

# REFERENCE LIST MERCHANT PROJECTS (EXTRACT)



With more than 60 years in the market, Novenco Marine & Offshore is among the most experienced suppliers of HVAC systems for ships. We develop and manufacture high-quality heating, ventilation, air-conditioning and refrigeration solutions for marine applications.

Our equipment includes:

- Design & Engineering
- Air handling units
- Cabin units
- Fans
- Duct systems
- Automation
- Chiller units
- Condensing units
- Provision plants

Our goal is to offer environmentally responsible and energy-friendly solutions that meet even the most demanding global comfort and safety requirements.

Please visit [www.novencoevent.com](http://www.novencoevent.com) and read more about our eVent energy calculator which can calculate the energy consumption of HVAC systems, using weather data for the actual operation area of the ship.

The following reference list includes projects where Novenco has delivered functional design, engineering and equipment.

# REFERENCE LIST

## MERCHANT PROJECTS (EXTRACT)

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
<b>Delivery 2024</b>				
SOE	S1073	Hartmann / Germany	1400 TEU	HVAC+Fan
SOE	S1074	Hartmann / Germany	1400 TEU	HVAC+Fan
WuChuan	AA034M	LDA/France	LDA Wind-assisted RoRo	HVAC
WuChuan	AA035M	LDA/France	LDA Wind-assisted RoRo	HVAC
WuChuan	AA041M	LDA/France	LDA Wind-assisted RoRo	HVAC
SanFu	SF210304	Hartmann / Germany	3500TEU	HVAC
SanFu	SF210305	Hartmann / Germany	3500TEU	HVAC
SanFu	SF210306	Hartmann / Germany	3500TEU	HVAC
SanFu	SF210304	Hartmann / Germany	3500TEU	FAN
SanFu	SF210305	Hartmann / Germany	3500TEU	FAN
SanFu	SF210306	Hartmann / Germany	3500TEU	FAN
DSOC	G7500-4	TGE/ GERMANY	CO2 Carrier	HVAC
MAWEI	MW516-1	Pioneer/Singapore	18500DWT CT	HVAC
MAWEI	MW516-2	Pioneer/Singapore	18500DWT CT	HVAC
MAWEI	MW516-3	Pioneer/Singapore	18500DWT CT	HVAC
MAWEI	MW516-4	Pioneer/Singapore	18500DWT CT	HVAC
MAWEI	MW516-5	Pioneer/Singapore	18500DWT CT	HVAC
MAWEI	MW516-6	Pioneer/Singapore	18500DWT CT	HVAC
MAWEI	MW516-7	Pioneer/Singapore	18500DWT CT	HVAC
JiangNan	H2646	PG	99000VLGC	HVAC
JiangNan	H2647	PG	99000VLGC	HVAC
JiangNan	H2648	PG	99000VLGC	HVAC
JiangNan	H2649	PG	99000VLGC	HVAC
JiangNan	H2724	PG	99000VLGC	HVAC
JiangNan	H2725	PG	99000VLGC	HVAC
NYZ	YZJ2015-2083	Hartmann / Germany	36000LEG	HVAC
Southeast Shipyard	DN517-1	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-2	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-3	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-4	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN5+G41:G7317-5	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-6	Seacon/China	18500DWT CT	HVAC
MAWEI	MW467-1	Neptune Lines/Greece	4200PCTC	FAN
MAWEI	MW467-2	Neptune Lines/Greece	4200PCTC	FAN
MAWEI	MW467-3	Neptune Lines/Greece	4200PCTC	FAN
MAWEI	MW467-4	Neptune Lines/Greece	4200PCTC	FAN
Beihai Wuchuan		Shanghai Salvage Bureau	SSOV	Service

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
SanFu	SF130222	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130223	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130224	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130227	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130228	Briese / Germany	11000 DWT MPV	HVAC
JinLing	JLZ923445	CM/China	7800 PCTC	HVAC
JinLing	JLZ923446	CM/China	7800 PCTC	HVAC
JinLing	CMHI-294-01	CM/China	7800 PCTC	HVAC
JinLing	CMHI-294-02	CM/China	7800 PCTC	HVAC
SOE	S1073	Hartmann / Germany	1400 TEU	ER Fan
SOE	S1074	Hartmann / Germany	1400 TEU	ER Fan
JinLing	JLZ8230433	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230434	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230435	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230436	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230437	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230438	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230439	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ8230440	Wallenius Wilhelmsen / Norway	9300 PCTC	HVAC
JinLing	JLZ923445	CM/China	7800 PCTC	HVAC
JinLing	JLZ923446	CM/China	7800 PCTC	HVAC
JinLing	CMHI-294-01	CM/China	7800 PCTC	HVAC
JinLing	CMHI-294-02	CM/China	7800 PCTC	HVAC
Southeast Shipyard	DN517-7	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-8	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-9	Seacon/China	18500DWT CT	HVAC
Southeast Shipyard	DN517-10	Seacon/China	18500DWT CT	HVAC
<b>Delivery 2023</b>				
Hudong Shiyard	H1904	CMA/France	23000 TEU	HVAC
Hudong Shiyard	H1905	CMA/France	23000 TEU	HVAC
Hudong Shiyard	H1906	CMA/France	23000 TEU	HVAC
Hudong Shiyard	H1907	CMA/France	23000 TEU	HVAC
SanFu Shipyard	SF210301	Hartmann / Germany	3500TEU	FAN
SanFu Shipyard	SF210302	Hartmann / Germany	3500TEU	FAN
SanFu Shipyard	SF210303	Hartmann / Germany	3500TEU	FAN
DISC		MSC	16000 TEU	HVAC
DISC		MSC	16000 TEU	HVAC

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
GSI	22110041	BYD	7000PCTC	HVAC
GSI	22110042	BYD	7000PCTC	HVAC
ChengXi	CX9801	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9802	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9803	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9804	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9805	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9806	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9807	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9808	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9809	CITIC	84500 DWT BC	HVAC + Dehumidifier
ChengXi	CX9810	CITIC	84500 DWT BC	HVAC + Dehumidifier
Jinlu shipyard		EMEC	49000 DWT OT	HVAC
DSOC	G7500-4	TGE/ GERMANY	CO2 Carrier	HVAC
CMHI JS	CMHI269-1	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-2	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-3	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-4	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-5	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-6	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-7	Hoegh Autoliners	9100 PCTC	HVAC
CMHI JS	CMHI269-8	Hoegh Autoliners	9100 PCTC	HVAC
<b>Delivery 2022</b>				
DSIC	G7500-1	Northern Light / Norway	LCO2 Carrier	HVAC
DSIC	G7500-2	Northern Light / Norway	LCO2 Carrier	HVAC
GWS	H2444	Egypt	70T Tug	ER FAN
JiangNan	H2781	PG	98000 VLGC	HVAC
JiangNan	H2782	PG	98000 VLGC	HVAC
JiangNan	H2783	PG	98000 VLGC	HVAC
JiangNan	H2684	PG	98000 VLGC	HVAC
CMHI (Jiangsu)	CMHI-269-1	Hoegh / Norway	9100PCTC	HVAC
CMHI (Jiangsu)	CMHI-269-2	Hoegh / Norway	9100PCTC	HVAC
CMHI (Jiangsu)	CMHI-269-3	Hoegh / Norway	9100PCTC	HVAC
CMHI (Jiangsu)	CMHI-269-4	Hoegh / Norway	9100PCTC	HVAC
CMHI (Jiangsu)	CMHI-269-5	Hoegh / Norway	9100PCTC	HVAC
CMHI (Jiangsu)	CMHI-269-6	Hoegh / Norway	9100PCTC	HVAC
CMHI (Jiangsu)	CMHI-269-7	Hoegh / Norway	9100PCTC	HVAC

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
CMHI (Jiangsu)	CMHI-269-8	Hoegh / Norway	9100PCTC	HVAC
SanFu	SF130215	Briese/Germany	11000DWT	HVAC
SanFu	SF130216	Briese/Germany	11000DWT	HVAC
GSI	20110041	Stena / Sweden	50K DWT Oil Tank	MGO Chiller
GSI	20110042	Stena / Sweden	50K DWT Oil Tank	MGO Chiller
JiangNan	H2638	JOVO / China	93000 VLGC	HVAC
JiangNan	H2742	Pearl Chemical	93000 VLGC	HVAC
JiangNan	H2743	Pearl Chemical	93000 VLGC	HVAC
JiangNan	H2744	Pearl Chemical	93000 VLGC	HVAC
SOE	S1063	Hartmann / Germany	7200 CBM LEG	HVAC
SOE	S1064	Hartmann / Germany	7200 CBM LEG	HVAC
SOE	S1065	Hartmann / Germany	7200 CBM LEG	HVAC
SanFu	SF130217	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130218	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130225	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF130226	Briese / Germany	11000 DWT MPV	HVAC
SanFu	SF210301	Hartmann / Germany	3500TEU	HVAC
SanFu	SF210302	Hartmann / Germany	3500TEU	HVAC
SanFu	SF210303	Hartmann / Germany	3500TEU	HVAC
NYZ	YZJ2015-2081	Hartmann / Germany	36000CBM LEG	HVAC
NYZ	YZJ2015-2082	Hartmann / Germany	36000CBM LEG	HVAC
DSIC	G7500-1	Northern Light / Norway	LCO2 Carrier	HVAC
DSIC	G7500-2	Northern Light / Norway	LCO2 Carrier	HVAC
DSIC	C16K-1	MSC / Italy	16000TEU Container	HVAC
DSIC	C16K-2	MSC / Italy	16000TEU Container	HVAC
DSIC	C16K-3	MSC / Italy	16000TEU Container	HVAC
DSIC	C16K-4	MSC / Italy	16000TEU Container	HVAC
DSIC	C16K-5	MSC / Italy	16000TEU Container	HVAC
DSIC	C16K-6	MSC / Italy	16000TEU Container	HVAC
DSIC	C16K-7	MSC / Italy	16000TEU Container	HVAC
GSI	21110020	MSC / Italy	16000TEU Container	HVAC_VOR
GSI	21110021	MSC / Italy	16000TEU Container	HVAC_VOR
GSI	21110022	MSC / Italy	16000TEU Container	HVAC_VOR
GSI	21110047	MSC / Italy	16000TEU Container	HVAC_VOR
GSI	21110048	MSC / Italy	16000TEU Container	HVAC_VOR
CMHI	CMHI269-1	Hoegh Autoliners	9100PCTC	HVAC_VOR

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
<b>Delivery 2021</b>				
JiangNan shipyard	H2735	Petreddec	93000 VLGC	HVAC
JiangNan shipyard	H2736	Petreddec	93000 VLGC	HVAC
JiangNan shipyard	H2737	Petreddec	93000 VLGC	HVAC
JiangNan shipyard	H2732	MSC	24000 TEU	HVAC
JiangNan shipyard	H2733	MSC	24000 TEU	HVAC
HuDong shipyard	H1864	MSC	24000 TEU	HVAC
HuDong shipyard	H1865	MSC	24000 TEU	HVAC
JiangNan shipyard	H2734	MSC	24000 TEU	HVAC
JiangNan shipyard	H2741	MSC	24000 TEU	HVAC
HuDong shipyard	H1866	MSC	24000 TEU	HVAC
HuDong shipyard	H1867	MSC	24000 TEU	HVAC
HuDong shipyard	H2732	MSC	24000 TEU	Fan Package
HuDong shipyard	H2733	MSC	24000 TEU	Fan Package
HuDong shipyard	H1864	MSC	24000 TEU	Fan Package
HuDong shipyard	H1865	MSC	24000 TEU	Fan Package
HuDong shipyard	H2734	MSC	24000 TEU	Fan Package
HuDong shipyard	H2741	MSC	24000 TEU	Fan Package
HuDong shipyard	H1866	MSC	24000 TEU	Fan Package
HuDong shipyard	H1867	MSC	24000 TEU	Fan Package
JiangNan shipyard	H2738	Petreddec	93000 VLGC	HVAC
JiangNan shipyard	H2739	Petreddec	93000 VLGC	HVAC
JiangNan shipyard	H2740	Petreddec	93000 VLGC	HVAC
JiangNan shipyard	H2752	DongHua	93000 VLGC	HVAC
JiangNan shipyard	H2753	DongHua	93000 VLGC	HVAC
SanFu Shipyard	SF130211	Briese	11000 DWT	HVAC
SanFu Shipyard	SF130212	Briese	11000 DWT	HVAC
SanFu Shipyard	SF130213	Briese	11000 DWT	HVAC
SanFu Shipyard	SF130214	Briese	11000 DWT	HVAC
DJHI	DJHC6063	MARSEILLE FRET	6600RoRo	HVAC
<b>Delivery 2020</b>				
SOE			2000LNG	Fan
SOE			2000LNG	Fan
GSI			95000DWT BC	HVAC
GSI			95000DWT BC	HVAC
JiangNan			30000 LNG	HVAC
GSI			49999DWT OT	HVAC

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
GSI			49999DWT OT	HVAC
JiangNan			30000 LNG	HVAC
SOE			5000CBM LPG	HVAC
SOE			5000CBM LPG	HVAC
SOE			5000CBM LPG	HVAC
ChengXi			Albert Oldendorff	HVAC
XiangYu			19900DWT CT	FAN+Dehumidifier
XiangYu			19900DWT CT	FAN+Dehumidifier
XiangYu			33000DWT CT	FAN+Dehumidifier
XiangYu			33000DWT CT	FAN+Dehumidifier
XiangYu			33000DWT CT	FAN+Dehumidifier
XiangYu			33000DWT CT	FAN+Dehumidifier
NYZ			13000DWT CT	Fan
NYZ			13000DWT CT	Fan
Mawei			12500dwt MPV	FAN+Dehumidifier
Mawei			12500dwt MPV	FAN+Dehumidifier
GSI			49999DWT OT	FAN
GSI			49999DWT OT	FAN
GSI			114Kdwt OT	HVAC
GSI			114Kdwt OT	HVAC
GSI			114Kdwt OT	FAN
GSI			114Kdwt OT	FAN
BSIC			ICBC Leasing	HVAC
BSIC			ICBC Leasing	HVAC
GSI			49999DWT OT	HVAC
GSI			49999DWT OT	FAN
<b>Delivery 2019</b>				
Raffles Yantai			Y-type	HVAC
GSI			95000DWT BC	HVAC
GSI			95000DWT BC	HVAC
JiangNan			86K VLGC	HVAC
JiangNan			86K VLGC	HVAC
XiangYu			63500 BC	HVAC
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC
JiangNan&HD			23000 TEU	HVAC
Jiangsu DaYang offshore			25000T	HVAC
Jiangsu DaYang offshore			25000T	HVAC
YZJshipyard			83500BC	Fan
YZJshipyard			83500BC	Fan
YZJshipyard			83500BC	Fan
CIMCSOE			20000LNG	Fan
CIMCSOE			20000LNG	Fan
CIMCSOE			7500LNG	Fan
CIMCSOE			7500LNG	Fan
<b>Delivery 2018</b>				
Shanghai shipyard			108K dwt BC	HVAC
Shanghai shipyard			108K dwt BC	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
XiangYu Shipyard			63500 dwt BC	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC



Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
JiangNan&HuDong shipyard			22000 TEU	HVAC
GWS			2700TEU	FAN
GSI			75Kdwt OT Vista	HVAC
GSI			75Kdwt OT Vista	HVAC
GSI			75Kdwt OT Vista	FAN
GSI			75Kdwt OT Vista	FAN
GSI			75Kdwt OT TORM	HVAC
GSI			75Kdwt OT TORM	HVAC
GSI			75Kdwt OT TORM	FAN
GSI			75Kdwt OT TORM	FAN
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	FAN
GSI			50Kdwt OT TORM	FAN
GSI			50Kdwt OT TORM	FAN
GSI			75Kdwt OT Vista	HVAC
GSI			75Kdwt OT Vista	HVAC
GSI			75Kdwt OT Vista	FAN
GSI			75Kdwt OT Vista	FAN
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	FAN
GSI			50Kdwt OT TORM	FAN
GSI			50Kdwt OT TORM	FAN

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
GSI			50Kdwt OT TORM	FAN
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
GSI			50Kdwt OT TORM	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
Mawei			1162TEU	HVAC
GSI			75Kdwt OT Vista	FAN
GSI			75Kdwt OT Vista	FAN
HANTONGSHIPYARD			38000 OIL TANKER	HVAC
HANTONGSHIPYARD			38001 OIL TANKER	HVAC
HANTONGSHIPYARD			38002 OIL TANKER	HVAC
HANTONGSHIPYARD			38003 OIL TANKER	HVAC
CIMCSOE			22000LEG	HVAC
CIMCSOE			22000LEG	HVAC
SANFUSHIPYARD			12500MPV	FAN
SANFUSHIPYARD			12500MPV	FAN
CIMCSOE			22000LEG	HVAC
CIMCSOE			22000LEG	FAN
YZJSHIPYARD			83500BC	FAN
YZJSHIPYARD			83500BC	FAN

**Delivery 2014-2016**

Bohai Shipbuilding Heavy Industry Co.,Ltd	BH424-7/8	Berge Bulk	210000DWT BC	HVAC
Cosco (Da Lian) Shipyard	N625	BigLift Shipping BV & Rolldock Shipping BV	Module Carrier	Fans
Cosco (Da Lian) Shipyard	N624	BigLift Shipping BV & Rolldock Shipping BV	Module Carrier	HVAC/Fans
Shanhaiguan Shipbuilding Industry Co.,Ltd	BC383-01/02/03/04/05	COSCO	38300DWT BC	HVAC
Jiangnan Shipbuilding (Group) Co.,Ltd	H2565/66	COSCO	78000DWT BC	HVAC
Nantong Cosco Khi Ship Engineering Co.,Ltd	N169/70/71/72	COSCOL	36000DWT MPV	Fans
Dalian Shipbuilding Industry Co.,Ltd	BC 180K-43	Frontline AS	180000DWT BC	HVAC
Bohai Shipbuilding Heavy Industry Co.,Ltd	BH424-1/2	Frontline AS	210000DWT BC	HVAC
Shanghai Waigaoqiao Shipbuilding Co.,Ltd	H1265/66/67/68	Frontline AS	180000DWT BC	HVAC
Cosco (Zhou Shan) Shipyard	N590/91/92	Frontline AS	111000DWT OT	HVAC
Dalian Shipbuilding Industry Co.,Ltd	BC 180K-42/44/45	Frontline AS	180000DWT BC	HVAC
Chengxi Shipyard Co., Ltd	CX0635/38	Golden Ocean	64000DWT BC	HVAC

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
Guangzhou Shipyard International Co.,Ltd	13130043/45/63/64/65	Hafnia Tankers	49999DWT OT	Fans
Jiangsu Hongqiang Marine Heavy Industry Co.,LTD	HQ088/89	Krey	12500DWT MPV	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB007-5/6	Louis Dreyfus Armateurs	40000DWT BC	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB008-7/8	MTM Shipping	40000DWT BC	HVAC
Jiangnan Shipbuilding (Group) Co.,Ltd	H2561/62/63/64	Navigator Gas	35000m3 LEG	Fans
Jiangnan Shipbuilding (Group) Co.,Ltd	H25554/55/56/57	Navigator Gas	22000m3 LEG	HVAC
Taizhou Sanfu Ship Engineering Co., Ltd.	SF120101/02/04/05/08	Nordana	12000 MPV	Fans
Nantong Sinopacific Offshore & Engineering Co., Ltd.	S1026/27/28/29	Odfjell	17000 m3 LEG	HVAC
Qingshan Shipyard	QS43000-1/2	Phoenix Shipping & Trading S.A	43000DWT BC	HVAC
Hudong-Zhonghua Shipbuilding (Group) Co.,Ltd	H1683A/84A	Rickmers Shipmanagement GmbH & Cie. KG	20000 DWT MPC	Fans
Jiangnan Shipbuilding (Group) Co.,Ltd	H2559	Sinotrans	78000DWT BC	HVAC
Guangzhou Shipyard International Co.,Ltd	12130004/06	Stena Rederi AB	50000dwt OT	Fans
Hudong-Zhonghua Shipbuilding (Group) Co.,Ltd	H1709A/10A	Stolt tank	38000DWT BC	HVAC
Guangzhou Shipyard International Co.,Ltd	13130041/42	Tankers Inc.	49999DWT OT	Fans
Zhejiang Ouhua Shipbuilding Co., Ltd.	668/669/671/670/673	The China Navigation Co Pte Ltd	39200 DWT BC	HVAC
Chengxi Shipyard Co., Ltd	CX0347/54	The China Navigation Co Pte Ltd	39100DWT BC	HVAC
Qingshan Shipyard	QS43500-4/5/6/7	TMS	43500DWT HBC	Fans
Guangzhou Shipyard International Co.,Ltd	13130022/24/25	Trafigura	49999dwt OT	HVAC/Fans
Guangzhou Shipyard International Co.,Ltd	13130018/19/21	Trafigura	50000dwt OT	HVAC/Fans
Guangzhou Shipyard International Co.,Ltd	13121049/50	Valles Steamship	113000dwt OT	HVAC/Fans
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB005-2/3/4	Wallenius	8000 PCTC	HVAC/fans
Nanjing Jingling Shipyard	JLZ9110412/13	Global Car Carriers	6700PCTC	HVAC
Hudong shipyard	H1673A	MOL&ExxonMobile	172K LNG Carrier	HVAC
Remontowa S.A. Gdansk Shiprepair Yard	B204/1	Royal Arctic Line	606 TEU	HVAC/Fans
Remontowa S.A. Gdansk Shiprepair Yard	B203/1/2	Royal Arctic Line	108 TEU	HVAC/Fans
Remontowa S.A. Gdansk Shiprepair Yard	B202/1/2	Royal Arctic Line	36 TEU	HVAC/Fans
<b>Delivery 2013</b>				
Samjin Shipbuilding Industries	H1061/62/63	Bocimar	36000DWT BC	HVAC
Samjin Shipbuilding Industries	H1153/54/55/56/57	Bocimar	36000DWT BC	HVAC
Chengxi Shipyard Co., Ltd	CX0341/42/43/44	China Navigation	39500DWT BC	HVAC
Shanghai Waigaoqiao Shipbuilding Co. Ltd	H1298	Dehe	206000DWT BC	HVAC
Jiangnan Shipbuilding (Group) Co. Ltd	H2528/29	Diana Shipping Corp.	76000DWT BC	HVAC
Cosco (Zhou Shan) Shipyard	N589	Frontline AS	111000DWT OT	HVAC
Shanghai Waigaoqiao Shipbuilding Co.,Ltd	H1329/30/31	Frontline AS	180000DWT BC	HVAC
Nanjing Jingling Shipyard	JLZ8120413	Global Car Carriers	6700 PCTC	Fans
Hudong-Zhonghua Shipbuilding (Group) Co. Ltd	H1657A/58A	IOLCOS	76000DWT BC	HVAC
Yangzijiang Shipbuilding Group Ltd Ltd	YZJ 2010-961	Klavenness Maritime Logistics AS	2500 TEU Container Vessel	Fans

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
Tianjin Xingang Shipbuilding Heavy Industry Co., Ltd	NB007-3/4	Louis Dreyfus Armateurs	40000DWT BC	HVAC
Cosco (Zhou Shan) Shipyard	N505/6	Lomar Shipping	64000DWT BC	HVAC
Hudong-Zhonghua Shipbuilding (Group) Co. Ltd	H1650A	Mittal	76000DWT BC	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co., Ltd	NB008-2/3/4	MTM Shipping	40000DWT BC	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co., Ltd	NB008-1	MTM Shipping	40000DWT BC	HVAC/Fans
Uljanik Shipyard D.D. D.	492	Murmansk Trawl Fleet Co	Stern Trawler	HVAC
Jiangnan Shipbuilding (Group) Co. Ltd	H2530/31/32/33	Navigator Gas	21000m3 LEG Carrier	HVAC/Fans
Shanghai Shipyard Co., Ltd	S1209/10/11/12	Nile Dutch	3500TEU CV	Fans
Guangzhou Shipyard International Co. Ltd	GSI12130013/14	D/S Norden	40,000 dwt Tanker	HVAC/Fans
Hudong-Zhonghua Shipbuilding (Group) Co. Ltd	H1677/78	Ocean 21 Holdings Pte Ltd	87000DWT BC	HVAC
Shanghai Waigaoqiao Shipbuilding Co. Ltd	H1272/73/74/75/76	Polembros Shipping Limited	206000DWT BC	HVAC
Huangpu Shipyard	H2337	Starnav Serviços Marítimos Ltda	PSV 688	Fans
Guangzhou Shipyard International Co. Ltd	12130003/05	Stena Rederi AB	50000dwt OT	Fans
Jade Shipbuilding Co. Ltd.	CG-128/129	Taiwanese government	-	HVAC
Chengxi Shipyard Co. Ltd	CX0345/46/55	The China Navigation Co Pte Ltd	39100DWT BC	HVAC
Stx Promar	EP05/06	Transpetro	LNG Carrier	HVAC
Shanghai Shipyard	S1209	Nile Dutch	3500TEU CV	HVAC
Hudong Shipyard	H1671A/72A	MOL&ExxonMobile	172K LNG Carrier	HVAC
<b>Delivery 2012</b>				
STX Offshore & Shipbuilding Co.,Ltd.	S1508/09	Crude/Product oil tanker	74500DWT	HVAC
Shanghai Waigaoqiao shipyard	H1243/44/45	Anangel Maritime	206000DWT VLOC	HVAC
Samjin Shipbuilding Industries	H1152	Bocimar	36000DWT BC	HVAC
Hudong-Zhonghua Shipbuilding (Group) Co.,Ltd	H1656A	Chaozhou Yatai	76000DWT BC	HVAC
Jiangnan Shipbuilding (Group) Co.,Ltd	H1511/12	Chinese Navy	Rocket Carrier	HVAC
Huangpu Shipyard	H3040	Chinese owner	76000dwt BC	HVAC
Zhejiang Zengzhou Shipyard	HB2004/07/08	Chinese owner	57000DWT BC	HVAC
Zhejiang Zengzhou Shipyard	HF2001	Chinese owner	75000DWT BC	HVAC
Zhejiang Zengzhou Shipyard	ZZSB011	Chinese owner	64000DWT BC	HVAC
Huangpu Shipyard	H3045	COOEC	18000T Launch Barge	HVAC
Jiangnan Shipbuilding (Group) Co.,Ltd	H2459	Diana Shipping Corp.	78000DWT BC	HVAC
Wuhu Xinlian Shipbuilding	W1023	F.H.Bertling Reederei GmbH	82000DWT BC	HVAC
Wuhu Xinlian Shipbuilding	H2458/59	F.H.Bertling Reederei GmbH	76000DWT BC	HVAC
Hudong shipyard	H1661A/62A	Foremost	87000DWT BC	HVAC
Jiangsu Rongsheng shipyard	H1163/67	Frontline AS	157000DWT OT	HVAC
Nanjiing Jingling Shipyard	JLZ9110412/13	Global Car Carriers	6700PCTC	HVAC
Hudong Shipyard	H1644A	Hongkong Henghou	76000DWT BC	HVAC
Yangzijiang Shipbuilding Group Ltd	YZJ 2010-958/959/960	Klavenness Maritime Logistics AS	2500 TEU Container Vessel	Fans

Client/shipbuilder	NB no.	Ship owner	Vessel type	Equipment
Shanghai Shipyard	S1161/62	L&B	3600TEU CV	HVAC
Guangzhou Shipyard International	06130060/62	Lauritzen Tankers A/S	50500DWT BX	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB007-1/2	Louis Dreyfus Armateurs S.A.S	40000DWT BC	HVAC/Fans
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB006-1/2	Louis Dreyfus Armateurs S.A.S	180000DWT BC	HVAC
Hyundai Mipo Dockyard Co.,Ltd.	8093/94	Maritime Nantaise	2700 LM Class Con-Ro vessel	HVAC/Fans
Hudong-Zhonghua Shipbuilding (Group) Co.,Ltd	H1649A	Mittal	76000DWT BC	HVAC
ZCHI	ZC3008	MST	35000DWT BC	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB008-1/2	MTM	40000DWT BC	HVAC/Fans
Shanghai Shipyard Co.,Ltd	S1209	Nile Dutch	3500TEU CV	HVAC/Fans
Cosco Zhoushan Shipyard	N383/84/85/87/86	Oceanstar	57300DWT BC	HVAC
Jiangsu Rongsheng Heavy Industries Group Co.,Ltd	H1116	Oman shipping	400000DWT VLCC	Fans
Shanghai Waigaoqiao Shipbuilding Co.,Ltd	H1254/55/71	Polembros Shipping Limited	206000DWT BC	HVAC
Jade Shipbuilding Co., Ltd.	JY110	Taiwan	5000GT-1 RoRo passenger Vessel	Fans
Jong Shyn Shipbuilding Co., Ltd.	J212	Taiwan	1900GT fishing vessel	Fans
Hudong Shipyard	H1670A	MOL&ExxonMobile	172K LNG Carrier	HVAC
Jinhai Heavy Industry Co., Ltd.	J0132/33	Gulf Navigation Holding PJSC	320000DWT VLCC	HVAC

**Delivery 2011**

Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB004-1/2/3/4/5	Tianjin Guodian Shipping Co., Ltd.	76000DWT BC	HVAC
Shanghai Shipyard	S1205/06/0708	Hamburg Süd	3800TEU CV	Fan
Sanfu Shipengineering Co. Ltd.	SF100101/02	Krey Schiffahrts GmbH	12000DWT BC	HVAC/Fans
ZCHI	ZC3007	MST	35000DWT BC	HVAC
Tsuji Heavy Industry	S1011/12	Glory	30000DWT BC	HVAC
Tianjin Xingang Shipbuilding Heavy Industry Co.,Ltd	NB002-1/2/3	Nanjing NOSCO	57000DWT BC	HVAC
Guangzhou Wenchong shipyard CO.,LTD	GWS 407	L&B	1400 TEU	HVAC
Jinhai Heavy Industry Co., Ltd.	J0033/34	Chinese Owner	79600DWT BC	HVAC
Tsuji Heavy Industry	NB0021/22/23/24	Fengli	30000DWT BC	HVAC
Shanghai Shipyard	S1159/60	L&B	3600TEU CV	HVAC