk Carrier	55K DWT	1800Bx1	1
Maple Leaf	ID Maritime(SG)	Bulk Carrier	39K DWT	750Bx2	1
Maple Leaf	Maple Leaf	Bulk Carrier	35K DWT	750Bx2	1
Mitsui Engineering & Shipbuilding		Bulk Carrier	56K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding		Bulk Carrier	60K DWT	900Bx1	2
Mitsui Engineering & Shipbuilding		Bulk Carrier	60K DWT	2000Bx1	2

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Mitsui Engineering & Shipbuilding		Bulk Carrier	66K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding		Bulk Carrier	66K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding		Bulk Carrier	60K DWT	2000Bx1	1
Mitsui Engineering & Shipbuilding	Doun Kisen Co.Ltd.	Bulk Carrier	66K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	Doun Kisen Co.Ltd.	Bulk Carrier	56K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	Doun Kisen K.K.	Bulk Carrier	66K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	GEAR BULK (UK) LTD.	Open Hatch Cover Bulk Carrier	73K DWT	1000Bx2	4
Mitsui Engineering & Shipbuilding	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	176K DWT	3000Bx1	1
Mitsui Engineering & Shipbuilding	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	56K DWT	1200Bx1	2
Mitsui Engineering & Shipbuilding	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	56K DWT	1200Bx1	1
Mitsui Engineering & Shipbuilding	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	66K DWT	1200Bx1	1
Mitsui Engineering & Shipbuilding	Ionic Holdings Inc	Bulk Carrier	60K DWT	900Bx1	2
Mitsui Engineering & Shipbuilding	Itochu Corp.	Bulk Carrier	60K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	Kassian	Bulk Carrier	82K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	MINGTAI NAVIGATION CO., LTD.	Bulk Carrier	56K DWT	1000Bx1	2
Mitsui Engineering & Shipbuilding	MINGTAI NAVIGATION CO., LTD.	Bulk Carrier	56K DWT	1000Bx1	1
Mitsui Engineering & Shipbuilding	MMSL	Bulk Carrier	66K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	MMSL	Bulk Carrier	66K DWT	900Bx1	1
Mitsui Engineering & Shipbuilding	Seatrade	Bulk Carrier	60K DWT	900Bx2	1
Mitsui Engineering & Shipbuilding	Seascope shipping agency	Bulk Carrier	60K DWT	900Bx1	2
New Times Shipbuilding	Lemissoler Navigation	Bulk Carrier	65K DWT	1800Bx1	4
NACKS	Winning Shipping	Bulk Carrier	208K DWT	3200Bx2	2
NACKS	CMB Finalcial Leasing	Bulk Carrier	61K DWT	900Bx2	2
NACKS	Equinox	Bulk Carrier	61K DWT	900Bx2	2
NACKS	Itochu Corp.	Bulk Carrier	61K DWT	900Bx2	2
NACKS	John Samonas & Sons	Bulk Carrier	209K DWT	3200Bx2	2
NACKS	JOSCO	Bulk Carrier	61K DWT	900Bx2	4
NACKS	Kumiai Navigation	Bulk Carrier	209K DWT	3200Bx2	2
NACKS	MMSL	Bulk Carrier	61K DWT	900Bx2	1
NACKS	MMSL	Bulk Carrier	60K DWT	900Bx2	1
NACKS	MMSL JAPAN LTD	Bulk Carrier	60K DWT	900Bx2	4
NACKS	Nomikos	Bulk Carrier	61K DWT	900Bx2	3
NACKS	Oceanbulk Maritime S.A	Bulk Carrier	61K DWT	900Bx2	4
NACKS	Portline Bulk International S.A.	Bulk Carrier	61K DWT	900Bx2	3
NACKS	Helikon Shpg. Ent.	Bulk Carrier	61K DWT	900Bx2	1
Naikai Zosen	J.&J. Denholm Limited	Bulk Carrier	38K DWT	1350Bx1	2
Naikai Zosen	Kotoku Kaiun	General Vessel	38K DWT	1350Bx1	1
Namura Shipbuilding	Doun Kisen	Bulk Carrier	183K DWT	2400Bx2	1

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Namura Shipbuilding	Fortune Ocean Shpg.	Bulk Carrier	34K DWT	1000Bx1	4
Namura Shipbuilding	Fukujin Kisen Co., Ltd	Bulk Carrier	183K DWT	2400Bx2	1
Namura Shipbuilding	GOULANDRIS BROTHERS LIMITED	Bulk Carrier	82K DWT	1200Bx2	2
Namura Shipbuilding	K-LINE	VLOC	250K DWT	3000Bx2	2
Namura Shipbuilding	MST Mineralien Schifffahrt Spedition und Transport GmbH	Bulk Carrier	34K DWT	600Bx2	2
Namura Shipbuilding	Rio Tinto Group	VLOC	250K DWT	3600Bx1	1
Namura Shipbuilding	Rio Tinto Group	Bulk Carrier	88K DWT	2400Bx2	2
Namura Shipbuilding	Rio Tinto Group	VLOC	250K DWT	3600Bx2	1
Namura Shipbuilding	SEALINK International BHD	Bulk Carrier	34K DWT	600Bx2	2
Namura Shipbuilding	Sincere Nav.	Bulk Carrier	340K DWT	1000Bx1	1
Namura Shipbuilding	TTC	Bulk Carrier	208K DWT	2400BX2	1
Namura Shipbuilding	Wisdom Marine Lines	Bulk Carrier	82K DWT	1200Bx2	3
NYZJ	Carisbrooke Shipping	Cargo Carrier	10K DWT	600Bx1	2
NYZJ	MMS	Bulk Carrier	82K DWT	1450Bx2	5
Onomichi Dockyard	MMSL	Bulk Carrier	60K DWT	900Bx2	2
Oshima Shipbuilding	Ultra Bulk	Bulk Carrier	64K DWT	2000Bx1	1
Oshima Shipbuilding	Cobelfret N.V.	Bulk Carrier	87K DWT	3000Bx1	1
Oshima Shipbuilding	Cobelfret N.V.	Bulk Carrier	60K DWT	1600Bx1	2
Oshima Shipbuilding	Cobelfret N.V.	Bulk Carrier	92K DWT	3000Bx1	1
Oshima Shipbuilding	Cobelfret N.V.	Bulk Carrier	92K DWT	3200Bx1	1
Oshima Shipbuilding	DAIICHI CHUO KISEN KAISHA	Bulk Carrier	56K DWT	1200Bx2	1
Oshima Shipbuilding	Doun Kisen Co.Ltd.	Bulk Carrier	60K DWT	1600Bx1	1
Oshima Shipbuilding	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	56K DWT	1600Bx1	3
Oshima Shipbuilding	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	62K DWT	1600Bx1	1
Oshima Shipbuilding	InterOcean	Bulk Carrier	56K DWT	1600Bx1	1
Oshima Shipbuilding	IVS	Bulk Carrier	60K DWT	1600Bx1	1
Oshima Shipbuilding	Jinhui Shpg. & Trans	Bulk Carrier	60K DWT	2000Bx1	1
Oshima Shipbuilding	Kaisho Shipping Co.	Bulk Carrier	56K DWT	1600Bx1	1
Oshima Shipbuilding	Kastamonu Entegre	Chip Carrier	38K DWT	1200Bx1	1
Oshima Shipbuilding	Kobe Shipping	Bulk Carrier	56K DWT	1600Bx1	2
Oshima Shipbuilding	Kumiai Navigation	Bulk Carrier	60K DWT	1600Bx1	1
Oshima Shipbuilding	Kumiai Navigation	Bulk Carrier	60K DWT	1800Bx1	1
Oshima Shipbuilding	MOL	Bulk Carrier	58K DWT	1600Bx1	1
Oshima Shipbuilding	MOL	Open Hatch Cover Bulk Carrier	58K DWT	600Bx2	1
Oshima Shipbuilding	NBP	Bulk Carrier	37K DWT	1800Bx1	1
Oshima Shipbuilding	Nordic Bulk Carriers	Bulk Carrier	77K DWT	3000Bx1	4
Oshima Shipbuilding	Nordic Bulk Carriers	Bulk Carrier	60K DWT	1600Bx1	2
Oshima Shipbuilding	Ocean Longevity	Bulk Carrier	37K DWT	1200Bx1	3
Oshima Shipbuilding	Orix Maritime	Bulk Carrier	37K DWT	1200Bx1	2
Oshima Shipbuilding	Rio Tinto Group	Open Hatch Cover Bulk Carrier	70K DWT	1600Bx2	1
Oshima Shipbuilding	Rio Tinto Group	Bulk Carrier	70K DWT	1600Bx2	1
Oshima Shipbuilding	Santoku Shippng	Bulk Carrier	37K DWT	1200Bx1	1
Oshima Shipbuilding	shunzan Kaiun	Bulk Carrier	56K DWT	1600Bx1	1
Oshima Shipbuilding	Soc. Nav. Ultragas	Bulk Carrier	37K DWT	600Bx2	1
Oshima Shipbuilding	Sumitomo Coporation	Bulk Carrier	60K DWT	1600Bx2	1

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Oshima Shipbuilding	Ta Ho Maritime	Bulk Carrier	84K DWT	3000Bx1	2
Oshima Shipbuilding	Taiship	Bulk Carrier	82K DWT	3000Bx1	1
Oshima Shipbuilding	Taiwan Navigation	Bulk Carrier	62K DWT	2000Bx1	2
Oshima Shipbuilding	Taiwan Navigation	Bulk Carrier	60K DWT	2000Bx1	2
Oshima Shipbuilding	Tata NYK	Bulk Carrier	77K DWT	3000Bx1	1
Oshima Shipbuilding	Ultra Bulk	Bulk Carrier	37K DWT	600Bx2	1
Oshima Shipbuilding	Ultra Bulk	Bulk Carrier	37K DWT	600Bx1	1
Oshima Shipbuilding	Ultra Bulk	Bulk Carrier	64K DWT	2000Bx1	2
Oshima Shipbuilding	Unison Marine	Bulk Carrier	37K DWT	1200Bx1	1
Oshima Shipbuilding	United Ocean	Bulk Carrier	58K DWT	2600Bx1	1
Oshima Shipbuilding	Wisdom Marine Lines	Bulk Carrier	62K DWT	1600Bx1	1
Oshima Shipbuilding	ZODIAC	Bulk Carrier	60K DWT	1600Bx1	1
Ouhua	China Nav.	Bulk Carrier	39K DWT	900Bx2	8
Ouhua	Ouhua Shipyard	Bulk Carrier	82K DWT	1200Bx2	2
Penglai, Zhongbai	Laskaridis Shpg	Bulk Carrier	82K DWT	1200Bx2	2
Penglai, Zhongbai	Laskaridis Shpg	Bulk Carrier	82K DWT	1200Bx2	4
Qingshan	TMS	Bulk Carrier	43K DWT	900Bx2	4
Qingshan	TMS	Bulk Carrier	43K DWT	900Bx2	6
Sainty	NET	Bulk Carrier	64K DWT	900Bx2	4
Sainty	Precious	Bulk Carrier	64K DWT	900Bx2	4
Sainty	Sainty	Bulk Carrier	64K DWT	900Bx2	6
Sanoyas Shipbuilding	Cobelfret N.V.	Bulk Carrier	82K DWT	1350Bx2	2
Sanoyas Shipbuilding	Doun Kisen Co.Ltd.	Bulk Carrier	60K DWT	750Bx1	2
Sanoyas Shipbuilding	Doun Kisen Co.Ltd.	Bulk Carrier	120K DWT	1800Bx1	1
Sanoyas Shipbuilding	Itochu Corp.	Bulk Carrier	60K DWT	750Bx1	1
Sanoyas Shipbuilding	Samos	Bulk Carrier	82K DWT	1350Bx1	1
Sasebo Heavy Industries	DST Shipping Inc.	Bulk Carrier	75K DWT	1000Bx2	1
Sasebo Heavy Industries	Ionic Holdings Inc	Bulk Carrier	85K DWT	1600Bx2	1
Sasebo Heavy Industries	Kotobuki Kaiun	Bulk Carrier	85K DWT	1600Bx2	1
Sasebo Heavy Industries	Third Millenium Shpg	Bulk Carrier	85K DWT	1600Bx2	1
Sasebo Heavy Industries	Valiant Shpg. S.A.	Bulk Carrier	77K DWT	1600Bx2	2
Sasebo Heavy Industries	Wisdom Marine Lines	Bulk Carrier	75K DWT	1000Bx2	2
Sasebo Heavy Industries	Transmed shipping	Bulk Carrier	85K DWT	1800BX1	2
Shin Kurushima Dockyard	Dowa Line Co., Ltd	Bulk Carrier	7K DWT	600Bx1	1
Shikoku Dockyard	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	36K DWT	900Bx1	4
Shikoku Dockyard	HSIN CHIEN MARINE CO., LTD	Bulk Carrier	38K DWT	1000Bx1	1
Shikoku Dockyard	Kumiai Navigation	Bulk Carrier	36K DWT	900Bx1	1
Shin Kochi Juko	DOWA LINE	Bulk Carrier	7K DWT	600Ax1	2
Shin Kochi Juko	Dowa Line Co., Ltd	Bulk Carrier	16K DWT	600Bx1	1
SHITANOE SHIPBUILDING	Seibu Tanker	Bulk Carrier	3K DWT	300Bx1	1
Sinopacific Shipbuilding Group Co., Ltd.	Euroseas Ltd	Bulk Carrier	63K DWT	1000Bx1	2
SKDY	MMI	Bulk Carrier	33K DWT	1000Bx1	1
SKDY	DOWA LINE	Bulk Carrier	7K DWT	600Bx1	4
SKDY	DOWA LINE	Bulk Carrier	7K DWT	600Ax1	8
SKDY	DOWA LINE	General Vessel	7K DWT	600Bx1	1
SKDY	DOWA LINE	Cargo Carrier	7K DWT	600Bx1	1
SKDY	DOWA LINE	Bulk Carrier	16K DWT	600Bx1	2
SKDY	Glory Navigation Co.	Bulk Carrier	7K DWT	300Bx1	2
STX offshore & shipbuilding	Mitsubishi Corporation	Bulk Carrier	83K DWT	1000Bx2	4
STX offshore & shipbuilding	STX Pan Ocean	Open Hatch Cover Bulk Carrier	57K DWT	1000Bx2	5

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
STX(Dalian)	MSC	Bulk Carrier	92K DWT	1600Bx2	1
STX(Dalian)	MSC	Bulk Carrier	105K DWT	2000Bx2	2
STX(Dalian)	STX Pan Ocean	Open Hatch Cover Bulk Carrier	57K DWT	1000Bx2	2
Sungdong	H-Line	Bulk Carrier	150K DWT	2600Bx2	2
Sungdong	SK Shipping	Bulk Carrier	150K DWT	2600Bx2	2
SWS	Oak Maritime	Bulk Carrier	82K DWT	1200Bx2	2
SWS	Scorpio Group	Bulk Carrier	82K DWT	1200Bx2	2
SWS	Thenamaris	Bulk Carrier	180K DWT	3000Bx2	3
Tianjin Xingang	LDA	Bulk Carrier	180K DWT	3600Bx2	2
Tianjin Xingang	LDA	Bulk Carrier	40K DWT	2000Ax1	8
Tianjin Xingang	MTM	Bulk Carrier	40K DWT	2000Bx1	4
Tsuneishi Shipbuilding	KAMBARA KISEN	Bulk Carrier	82 DWT	1600Bx2	3
Tsuneishi Shipbuilding		Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding		Bulk Carrier	98K DWT	1800Bx2	8
Tsuneishi Shipbuilding		Bulk Carrier	98K DWT	1800Ax2	6
Tsuneishi Shipbuilding		Bulk Carrier	58K DWT	750Bx2	5
Tsuneishi Shipbuilding		Bulk Carrier	58K DWT	1600Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	58K DWT	1000Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	66K DWT	1000Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	81K DWT	1600Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	82K DWT	750Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	58K DWT	750Bx2	2
Tsuneishi Shipbuilding		Bulk Carrier	76K DWT	750Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	64K DWT	1000Bx2	20
Tsuneishi Shipbuilding		Bulk Carrier	58K DWT	1000Bx2	20
Tsuneishi Shipbuilding		Bulk Carrier	45K DWT	1200Bx1	1
Tsuneishi Shipbuilding		Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	64K DWT	900Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	64K DWT	900Bx2	2
Tsuneishi Shipbuilding		Bulk Carrier	64K DWT	900Bx2	3
Tsuneishi Shipbuilding		Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Abo shoten	Bulk Carrier	82K DWT	2000Bx1	1
Tsuneishi Shipbuilding	Chios Navigation	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Chios Navigation	Bulk Carrier	58K DWT	750Bx2	3
Tsuneishi Shipbuilding	Chofuku Kisen	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding	Doun Kisen Co.Ltd.	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Doun Kisen K.K.	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Erasmus shipinvest	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Fortune Ocean Shpg.	Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Fukujin Kisen Co., Ltd	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	GEAR BULK (UK) LTD.	Bulk Carrier	45K DWT	1200Bx1	2
Tsuneishi Shipbuilding	GEAR BULK (UK) LTD.	Bulk Carrier	82K DWT	1200Bx1	1
Tsuneishi Shipbuilding	Great Eastern Nav.	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Great Eastern Shpg.	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Helikon Shpg. Ent.	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding	Hisafuku Kisen	Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Imura	Bulk Carrier	58K DWT	750Bx2	2
Tsuneishi Shipbuilding	Itochu Corp.	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	J.P.SAMARTZIS MARITIME ENTERPRISES Co., S.A	Bulk Carrier	58K DWT	750Bx2	2
Tsuneishi Shipbuilding	KAMBARA KISEN	Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Kambara Kisen	Bulk Carrier	82K DWT	1600Bx2	7

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Tsuneishi Shipbuilding	Kambara Kisen	Bulk Carrier	64K DWT	900Bx2	5
Tsuneishi Shipbuilding	Kambara Kisen	Bulk Carrier	82K DWT	750Bx2	1
Tsuneishi Shipbuilding	Kambara Kisen	Bulk Carrier	58K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Kasuga Shipping	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Kotobuki Kaiun	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Kumiai Navigation	Bulk Carrier	35K DWT	1000Bx2	2
Tsuneishi Shipbuilding	Marubeni	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	MC shipping Ltd.	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding	MC shipping Ltd.	Bulk Carrier	58K DWT	1000Bx2	1
Tsuneishi Shipbuilding	Miyazaki Sangyo Kaiun	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	MMSL	Bulk Carrier	73K DWT	2000Bx1	2
Tsuneishi Shipbuilding	MOL	Bulk Carrier	98K DWT	1800Bx2	1
Tsuneishi Shipbuilding	MOL	Bulk Carrier	82K DWT	1600Bx2	3
Tsuneishi Shipbuilding	Mykonos Shpg. Co.	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding	Neda Maritime Agency	Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Nisshin	Bulk Carrier	82K DWT	750Bx2	1
Tsuneishi Shipbuilding	Nisshin	Bulk Carrier	58K DWT	750Bx2	2
Tsuneishi Shipbuilding	Noma Shipping Co., Ltd	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	Orix Maritime	Bulk Carrier	64K DWT	900Bx2	1
Tsuneishi Shipbuilding	Pacific Basin Shpg.	Bulk Carrier	58K DWT	750Bx2	2
Tsuneishi Shipbuilding	Sea Pioneer	Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Santoku Shippng	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	TAURUSKY Shipping	Bulk Carrier	82K DWT	1600Bx2	1
Tsuneishi Shipbuilding	TAURUSKY Shipping	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding	U-Ming Marine Transport Corporation	Bulk Carrier	98K DWT	1800Bx2	1
Tsuneishi Shipbuilding	Uni-Asia Holdings Limited	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding	United Ocean	Bulk Carrier	58K DWT	1000Bx2	1
Tsuneishi Shipbuilding	United Ocean	Bulk Carrier	58K DWT	750Bx2	3
Tsuneishi Shipbuilding	United Ocean	Bulk Carrier	85K DWT	750Bx2	1
Tsuneishi Shipbuilding	Wisdom Marine Lines	Bulk Carrier	82K DWT	1600Bx2	5
Tsuneishi Shipbuilding	Wisdom Marine Lines	Bulk Carrier	35K DWT	1200Bx1	3
Tsuneishi Shipbuilding	Wisdom Marine Lines	Bulk Carrier	82K DWT	1600Bx2	2
Tsuneishi Shipbuilding	Wisdom Marine Lines	Bulk Carrier	45K DWT	1200Bx1	3
Tsuneishi Shipbuilding	Wisdom Marine Lines	Bulk Carrier	98K DWT	1800Ax2	2
Tsuneishi Shipbuilding	zurich	Bulk Carrier	58K DWT	750Bx2	1
Tsuneishi Shipbuilding		Bulk Carrier	81K DWT	1600Bx2	1
Yangfan	KOREA LINE CORPORATION	Bulk Carrier	64K DWT	900Bx2	2
Yangfan	Uni Shipping	Bulk Carrier	40K DWT	900Bx2	2
	Arklow Shipping	General Cargo	4K DWT	300Bx1	1
	MMSL	Bulk Carrier	58K DWT	1000Bx2	1
	Shih Wei Navigation	Bulk Carrier	30K DWT	600Bx1	1
	Shih Wei Navigation	Bulk Carrier	76K DWT	1600Bx1	1
	Winning Shipping	Bulk Carrier	58K DWT	750x2	1
	Winning Shipping	Bulk Carrier	58K DWT	750x2	1
	HaiYou Ship Management	Bulk Carrier	79K DWT	1350Bx2	1
	Wisdom Marine Lines	Bulk Carrier	60K DWT	1000Bx2+600Bx1	1
	Wisdom Marine Lines	Bulk Carrier	60K DWT	1000Bx1	1
	Wisdom Marine Lines	Bulk Carrier	62K DWT	1000Bx1	1
	Wisdom Marine Lines	Bulk Carrier	58K DWT	1000Bx1	1
	Wisdom Marine Lines	Bulk Carrier	58K DWT	1000Bx1	1
	Wisdom Marine Lines	Bulk Carrier	58K DWT	1000Bx1	1
	Wisdom Marine Lines	Bulk Carrier	32K DWT	1000Bx1	1

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
	HaiYou Ship Management	Bulk Carrier	79K DWT	1350Bx2	1
Yangzhou Dayang	SUMEC SHIPPING	Bulk Carrier	63K DWT	1000Bx1	1
Yangzhou Dayang	SUMEC SHIPPING	Bulk Carrier	82K DWT	1200Bx1	1
Zhoushan Changhong International	New yangtze Navigation(Hong Kong)	Bulk Carrier	82K DWT	1350Bx2	1
Zhejiang	Hongxin shipping	Bulk Carrier	82K DWT	1200Bx1	1
Zhejiang	Franco Compania Naviera	Bulk Carrier	63K DWT	1000Bx2	1
				Total	710

Tanker

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Daewoo Shipbuilding	AET Shipmanagement (Singapore) Pte Ltd	VLCC	320K DWT	Ex3000Bx2 + 600Bx1	2
Daewoo Shipbuilding	AET Shipmanagement (Singapore) Pte Ltd	VLCC	320K DWT	Ex3000Bx2 + 600Ax1	2
Daewoo Shipbuilding	Hyundai Shipping	VLCC	300K DWT	Ex3000Bx2+ 450Bx1	5
Daewoo Shipbuilding	Apollo Asset	VLCC	300K DWT	Ex3000Bx2+ 450Bx1	4
Daewoo Shipbuilding	Pantheon Tankers	VLCC	300K DWT	Ex3000Bx2+ 450Bx1	2
Daewoo Shipbuilding	Hartree Partners	VLCC	300K DWT	Ex3000Bx2+ 450Bx1	2
Daewoo Shipbuilding	Korea Line Corporation	VLCC	300K DWT	Ex3000Bx2+ 450Bx1	2
Daewoo Shipbuilding	Hartree Partners	VLCC	300K DWT	Ex3000Bx2+ 450Bx1	2
Daesun Shipbuilding	GS CALTEX	Tanker	6K DWT	Ex600Bx1	1
Fukuoka Shipbuilding	FAIRFIELD	Chemical Tanker	20K DWT	Ex600Bx1	3
Fukuoka Shipbuilding	Navig8	Chemical Tanker	25K DWT	Ex1000Bx1	2
Fukuoka Shipbuilding	SIMOSA	Tanker	5K DWT	300Bx1	1
Haitong	Raffles	Tanker	18K DWT	Ex1000Bx1	2
Hyundai Heavy Industries	Marmaras	Suezmax COT	158K DWT	Ex2600Bx2 + 300Bx1	2
Hyundai Heavy Industries	NITC	VLCC	317K DWT	5400Ax1	2
Hyundai Heavy Industries	NITC	Oil Carrier	317K DWT	5400Ax1	1
SHITANOE SHIPBUILDING	Tabuchi Kaiun	Chemical Tanker	7.9K DWT	Ex600Bx1	1
Hyundai Heavy Industries	NYK Line	Chemical Tanker	105K DWT	Ex3000Ax1 + 300Bx1	1
Hyundai Heavy Industries	NYK Line	Chemical Tanker	105K DWT	Ex3000Ax2 + 300Bx1	1
Hyundai Heavy Industries	OSIL	VLCC	300K CBM	450Bx1 + Ex3000Bx2	2
Hyundai Mipo Dockyard	Alterna Capital	MR Tanker	50K DWT	1600Bx1	4
Hyundai Mipo Dockyard	Alterna Capital	PC Tanker	25K DWT	1000Bx1	6
Hyundai Mipo Dockyard	ASP Pacific Holdings	MR Tanker	49K DWT	Ex750Bx2 + 300Bx1	1
Hyundai Mipo Dockyard	CIDO Shipping	MR Tanker	50K DWT	1600Bx1	8
Hyundai Mipo Dockyard	Dong-a Tanker	MR Tanker	50K DWT	Ex750Bx2 + 300Bx1	2
Hyundai Mipo Dockyard	Navig8	PC Tanker	37K DWT	Ex750Bx2	24

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Hyundai Mipo Dockyard	Oman Shipping Company S.A.O.C	PC Tanker	37K DWT	300Bx1 + Ex900Bx2	2
Hyundai Mipo Dockyard	Oman Shipping Company S.A.O.C	PC Tanker	37K DWT	Ex900Bx2 + 300Bx1	8
Hyundai Mipo Dockyard	Peninsula	PC Tanker	17K DWT	750Bx1	2
Hyundai Mipo Dockyard	Samos	PC Tanker	520K DWT	Ex900Bx2 + 300Bx1	1
Hyundai Mipo Dockyard	TRISTAR	PC Tanker	37K DWT	Ex900Bx2 + 300Bx1	6
Hyundai Mipo Dockyard	Uniseas	PC Tanker	50K DWT	900Bx2 + 300Bx1	1
Hyundai Mipo Dockyard	Uniseas	PC Tanker	50K DWT	Ex900Bx2 + 300Bx1	3
Hyundai Samho Shipbuilding	SCF Group	Oil Carrier	114K DWT	Ex1600Bx2 + 300Bx1	3
Hyundai Samho Shipbuilding	Ditas-Denizcilik	Suezmax COT	158K DWT	Ex2000Bx2 + 300Bx1	2
Hyundai Samho Shipbuilding	Sovcomflot Group	COT	114K DWT	Ex1600Bx2 + 300Bx1	2
Hyundai Samho Shipbuilding	SCM	White Oil Tanker	4K DWT	300Ax2	1
Hyundai Vinashin Shipyard	Wilmar Holdings	Oil Carrier	49K DWT	Ex750Bx2	2
Hyundai Vinashin Shipyard	Wilmar Holdings	Oil Carrier	49K DWT	Ex750Bx2 + 300Bx1	2
IHIMU	JX Tanker	VLCC	317K DWT	Ex3600Bx2	1
IHIMU	JX Tanker	Aframax Tanker	120K DWT	Ex1450Bx1 + Ex3000Bx1	1
JMU (Japan Marine United Corporation)	Idemitsu Tanker	VLCC	300K DWT	Ex3600Bx2	1
JMU (Japan Marine United Corporation)	JX Shipping	VLCC	317K DWT	Ex3600Bx2	1
JMU (Japan Marine United Corporation)	JX Tanker	Aframax Tanker	120K DWT	450Bx1 + Ex3000Bx1	1
JMU (Japan Marine United Corporation)	MOL	VLCC	311K DWT	Ex3600Bx2	2
Kitanihon Shipbuilding	K-LINE	Chemical Tanker	33K DWT	Ex1200Bx1	2
Kitanihon Shipbuilding	Navig8	Chemical Tanker	25K DWT	Ex1000Bx1	6
Kitanihon Shipbuilding	Tsurumi Sun Marine	Chemical Tanker	58K DWT	Ex300Bx2	1
Mitsui Engineering & Shipbuilding	Mitsui O.S.K. Lines, Ltd.	VLCC	310K DWT	450Bx1 + Ex4000Bx2	1
Mitsui Engineering & Shipbuilding	Mitsui O.S.K. Lines, Ltd.	VLCC	310K DWT	Ex4000Bx2 + 450Bx1	1
Mitsui Engineering & Shipbuilding	Mitsui O.S.K. Lines, Ltd.	VLCC	310K DWT	450Bx1 + Ex4000Bx2	1
NACKS	Mitsui O.S.K. Lines, Ltd.	VLCC	311K DWT	450Bx1 + Ex3600Bx2	1
Naikai Zosen	Odyssey Maritime	Tanker	19K DWT	Ex900Bx1	1
Naikai Zosen	New Ocean Shipmanagement	Tanker	19K DWT	Ex900Bx1	2
Namura Shipbuilding	Diamond Tanker Pte. Ltd.	Aframax Tanker	115K DWT	Ex1800Bx2 + 450Bx1	1
Namura Shipbuilding	Ionic Holdings Inc	Oil Carrier	115K DWT	Ex1800Bx2 + 450Bx1	2
Namura Shipbuilding	Samos	Aframax Tanker	115K DWT	Ex1800Bx2 + 451Bx1	1
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	APT	Chemical Tanker	50K DWT	Ex750Bx2 + 450Bx1	1

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	APT	Chemical Tanker	50K DWT	450Bx1 + Ex750Bx2	2
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	APT	Chemical Tanker	50K DWT	450Bx1 + Ex900Bx2	2
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	Seacor Holdings Inc.	MR Tanker	50K DWT	450Bx1 + Ex900Bx2	2
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	Seacor Holdings Inc.	MR Tanker	50K DWT	Ex750Bx2 + 450Bx1	1
New Times Shipbuilding	Dong-a Tanker	Suezmax COT	158K DWT	Ex5000Bx1 + 450Bx1	2
RMK Marine	Ditas-Denizcilik	Chemical Tanker	19K DWT	600Bx1	2
Sasebo Heavy Industry	K-line	Aframax Tanker	113K DWT	Ex1600Bx2+450Bx1	2
SHITANOE SHIPBUILDING	Daiichi Tanker Co.	Chemical Tanker	13K DWT	600Bx1	1
SHITANOE SHIPBUILDING	I.G.T	Molten Sulpher Carrier	1K DWT	150Bx1	1
SHITANOE SHIPBUILDING	I.G.T	Chemical Tanker	1K DWT	150Bx1	1
SHITANOE SHIPBUILDING	KSS line	Chemical Tanker	8K DWT	Ex300Ax1	2
SHITANOE SHIPBUILDING	Tabuchi Kaiun	Chemical Tanker	3K DWT	Ex300Bx1	1
SHITANOE SHIPBUILDING	Tabuchi Kaiun	Chemical Tanker	7K DWT	Ex600Bx1	1
SPP Shipbuilding	Glencore UK Ltd	MR Tanker	50K DWT	Ex750Bx2 + 300Bx1	2
STX offshore & shipbuilding	Alterna Capital	Tanker	50K DWT	1300Bx1	3
STX offshore & shipbuilding	ELKA	MR Tanker	51K DWT	450Bx1 + Ex2000Bx1	5
STX offshore & shipbuilding	European Nav.	Shuttle Tanker	155K DWT	Ex2600Bx2 + 450Bx1	2
STX offshore & shipbuilding	STX Pan Ocean	PC Tanker	12K DWT	300Ax2	2
Sungdong	Break Water	MR Tanker	50K DWT	Ex900Bx2 + 300Bx1	6
Sungdong	Nisshin	PC Tanker	74K DWT	600Bx1 + Ex3000Bx1	3
Sungdong	Nisshin	Product Carrier	74K DWT	600Bx1 + Ex3000Bx1	2
Sungdong	Tankerska Plovidba	Aframax Tanker	115K DWT	Ex3000Bx1 + 450Bx1	2
Taizhou Maple Shipbuilding	Maple Shipping	Oil Tanker	19K DWT	Ex600Bx1	2
Total					197

LNG/LPG

Shipyard	Owner	Vessel Type	Vessel Size	Items	# of Vessels
Daewoo Shipbuilding	CHANDRIS (HELLAS) INC.	LNG Carrier	173K CBM	3000Bx2	2
Daewoo Shipbuilding	Excelerate Energy	LNG FSRU	173K DWT	2600Bx2	1
Daewoo Shipbuilding	Hyundai LNG	LNG Carrier	174K DWT	3000Bx2	2
Daewoo Shipbuilding	Korea lines	LNG Carrier	174K CBM	3000Bx2	2
Daewoo Shipbuilding	MOL	LNG Carrier	180K CBM	3200Bx2	1
Daewoo Shipbuilding	Yamal LNG	LNG Carrier	172K DWT	3600Bx2	15
Daewoo Shipbuilding	Maran Gas Maritime Inc	LNG Carrier	173K DWT	2600Bx2	1
Dajiang	Hartmann	LPG Carrier	5K CBM	300Ax1	6
	Laperouse	LPG Tanker	22.5K DWT	1000Bx1	1
Fukuoka Shipbuilding	Tabuchi Kaiun	LPG Carrier	3K CBM	300Bx1	1
Hanjin Heavy Industries	Global United Shipping	LPG Carrier	38K DWT	1000Bx1	2
Hanjin Heavy Industries	NYK Line	LNG Carrier	4K DWT	600Bx1	1
Hyundai Heavy Industries	Aurora LPG holding	LPG Carrier	84K DWT	900Bx2	6
Hyundai Heavy Industries	Dynagas	LNG Carrier	162K DWT	3000Bx2	3

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Hyundai Heavy Industries	Dynagas	LNG Carrier			1
Hyundai Heavy Industries	Gazprom	LNG Carrier	174K DWT	3000Bx2	1
Hyundai Heavy Industries	Hoegh LNG	LNG FSRU	170K CBM	2600Bx2	1
Hyundai Heavy Industries	Hoegh LNG	LNG Carrier	170K DWT	2600Bx2	1
Hyundai Heavy Industries	Hoegh LNG	LNG FSRU	170K DWT	2600Bx2	4
Hyundai Heavy Industries	Kumiai Senpaku K.K.	LPG Carrier	84K CBM	900Bx2	1
Hyundai Heavy Industries	Oman Shipping Company S.A.O.C	LNG Carrier	162K DWT	2600Bx2	1
Hyundai Heavy Industries	Petreddec	LPG Carrier	60K DWT	900Bx2	12
Hyundai Heavy Industries	Petreddec	LPG Carrier	78K DWT	900Bx2	2
Hyundai Heavy Industries	SK Shipping	LPG Carrier	84K CBM	900Bx2	2
Hyundai Heavy Industries	Skibs. Solvang	LPG Carrier	60K DWT	900Bx2	3
Hyundai Heavy Industries	Skibs. Solvang	LPG Carrier	84K DWT	1000Bx2	2
Hyundai Heavy Industries	Unique Shipping (H.K.) Ltd.	LPG Carrier	84K CBM	900Bx2	2
Hyundai Mipo Dockyard		LPG Carrier	38K DWT	600Bx2	1
Hyundai Mipo Dockyard	Eastern Pacific	LPG Carrier	38K DWT	600Bx2	4
Hyundai Mipo Dockyard	Geogas	LPG Carrier	35K DWT	600Bx2	1
Hyundai Mipo Dockyard	KSS line	LPG Carrier	35K DWT	600Bx2	1
Hyundai Mipo Dockyard	Phoenix	LPG Carrier	38K CBM	600Bx2	1
Hyundai Mipo Dockyard	Eastern Pacific	LPG Carrier	32K DWT	600Bx2	2
Hantong	Petreddec	LPG Carrier	22K CBM	600Bx1	2
	SM KLC	LPG Carrier	145K DWT	3000Bx2	1
Hantong	Petreddec	LNG Carrier	21K CBM	600Bx1	4
Kawasaki Heavy Industries	N.S United K.K	LPG Carrier	82K DWT	2000Bx1	1
Kawasaki Heavy Industries	K-LINE	LPGC/LNGC	82K CBM	2000Bx1	2
Kawasaki Heavy Industries	Kumiai Navigation	LPG Carrier	820K DWT	2000Bx1	1
Kawasaki Heavy Industries	Kumiai Navigation	LPG Carrier	82K CBM	2000Bx1	1
Kawasaki Heavy Industries	NS United K.K.	LPG Carrier	82K CBM	2000Bx1	1
Kitanihon Shipbuilding	Hwei Li Shipping	LPG Carrier	3K DWT	300Bx1	1
Kitanihon Shipbuilding	Kyokuyo Kaiun	LNG Carrier	3K DWT	300Bx1	1
Kyokuyo Shipyard	Petreddec	LPG Carrier	11K DWT	300Bx1	2
MHI-Nagasaki	JX OCEAN Co., Ltd	LPG Carrier	84K DWT	750Bx2	1
MHI-Nagasaki	KSS line	LPG Carrier	78K DWT	1000Bx2	1
Mitsubishi	JX OCEAN Co., Ltd	LPG Carrier	83K DWT	750Bx2	1
Samsung Heavy Industries	SK Shipping	LNG Carrier	174K CBM	3000Bx2	2
SHITANOE SHIPBUILDING		LPG Carrier	3K CBM	300Bx1	1
SHITANOE SHIPBUILDING	AST Inc.	LPG Carrier	3K DWT	300Bx1	1
SHITANOE SHIPBUILDING	BLT Chembulk	LPG Carrier	3K DWT	300Bx1	3
SHITANOE SHIPBUILDING	Daichi Tanker Co.	LPG Carrier	3K DWT	300Ax1	1
SHITANOE SHIPBUILDING	Duckyang Shipping	LPG Carrier	3K CBM	300Bx1	1
SHITANOE SHIPBUILDING	I.G.T	LPG Carrier	3K DWT	300Bx1	1
SHITANOE SHIPBUILDING	I.G.T	LPG Carrier	1K DWT	150Bx1	1
SHITANOE SHIPBUILDING	Iino Gas Transport	LPGC/LNGC	3K DWT	300Bx1	1
SHITANOE SHIPBUILDING	IINO MARINE SERVICE	LPG Carrier	1K CBM	150Bx1	1
SHITANOE SHIPBUILDING	KSS line	LPG Carrier	3K DWT	300Ax1	1
SHITANOE SHIPBUILDING	Nippon Gas Line	LPG Carrier	3K DWT	300Bx1	1
SHITANOE SHIPBUILDING	Orkim management sdn bhd	LPG Carrier	3K DWT	300Bx1	1
SHITANOE SHIPBUILDING	Orkim management sdn bhd	LPG Carrier	3K CBM	300Bx1	1
SHITANOE SHIPBUILDING	Tabuchi Kaiun	LPG Carrier	3K CBM	300Bx1	1
SHITANOE SHIPBUILDING	Tabuchi Kaiun	LPG Carrier	3K CBM	300Bx1	3
Hantong	Petreddec	VLGC	84K CBM	1600Bx1	4
Zhejiang	Hartmann	LNG Carrier	36K CBM	300Bx2	2

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
				Total	134

Container

Shipyard	Owner	Vessel Type	Vessel Size	Items	# of Vessels
Daesun Shipbuilding	Cosmos Ship Management	Container	1000TEU	300Ax2	2
Daesun Shipbuilding	Dongjin Shipping	Container	1000TEU	300Ax1	1
Daesun Shipbuilding	Heung-A	Container	1800TEU	300Bx1	3
Daesun Shipbuilding	Namsung Shipping	Container	1000TEU	300Bx1	2
Daesun Shipbuilding	Namsung Shipping	Container	962TEU	300Ax2	4
Daesun Shipbuilding	Qatar Nav.	Container	1015TEU	300Ax2	4
Daesun Shipbuilding	SITC	Container	953TEU	300Ax1	1
Daewoo Shipbuilding	NOL	Container	10700TEU	1000Bx1	1
Daewoo Shipbuilding	NOL	Container	10700TEU	1000Ax1	5
Daewoo Shipbuilding	NOL	Container	9200TEU	1000Bx1	12
Hanjin Heavy Industries	Delphis	Container	3800TEU	600Bx2	4
Hyundai Heavy Industries	NOL	Container	10700TEU	1000Ax1	2
Hyundai Mipo Dockyard	CK Lines	Container	1900TEU	600Bx1	2
Hyundai Mipo Dockyard	Cldn	RORO Container	28K DWT	600Bx2	2
Hyundai Mipo Dockyard	Cldn	RORO Container	20K DWT	1000Bx1	4
Hyundai Mipo Dockyard	Dong-a Tanker	Container	1000TEU	300Bx2	2
Hyundai Mipo Dockyard	Dongyoung Shipping	Container	1000TEU	300Bx2	2
Hyundai Mipo Dockyard	KMTC	Container	2800TEU	600Bx1	2
Hyundai Mipo Dockyard	Namsung Shipping	Container	1600TEU	600Bx1	2
Hyundai Mipo Dockyard	NSCSA	RORO Container	26K DWT	600Bx1	1
Hyundai Mipo Dockyard	NSCSA	RORO Container	26K DWT	600Ax1	5
Kegoya Dock		RORO Container	13K DWT	300Bx1	2
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	TOTE	Container	3100TEU	750Bx1	1
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	TOTE	Container	3100TEU	750Bx2	1
NYZJ	JOSCO	Container	1900TEU	450Bx1	3
NYZJ	PIL	Container	11800TEU	1000Bx1	4
NYZJ	Regional Cont. Lines	Container	1668TEU	450Bx1	4
Sainty	Sainty	Container	1100TEU	600Bx1	2
Samsung Heavy Industries	OOCL	Container	13000TEU	1200Bx2	3
Samsung Heavy Industries	OOCL	Container	13000TEU	1200Bx2	1
Shanghai	Nile Dutch	Container	3500TEU	600Bx1	4
Sungdong	Coastmare	Container	8800TEU	1000Bx1	7
Sungdong	MSC	Container	8800TEU	1000Bx2	4
Tsuneishi Shipbuilding		Container	1020TEU	600Bx1	2
				Total	101

Others

Shipyard	Owner	Vessel Type	Vessel Size	Items	# of Vessels
Daewoo Shipbuilding	NDLO	Speical Purpose Ship	40K DWT	1000Bx1	1
Hantong	Hantong	Wind Power Base Vessel	50K DWT	900Bx2	1

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
Hyundai Heavy Industries	Diamond Offshore	Semi Rig		450Bx1 + 450Bx1	1
Hyundai Heavy Industries	Noble Group Ltd.	Drill Ship		1000Ax1 + 1000Ax1	3
Hyundai Heavy Industries	Noble Group Ltd.	Drill Ship		1000Bx1 + 1000Ax1	1
Hyundai Heavy Industries	Rowan Companies	Drill Ship		600Bx1 + 600Bx1	4
Hyundai Mipo Dockyard	CIDO Shipping	PCTC	7K CEU	600Bx1	4
Hyundai Mipo Dockyard	Weidong Ferry Co Ltd	Etc.	31K DWT	600Bx1	1
Hyundai Samho Shipbuilding	CIDO Shipping	PCTC	7K UNIT	600Bx1	2
Hyundai Samho Shipbuilding	Hyundai Glovis	PCTC	7500TEU	600Bx1	2
Hyundai Samho Shipbuilding	Hyundai Glovis	PCTC	7K CEU	600Bx1	2
Hyundai Samho Shipbuilding	Wilh Wilhelmsen ASA	PCTC	8K CEU	600Bx1	4
Jingjiang Nanyang	SUMEC	Heavy Lift Vessel	15K DWT	2600Bx2	1
Jingjiang Nanyang	Taiyoung Shpg. Co.	Etc.	15K DWT	2600Bx2	1
Kanrei Shipbuilding	BINAN	Barge	37K DWT	1000Bx1	1
Larsen & Toubro Limited	BIGLIFT SHIPPING	Heavy Lift Vessel	18K DWT	1000Bx1	1
Mawei	MAC	Accomodation Support Vessel	3K DWT	300Ax1 + 300Ax1	3
Mawei	MAC	Accomodation Support Vessel	3K DWT	300Ax1 + 300Ax1	1
Mawei	MAC	Accomodation Support Vessel	84K m	300Ax1 + 300Ax1	1
Mawei	MAC	Speical Purpose Ship	68K DWT	1600Bx1 + 1600Bx1	1
Mawei	Tasik subsea mildt	Etc.	4K DWT	300Bx1	1
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	US NAVY	Heavy Lift Vessel	63K DWT	3000Bx1	2
NASSCO (NATIONAL STEEL AND SHIPBUILDING COMPANY)	US NAVY	Heavy Lift Vessel		3000Ax1 + 1800Ax1	2
Ouhua	BIGLIFT SHIPPING	Heavy Lift Vessel	18K DWT	1000Bx2	1
Ouhua	BIGLIFT SHIPPING	Heavy Lift Vessel	18K DWT	1000Bx2	1
Samsung Heavy Industries	STENA	Semi Rig		900Bx1	1
SHITANOE SHIPBUILDING	Tabuchi Kaiun	Etc.	8K CBM	300Bx1	1
Zengzhou	Dongbang	Speical Purpose Ship	18K DWT	2600Bx2	1
	Anglo-Eastern Ship Management (UK) Ltd	Etc.	1DWT	150Bx1	1
Total					47

Retrofit

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
	Namsung Shipping	Container	962 TEU	300Bx1	4
	Oceanlance Maritime	Bulk Carrier	32K DWT	600Bx1	1
	Pioneer Tanker Services	Chemical Tanker	3.5K DWT	Ex300Bx1	5
	Pioneer Tanker Services	Chemical Tanker	6.5K DWT	Ex300Bx1	1
	Pioneer Tanker Services	Chemical Tanker	12K DWT	Ex450Bx1	1
	Pioneer Tanker Services	Chemical Tanker	4K DWT	Ex450Bx1	1
	S&P Shipping	Heavy Lift Vessel	12K DWT	3000Bx2	1
	S&P Shipping	Heavy Lift Vessel	17K DWT	3000Bx2	1
	MMSL JAPAN	Bulk Carrier	82K DWT	1600Bx2	1
	NYK LNG Shipmanagement(UK)	LNG BARKA	153K DWT	3000Bx2	1
	Sangji Shipping	Sulphur Tanker	4.8K DWT	300Bx1	1
	KMTC SM	RoRo Container	1.6K TEU	300Bx1	1
	Wooyang Shipping	General Cargo	7.3K DWT	150Bx1	3
	Wisdom Marine Lines	Bulk Carrier	60K DWT	1000Bx1	1

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
	LEE & SHIPPING	LPG Carrier	3.5K DWT	450Bx1	2
	LEE & SHIPPING	LPG Carrier	5K DWT	450Bx1	1
	Dong Young Shipping	Container	13K TEU	300Bx1	1
Qingdao Beihai Shipbuilding	STX PAN OCEAN	Container	700 TEU	300Ax1	1
ChengXi Shipyard Co., Ltd	STX PAN OCEAN	Bulk Carrier	73K DWT	1200Ax2	1
Sembawang Shipyard	SM KLC	LNG Carrier	145K DWT	3000Bx2	1
	STX PAN OCEAN	Product Oil & Chemical Tanker		300Ax2	1
	SCF Management Services	Tanker	103K DWT	Ex3000Bx1+300Bx1	6
	SCF Management Services	Tanker	114K DWT	Ex3000B+ Ex1600Bx1 +300Bx1	3
	Solvang	LNG/LPG	12K DWT	600Bx1	2
	Solvang	LNG/LPG	38K DWT	1000Bx1	1
	Solvang	LNG/LPG	60K DWT	1600Bx1	6
	Solvang	LNG/LPG	75K DWT	1600Bx1	2
	Solvang	LNG/LPG	82K DWT	1600Bx1	1
	Star Bulk Carrier	VLOC	250K DWT	3600Bx2	1
	HSIN CHIEN MARINE	Bulk Carrier	82K DWT	3000Bx1	1
	MMSL	Bulk Carrier	78K DWT	3000Bx1	1
	MMSL	Bulk Carrier	82K DWT	1600Bx2	1
	MMSL	Bulk Carrier	58K DWT	750Bx2	1
	MMSL	Bulk Carrier	37K DWT	600Bx2	1
	Fuyo Kaiun	Bulk Carrier	82K DWT	3000Bx1	1
Gdansk Remontowa Shiprepair yard	Bernhard Schulte	LPG Carrier	8K CBM	450Bx1	1
JMU (Singapore repair dockyard)	JX Ocean	Tanker	120K DWT	Ex1000Bx1 +450Bx1	1
MHI-Yokohama	NYK Line	Bulk Carrier	88K DWT	2000Bx2	1
	PSM	RoRo Container	13K TEU	300Bx1	1
	KMTC SM	LNG Carrier	145K CBM	3000Bx2	1
European Repair Shipyard	ULTRAGAS	LPG Carrier	7K CBM	450Bx1	2
	Seamar Management	Bulk Carrier	52K DWT	1600Bx1	1
	Wisdom Marine Lines	Bulk Carrier		1000BX1	2
Sembawang Shipyard	SK Shipping	LPG Carrier	82K DWT	2000BX1	1
	Dong Lien Maritime	Bulk Carrier		600BX1	1
	Dowa Line	Bulk Carrier	16K DWT	600BX1	1
	NESCOS Shipping	General Cargo		300BX1	1
	Eternity Pescadores	Bulk Carrier	58K DWT	1000BX1	1
	Anglo Eastern	LPG Carrier	54K DWT	1000BX2	3
Total					77

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Country	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
S. KOREA		Container			25
S. KOREA		Container			8
S. KOREA		Container			8
S. KOREA		Tanker			9
S. KOREA		Bulk Carrier			7

Shipyard	Owner	Vessel Type	Vessel Size	ECS Model	# of Vessels
S. KOREA		PCTC			3
Japan		LNG		3000Bx1	5
Japan		Bulk Carrier	Capesize	3600Bx2	1
Japan		Bulk Carrier	Capesize	2600Bx2	4
Japan		Bulk Carrier			6
Japan		Bulk Carrier	Capesize	2800Bx2	2
Russia		Tanker/LNG/BC			49
European		Bulk Carrier			10
				Total	137