



Welcome to Royal Wagenborg

As experts in international transport by road and water, we offer custom made solutions for every transport need, expertly and with dedication. At Royal Wagenborg the word "impossible" does not exist. We believe that there is a solution for every transport requirement or logistical problem. We offer an integrated approach, including project support, equipment, experienced employees and a global network, reason why our clients have come to increasingly rely on our knowledge and expertise. At Royal Wagenborg safety and reliability are paramount. We are committed to providing you with the highest standard of quality.

ARCTICABORG / ANTARCTICABORG

The ice breaking support and supply vessel (IBSV) "Arcticaborg" and her sister vessel, "Antarcticaborg", were built at Kvaerner Masa-Yards, Helsinki and delivered to Wagenborg in 1998. Both IBSVs sail under Kazakh flag in the Caspian Sea.

Both vessels are equipped to carry dry cargo, fresh water, fuel oil, liquid mud, cement and barite as well as remove sewage and wastewater from the rigs.

They have on-board fire fighting, rescue and pollution control capability and have been fitted with towing and anchor handling equipment.

The vessels have been fitted with two Electric Azimuthing Azipod units, making them suitable for ice management and navigation through waters covered with ice up to 90 cm and in shallow waters with a depth of 2.5 - 3.0m.

"Arcticaborg" and "Antarcticaborg" are equipped with the latest technical and nautical technology. Like all Royal Wagenborg vessels they implement the company's zero dumping policy and meet the highest standards with regard to HSES&Q.

The vessels also meet the requirements of SOLAS, MARPOL, the Russian Maritime Register of Shipping and Bureau Veritas.

Wagenborg Offshore

As an international offshore specialist and with many years of experience in the global oil and gas transport business, Wagenborg Offshore has committed professionals at its heart, carrying out complex logistic projects worldwide.

Wagenborg Offshore is a specialist in shallow water transport and has been operating in the Caspian Sea for decades with its dedicated vessels. The company also has vast experience and knowledge of ice navigation in Baltic and Scandinavian waters.

Wagenborg Offshore has state-of-the-art equipment and technologies that comply with the highest quality industry standards.

GENERAL

Port of registry: Aktay, Kazakhstan
 Flag: Republic of Kazakhstan
 Yard: Kvaerner Masa Yards Inc., Finland
 Classification: Bureau Veritas: (CP) I 3/3 E Supply Vessel Fire Fighting 1 deep sea, MACH, Aut-MS, Finnish-Swedish: Ice Class 1 A Super Re-classed Russian Maritime Register of Shipping: KM * ULA1

DIMENSIONS

Length over all: 65.10 m
 Length dwt: 57.68 m
 Breadth over all: 16.60 m
 Breadth moulded: 16.40 m
 Depth: 4.40 m
 Draught Max (summer): 2.90 m
 Gross Tonnage: 1,453 tons
 Deadweight: 650 tons
 Displacement max draught: 2,093 tons
 Service speed: 13 knots
 Service speed in 60cm ice: 3 knots

CAPACITIES

Fuel cargo tanks: 363 m³
 Liquid mud tanks: 48 m³
 Fresh water: 278 m³
 Bulk (cement/barite): 51 m³
 Deck cargo space: 350 m³
 Cargo sewage: 67 m³

ACCOMMODATION

Complement: 20 persons
 12 crew

PROPULSION

Main Generators: 2 x Wärtsilä NSD Diesel Engine
 Engine: Type 6 L26 1950 kW
 Propulsor: 2 x Azipod propulsion 1500 kW
 Bow thruster: 150 kW

TOWING CAPACITY

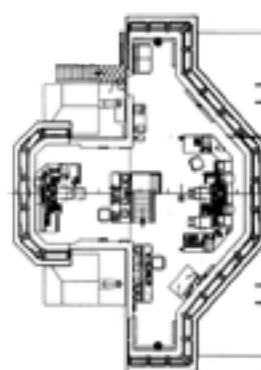
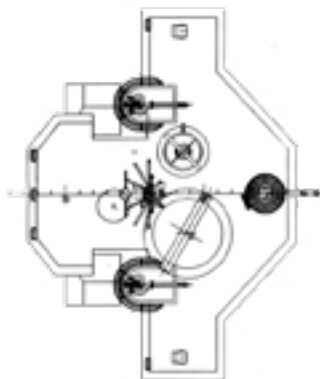
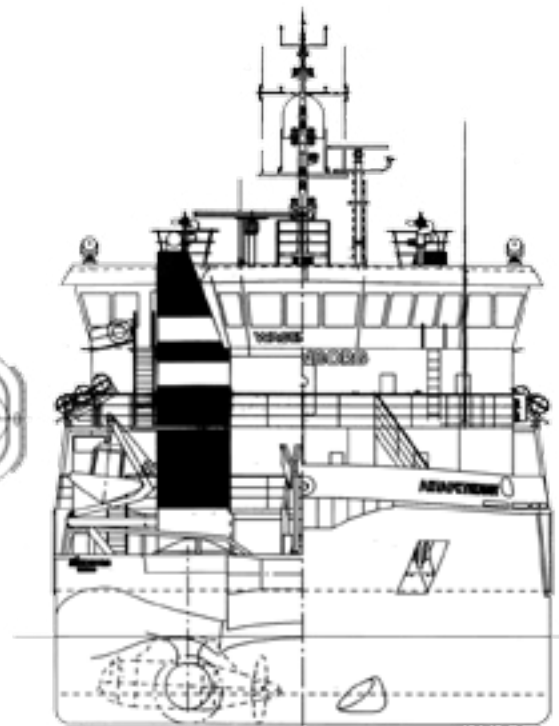
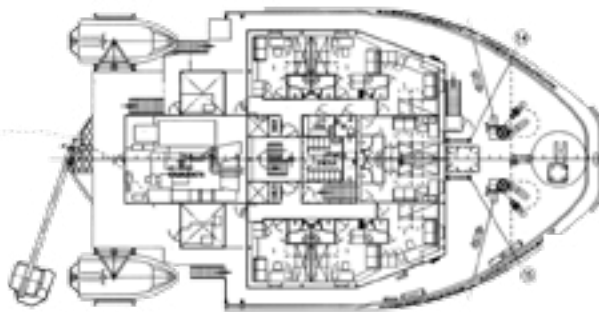
Bollard pull: 32 tons
 Towing winch drum: 600 m, 40 mm
 Maximum pull: 200 kN (2 minutes)
 Rated pull: 100 kN

NAUTICAL EQUIPMENT

1 x GMDSS A1, A2, A3
 2 x Radar system
 1 x COSPAS SARSAT EPIRB
 1 x wind speed and direction indicator system
 1 x gyro-compass system
 2 x GPS-receivers
 2 x SAT-COM C system
 2 x SAT-COM B system
 1 x echo sounder system
 1 x SONAR

AUXILIARIES

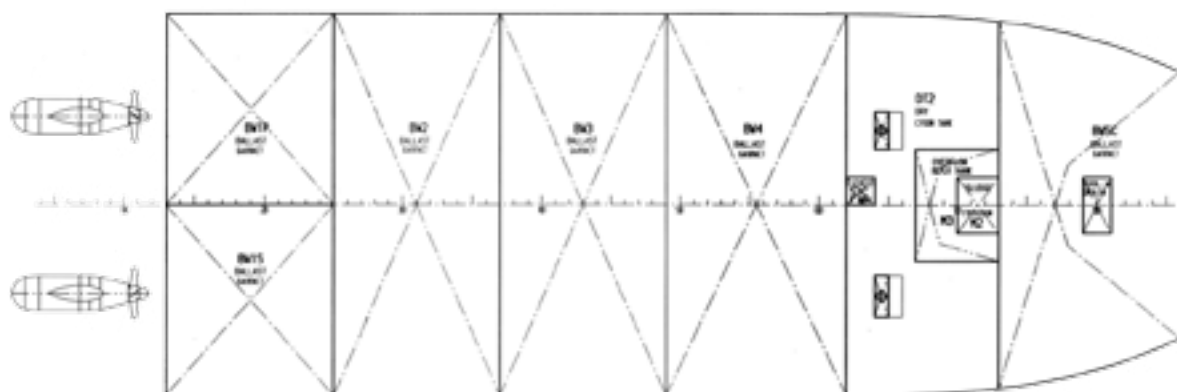
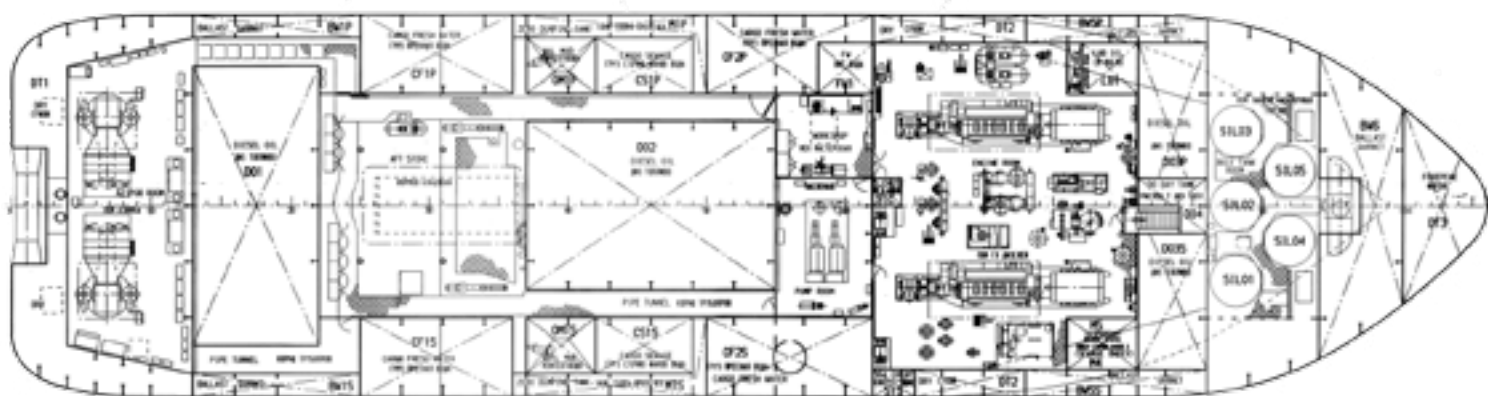
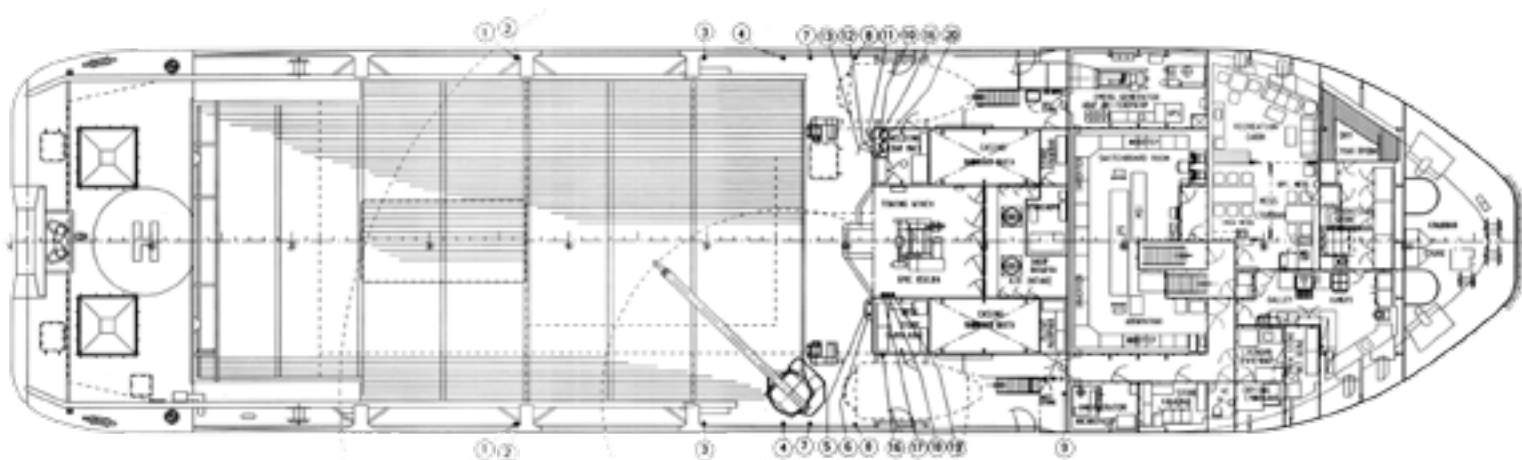
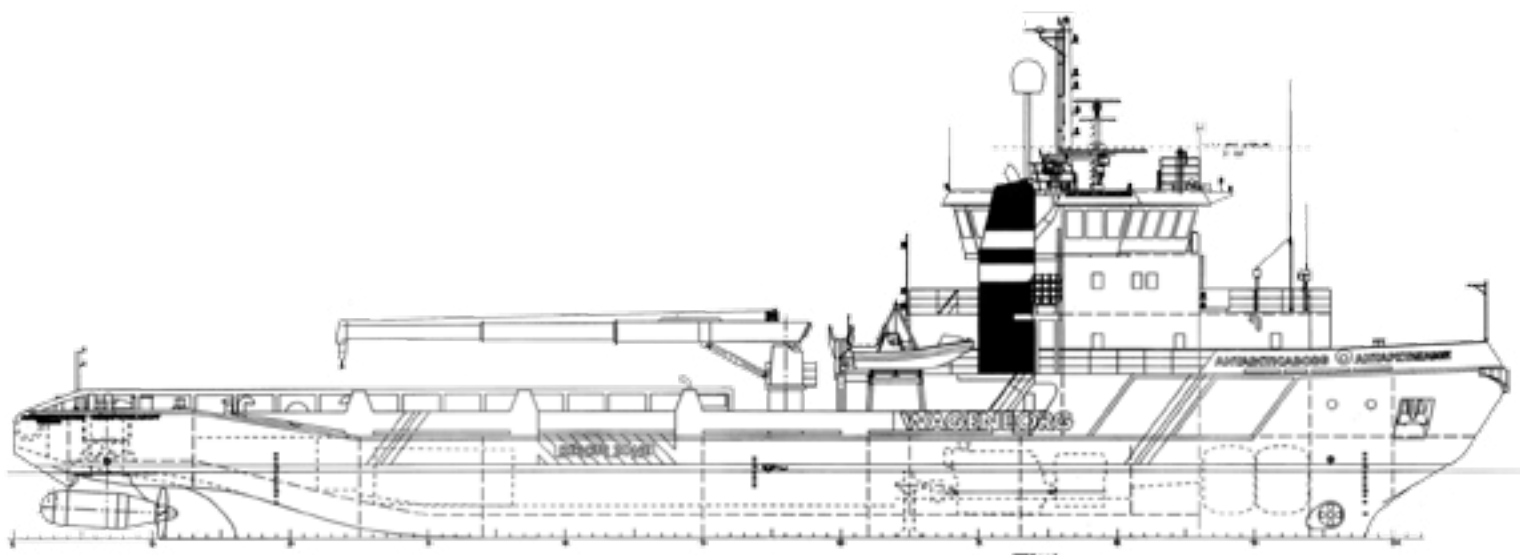
1 x diesel generator set Each 169 kVA / 400 V
 1 x Emergency diesel generator 163 kVA - 400 V



WAGENBORG OFFSHORE





P.O. Box 14, 9930 AA Delfzijl
 Marktstraat 10, 9934 CK Delfzijl
 The Netherlands
 T +31 (0)596 636 911
 F +31 (0)596 636 250
 E offshore.contracts@wagenborg.com

ICE BREAKING SUPPORT / SUPPLY VESSEL



Head office**ROYAL WAGENBORG**

Marktstraat 10
P.O. Box 14, 9930 AA Delfzijl, NL
T +31(0) 596 636 911
F +31(0) 596 636 250
E info@wagenborg.com

 www.facebook.com/royalwagenborg
 www.youtube.com/royalwagenborg
 www.twitter.com/royalwagenborg
 www.linkedin.com/company/wagenborg

Oil & Gas**WAGENBORG OFFSHORE B.V.**

Marktstraat 10
P.O. Box 14, 9930 AA Delfzijl, NL
T +31 (0)596 636911
F +31 (0)596 636250
E offshore.contracts@wagenborg.com

WAGENBORG FOXDRILL B.V.

Kampenstraat 14
P.O. Box 404, 7570 AK Oldenzaal, NL
T +31 (0)541 580500
F +31 (0)541 580505
E foxdrill@wagenborg.com

WAGENBORG KAZAKHSTAN B.V.

Marktstraat 10
P.O. Box 14, 9930 AA Delfzijl, NL
T +31 (0)596 636911
F +31 (0)596 636250
E offshore@wagenborg.com

WAGENBORG OILFIELD SERVICES

629800, Russian Federation
Yamalo-Nenetskiy autonomous district Noyabrsk
Promzona, Panel 8
T +7 3496 354842
F +7 3496 354852
E info.russia@wagenborg.com

WAGENBORG MIDDLE EAST

P.O.Box 37296, Jebel Ali Free Zone (South),
Near Redington, Dubai, U.A.E.
T + 971 4 8894797
F + 971 4 8894798

Shipping**WAGENBORG SHIPPING B.V.**

Marktstraat 10
P.O. Box 14, 9930 AA Delfzijl, NL
T +31(0)596 636 911
F +31 (0)596 636 250
E chartering@wagenborg.com

WAGENBORG FAR EAST REP. OFFICE

Yuandong building rm. 1703
1101 Pudong nan road, Shanghai, China
T +86-13817579651 (mobile)
E shanghai.info@wagenborg.com

WAGENBORG SHIPPING SWEDEN AB

Fosievägen 17
P.O. Box 8054, SE-200 41 Malmö, Sweden
T +46 (0)40 93 71 00
E info.sweden@wagenborg.com

WAVE SHIPPING, S.L.

Francisco Santos, 2 2º Izq.
28028 Madrid
T +34 917 253763
F +34 917 254022
E wave@waveship.com

WAGENBORG SHIPPING NORTH AMERICA INC.

500 Place d'Armes, Suite 2310
Montreal, Quebec, H2Y 2W2, Canada
T +1 514 2888282
F +1 514 8422744
E info@wagenborgna.ca

WAGENBORG SOUTH EAST ASIA

15th Floor, A-Place Building, Coral Way
Central Business Park 1, Island 1A
Macapagal Avenue, Pasay City, Philippines 1308
Tel. +63 2 553 6866
Fax +63 2 828 6897

WAGENBORG SAINT PETERSBURG

5 Gapsalskaya street, office 614 St. Petersburg, Russia
T +7 (812) 714 98 05
F +7 (812) 714 97 83

Storage & warehousing**WAGENBORG STEVEDORING B.V.**

Handelskade Oost 21, 9934 AR Delfzijl, NL
T +31 (0)596 636911
F +31 (0)596 630417
E stevedoring@wagenborg.com

Projects & Logistics**WAGENBORG PROJECTS & LOGISTICS B.V.**

Marktstraat 10
P.O. Box 14, 9930 AA Delfzijl, NL
T +31(0)596 636 911
F +31 (0)596 636 250
E chartering@wagenborg.com

WAGENBORG PROJECTS & LOGISTICS B.V.

Ridderhaven 27, 2984 BT Ridderkerk, NL
T +31 (0)180 411169
F +31 (0)180 465351
E logistic@wagenborg.com

Heavy lift & transport**WAGENBORG NEDLIFT B.V.**

Gideonweg 5
P.O. Box 254, 9700 AG Groningen, NL
T +31 (0)50 368 2800
F +31 (0)50 368 2849
E nedlift@wagenborg.com

WAGENBORG NEDLIFT B.V.

Diamantstraat 20
7554 TA Hengelo, NL
T +31 (0)74 245 4545
F +31 (0)74 245 4400
E nedlift@wagenborg.com

Towage**WAGENBORG TOWAGE B.V.**

Marktstraat 10
P.O. Box 14, 9930 AA Delfzijl, NL
T +31(0)596 636 911
F +31 (0)596 636 250
E towage@wagenborg.com