

REFERENCE LIST

ICE BREAKER (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 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.

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Ship name	NB no.	Vessel type	Client/shipbuilder	Ship owner	Class notation
Delivery 2016					
Edda TBN	373	Offshore Construction Vessel	Kleven Verft AS	Østensjø Rederi AS	ICE-1C
Delivery 2015					
	91	Offshore Construction Vessel	Bergen Group Fosen	Volstad Maritime AS	ICE-1C
Edda TBN	2652	Flotel Vessel	Hyundai Heavy Industries	Østensjø Rederi AS	ICE-1C
Esvagt TBA	119	Windfarm Service Vessel	Havyard Ship Technology	Esvagt	ICE E
	3062	Heavy Lift Vessel	CSSC Guangzhou Huangpu Shipbuilding	Guangzhou Salvage Bureau	ICE Class B
Delivery 2014					
North Sea Atlantic	169	Offshore Construction Vessel	Bergen Group BMW	North Sea Shipping	ICE-C
	90	Offshore Construction Vessel	Bergen Group Fosen	Volstad Maritime AS	ICE-1C
Boa Bison	83	Anchor Handling Tug Supply	Bergen Group Fosen	BOA Group (Taubatkompaniet AS)	ICE-C
Esvagt TBN	118	Windfarm	Havyard Ship Technology	Esvagt	ICE E
Maersk TBN	172	Anchor Handling Tug Supply	Asenav	Maersk Supply Service	ICE Class 1C
Maersk TBN	171	Anchor Handling Tug Supply	Asenav	Maersk Supply Service	ICE Class 1C
Stril Luna	456	Platform Supply Vessel	Astilleros Gondán	Simon Møkster Shipping	
Pacific Duchess	632	Anchor Handling Tug Supply	Singapore Technologies Marine Ltd.	Swire Pacific Offshore Operations Pte Ltd	ICE Class CO
Delivery 2013					
Pacific Dove	631	Anchor Handling Tug Supply	Singapore Technologies Marine	Swire Pacific Offshore Operations Ltd	ICE Class CO
Pacific Dolphin	630	Anchor Handling Tug Supply	Singapore Technologies Marine	Swire Pacific Offshore Operations Ltd	ICE Class CO
Pacific Diligence	629	Anchor Handling Tug Supply	Singapore Technologies Marine	Swire Pacific Offshore Operations Ltd	ICE Class CO
Rem Leader	354	Platform Supply Vessel	Kleven Verft AS	Rem Offshore ASA	ICE-C
Edda Ferd	444	Platform Supply Vessel	Astilleros Gondán S.A.	Østensjø Rederi AS	DE-ICE
Seven Viking	295	IMR Vessel	Ulstein Verft AS	Eidesvik	DE-ICE
Delivery 2012					
Esvagt Aurora	703	Standby Safety Vessel	Astilleros Zamakona	Svitzer AS (Esvagt)	DE-ICE
Viking Princess	347	Multi Purpose Offshore Vessel	Kleven Verft AS	Eidesvik	ICE-C
Viking Prince	346	Multi Purpose Offshore Vessel	Kleven Verft AS	Eidesvik	ICE-C
Grand Canyon	89	Offshore Construction Vessel	Bergen Group Fosen	Volstad Maritime AS	ICE-1C
Delivery 2011					
Mangustau-3	742	Shallow Draught Ice Class Tug	STX RO Offshore Braila SA	JSC Circle SV Invest	ICE Class IA Super
Mangustau-4	743	Shallow Draught Ice Class Tug	STX RO Offshore Braila SA	JSC Circle SV Invest	ICE Class IA Super
Mangustau-5	744	Shallow Draught Ice Class Tug	STX RO Offshore Braila SA	JSC Circle SV Invest	ICE Class IA Super
Edda Fides	1664	Flotel Vessel	Astilleros Barreras	Østensjø Rederi AS	ICE-C

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Geo Caspian	82	Research Survey Vessel	Bergen Group Fosen	Volstad Maritime AS	ICE-C
Polar King	702	Diving Support Vessel	Construccion Navales S.A.	Rieber Shipping AS	ICE-C
Polar Queen	703	Diving Support Vessel	Construccion Navales S.A.	Rieber Shipping AS	ICE-C
Delivery 2010					
Mangustau-1	740	Shallow Draught Ice Class Tug	STX RO Offshore Braila SA	JSC Circle SV Invest	ICE Class IA Super
Mangustau-2	741	Shallow Draught Ice Class Tug	STX RO Offshore Braila SA	JSC Circle SV Invest	ICE Class IA Super
Gällnö	28188	Passenger Vessek	Uudenkaupungin Työväne Oy	Waxholm Rederi	
RN Privodino	510	Chemical/Products Tanker	Gonsusa	Rosneft	ICE-1A, DE-ICE
Delivery 2009					
RN Murmansk	509	Chemical/Products Tanker	Gonsusa	Rosneft	ICE-1A, DE-ICE
Norsoen	115	Fishery Patrol Vessel	Astilleros M Cies	Denmark Ministry of Food	ICE-1C
Nämdö	28187	Passenger Vessel	Uudenkaupungin Työväne Oy	Waxholm Rederi	
BOS Angler	153	Research Survey Vessel	Bergen Oilfield Service	Bergen Oilfield Service	ICE-C
Edda Frende	443	Platform Supply Vessel	Astilleros Gondán S.A.	Østensjø Rederi AS	ICE-C
Delivery 2008					
Volstad Princess	129	Platform Supply Vessel	STX Norway Offshore AS	Volstad Shipping AS	ICE-1B, DE-ICE
Toisa Paladin	318	Platform Supply Vessel	Kleven Verft AS	Toisa Ltd	ICE-C
Seven Sisters	319	Platform Supply Vessel	Kleven Verft AS	Toisa Ltd	ICE-C
Edda Flora	29	Research Survey Vessel	Kamsund Maritime Service AS	Østensjø Rederi AS	ICE-C, DE-ICE
RN Arkhangelsk	508	Chemical/Products Tanker	Gonsusa	Rosneft	ICE-1A
Edda Fauna	117	Offshore Support Vessel	STX Norway Offshore AS	Østensjø Rederi AS	ICE-C, DE-ICE
Delivery 2007					
Al Hurreya 2	28	Ro-Ro Cargo Vessel	MPC SV (Alexandria Shipyard)	Government of The Arab	ICE Class 1D
Edda Fram	432	Platform Supply Vessel	Astilleros Gondán S.A.	Østensjø Rederi AS	ICE-C
Rem Etive	316	Platform Supply Vessel	Kleven Verft AS	Rem Maritime (Rem Ship AS)	ICE-C
Volstad Viking	116	Platform Supply Vessel	STX Norway Offshore AS	Volstad Shipping AS	ICE-1B
Siem Swordfish	315	Platform Supply Vessel	Kleven Verft AS	Siem Offshore Inc	ICE Class CO
Volstad Supplier	118	Platform Supply Vessel	STX Norway Offshore AS	Volstad Shipping AS	ICE-1B, DE-ICE
Geograph	1678	Research Survey Vessel	Fjellstrand AS	DOF ASA	ICE-1B
Delivery 2006					
Polar Pevek	199	Tug	STX Norway Offshore AS	GC Rieber Shipping	ICE-10 Icebreaker
Pacific Endeavour	201	Anchor Handling Tug Supply	STX Norway Offshore AS	Swire Pacific Offshore Operations Ltd	DE-ICE
Pacific Endurance	202	Anchor Handling Tug Supply	STX Norway Offshore AS	Swire Pacific Offshore Operations Ltd	DE-ICE

Ship Name	NB	Vessel Type	Client/Shipbuilder	Ship Owner	CLASS Notation
Pacific Enterprise	203	Anchor Handling Tug Supply	STX Norway Offshore AS	Swire Pacific Offshore Operations Ltd	DE-ICE
Olympic Canyon	106	Offshore Tug/Suooly Vessel	STX Norway Offshore AS	Olympic Nor AS	ICE-C
Rem Commander	311	Offshore Support Vessel	Kleven Verft AS	Rem Ship AS	ICE-C
Rem Fortress	312	Offshore Support Vessel	Kleven Verft AS	Rem Ship AS	ICE-C
Delivery 2005 and earlier					
Kisla	224	Chemical/Products Tanker	Estaleiros Navais de Viana	Neste Oil Corp	ICE-1A
Suula	225	Chemical/Products Tanker	Estaleiros Navais de Viana	Neste Oil Corp	ICE-1A
Birka Paradise	442	Passenger/Cruise	STX Finland Cruise Oy	Birka Line	ICE-1A
Stena Foreteller	123	Ro-Ro Cargo Vessel	A&P Tyne (Dalian Shipyard)	Stena AB	ICE-1A
Bow Flrda	144	Chemical/Products Tanker	STX Norway Florø AS	Odfjell ASA	ICE-C
Markus	227	Factory Stern Trawler	Umoe Sterkoder AS	Qaasiut Trawl AS	ICE-1B
Anholt	54	Passenger/Ro-Ro Vessel	Moen Slip AS	Grenaa-Anholt Faergefart	ICE-C
Normand Flipper	296	Platform Supply Vessel	Kleven Verft AS	Solstad Shipping AS	DE-ICE
Acergy Petrel	101	Research Survey Vessel	STX Norway Offshore AS	Uksnoy & Co AS	ICE-C
BOA Deep C	485	Offshore Support Vessel	Gonsusa	Boa Offshore AS	ICE-C
The World	71	Passenger/Cruise	Bergen Group Fosen	The World of ResidenSea II Ltd	ICE-1C
Bow Chain	143	Chemical Tanker	STX Norway Florø AS	Odfjell ASA	ICE-C
Finnmarken	292	Passenger/RO-RO Vessel	Kleven Verft AS	Hurtigruten ASA	ICE-1C
Mersey Phoenix	226	Factory Stern Trawler	Umoe Sterkoder AS	Mersey Seafoods Ltd	ICE-1B
Skalaberg	5	Factory Stern Trawler	Kimek	Trol JFK	ICE-1B
Polarbjørn	76	Research Survey Vessel	Havyard Leirvik AS	GC Rieber Shipping AS	ICE-05 Icebreaker
Ulysses	429	Passenger/RO-RO vessel	STX Finland Cruise Oy	Irish Ferries	ICE Class 1A
Kildin	211	Fishing Vessel	Estaleiros Sao Jacinto SA	Vidjenes AS	ICE-C
Bow Favour	142	Chemical Tanker	STX Norway Florø AS	Odfjell ASA	ICE-C
Argos Helena	198	Fishing Vessel	Umoe Sterkoder AS	Argos pereira España SL	ICE-C
Avro Chieftan	199	Fishing Vessel	Umoe Sterkoder AS	New Zealand Longline	ICE-C
Polar Nanoq	200	Stern Trawler	Umoe Sterkoder AS	Sigguk AS	ICE-1B
Odd Lundberg	210	Stern Trawler	Estaleiros Sao Jacinto SA	K/S Odd Lundberg A/S	ICE-C
Geco Eagle	153	Research Survey Vessel	Bergen Group BMW	WesternGeco LLC	ICE-C
MN Pelican	64	Ro-Ro Cargo Vessel	Bergen Group Fosen	Maritime Nataise	ICE-1A
Western Trident	241	Research Survey Vessel	Ulstein Verft AS	WesternGeco LLC	ICE-C
Western Neptune	242	Research Survey Vessel	Ulstein Verft AS	WesternGeco LLC	ICE-C
Crystal Ocean	319	FPSO, Oil	Bae Systems Ltd	Sea Production Ltd	ICE-C
Nesbakk	126	Fishing Vessel	STX Norway Offshore AS	Nesbakk AS	ICE-C
Birka Carrier	62	Ro-Ro Cargo Vessel	Bergen Group Fosen	Birka Cargo AB Ltd	ICE-1A
Bow Flora	136	Chemical/Products Tanker	STX Norway Florø AS	Odfjell ASA	ICE-C