MERCHANT SHIPS PORTFOLIO

CREATING SOLUTIONS, CREATING FUTURE

DELTAMARINE

MERCHANT SHIPS

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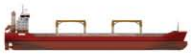
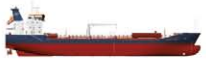
Smart Solutions for Safer Seas


180000 DWT BULK CARRIER


2500 TEU CARGO SHIP


5000 CBM LNG BUNKER TANKER

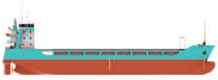

25000 DWT GENERAL CARGO SHIP


10000 DWT OIL&CHEMICAL TANKER

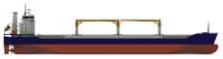

1800 PAX PASSENGER SHIP


18000 CBM ASPHALT TANKER


2600 DWT OIL&CHEMICAL TANKER


5000 DWT GENERAL CARGO SHIP


3500 DWT LPG TANKER


26000 DWT GENERAL CARGO SHIP


12500 DWT OIL&CHEMICAL TANKER

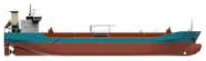

850 PAX DAY-FERRY


15000 DWT OIL&CHEMICAL TANKER


6400 DWT OIL&CHEMICAL TANKER

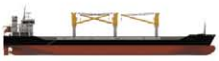

25000 DWT OIL&CHEMICAL TANKER

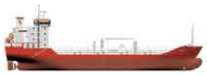

6825 CBM ASPHALT TANKER

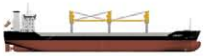

7000 DWT OIL&CHEMICAL TANKER


300 PAX PASSENGER SHIP


30 M FISHERIES RESEARCH VESSEL


16750 DWT GENERAL CARGO SHIP


3500 DWT OIL&CHEMICAL TANKER


20000 DWT BULK CARRIER


1900 TEU CONTAINER SHIP


OIL RECOVERY SHIP

Delta Marine founded in 1996 by a group of naval architects, is a ship design and consultancy firm established to meet the demands of engineering solutions for maritime sector and shipbuilding activities. The company provides design, engineering and consultancy services for building of merchant/naval, yachts and offshore structures.

From very beginning of its establishment, Delta Marine has begun to present integrated solutions covering basic design, production engineering, post-production services, advanced engineering analysis, project management, building supervision and consultancy. By following the latest developments both in professional and computer technologies Delta Marine's continuously improved service quality has drawn big interest from clients. Thus the company has become the most reputable ship design consultancy in Turkey and a favorite partner in World market.

Delta Marine always cares about working with a multidisciplinary staff who bring added value into each phase of the design process. Throughout the years the company has always acted as an academia from where many young engineers and technicians have graduated. Delta Marine relies on blending the experience with dynamism to establish a strong, focused and efficient team while embracing different approaches in a manner to reach professional perfection.

Delta Marine follows the approach of client-focused design development and expanding the corporate knowledge by benefiting from every feedback which happens in various projects. This philosophy has been proven many times so that the organization started to be known as a solution creator providing economical, safe, comfortable, aesthetic and environment-friendly products to maritime sector. Today Delta Marine is proud to present a big fleet sailing in different parts of the World's seas.

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GENERAL CARGO SHIPS

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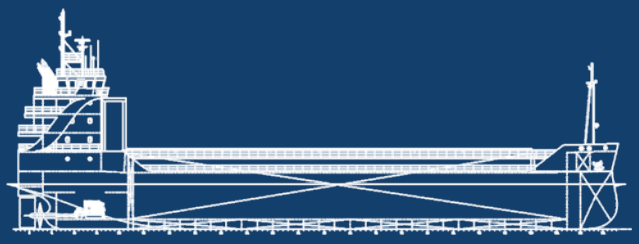
DELTAMARINE



5000 DWT
GENERAL CARGO SHIP

This project is created as a single and box-shaped design to ease the loading/unloading operations. The operational costs are minimized by determination of special gross tonnage, engine power and crew capacity. The length of the ship is intentionally determined while optimized steel weight provides low level investment cost. During the design process the state-of-the-art technology has been used with computer aided naval architecture tools and advanced engineering applications have been carried out to create an economical, safe and comfortable unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo

DELTAMARINE

5000 DWT GENERAL CARGO SHIP

SPECS

Capacities

Cargo	6 260 m^3
Water Ballast	1 600 m^3
HFO	90 m^3
MDO	26 m^3
Fresh Water	44 m^3

Speed Consumption/Range

Design speed	12.5 knots
Consumption	6.2 t/day
Cruising range	3 750 nm

Machinery Main Components

Main Engine	2 x 745 kW
Propeller	2 x 3 500 mm FPP
Diesel Generator	2 x 200 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is to be arranged for 12 crews. Ten (10) single berth cabins and two (2) suits with separate bedroom are to be provided.

Lifesaving equipment is to be arranged for twelve (12) people.

Main Dimensions

L_{OA}	80.20 m
L_{BP}	78.11 m
B (molded)	16.00 m
D (molded)	7.50 m
Draught (design)	6.00 m
Draught (scantling)	6.55 m

Tonnage

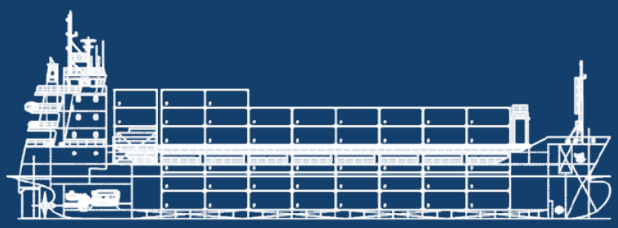
DWT (at design)	4 600 t
DWT (at scantling)	5 200 t
GRT (app)	2 990
NT (app)	1 730

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [x] Feasibility Analyses

REFERENCES

⚓ No References Yet



5000 DWT
GENERAL CARGO SHIP

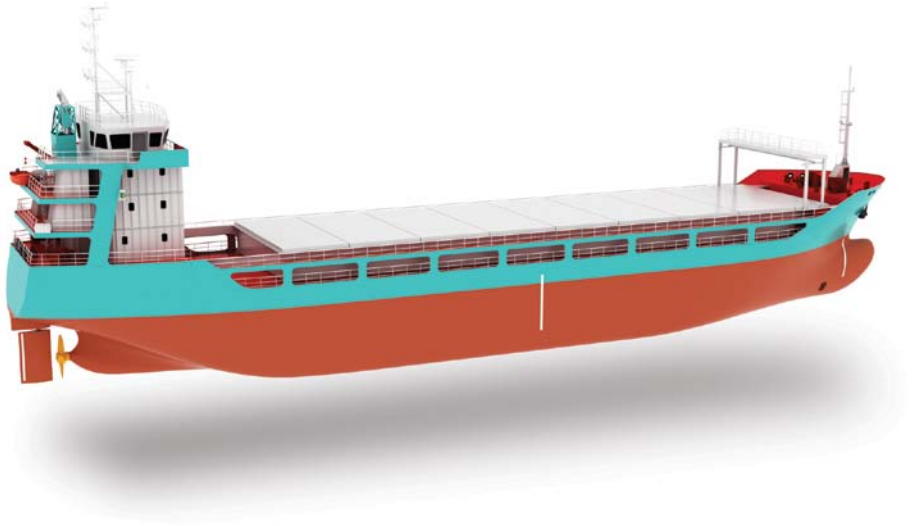
The vessel is designed as double hull, single screw propulsion, general cargo vessel for unrestricted navigation, being capable to carry general cargoes, bulk cargoes, steel coil and container. There is one (1) box-shaped cargo hold which eases the loading / unloading operations. There is one (1) gantry crane which serves pontoon type hatch covers. Cargo hold tank top is reinforced against the loads up to 12 t/m² . There is no structural element facing in the hold and this design brings the advantage of reduction in time for cleaning. The operational costs are minimized by determination of special gross tonnage, engine power and crew capacity. The length of the ship is intentionally determined while optimized steel weight provides low level investment cost. During the design process the state-of-the-art technology has been used with computer aided naval architecture tools and advanced engineering applications have been carried out to create an economical, safe and comfortable unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo.

DELTAMARINE

5000 DWT GENERAL CARGO SHIP
SPECS



Capacities

Cargo	5 900 m^3
Water Ballast	1 930 m^3
HFO	110 m^3
MDO	25 m^3
Fresh Water	33 m^3

Speed Consumption/Range

Design speed	11.0 knots
Consumption	5.0 t/day
Cruising range	4 750 nm

Machinery Main Components

Main Engine	1 x 1 200 kW
Propeller	1 x 3 600 mm FPP
Diesel Generator	2 x 225 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is to be arranged for 12 crews. Ten (10) single berth cabins and two (2) suits with separate bedroom are to provided with private facilities.

Main Dimensions

L_{OA}	83.12 m
L_{BP}	78.05 m
B (molded)	15.80 m
D (molded)	7.65 m
Draught (design)	6.00 m
Draught (scantling)	6.60 m

Tonnage

DWT (at design)	4 670 t
DWT (at scantling)	5 000 t
GRT (app)	2 930
NT (app)	1 625

SCOPE OF SERVICES

- [x] Conceptual Design
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- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- ⚓ TÜRK YILDIZI - 1
- ⚓ TÜRK YILDIZI - 2
- ⚓ TÜRK YILDIZI - 3

7500 DWT
GENERAL CARGO SHIP

The project is mainly designed as single screw, double hull, box shaped two cargo holds, serving with folding type hatch covers and two deck cranes. She is designed for carriage of general cargoes, timber, paper, project cargoes, bulk cargoes such as coal, grain, dangerous cargo (Solas II-2 Reg 19) and container cargoes (optional) in holds up to 10 t/m^2, on main deck and on hatch covers. Cargo holds are surrounded by double hull from side and bottom. Tank top and side lower plating are reinforced for grab discharge. During the design process the state-of-the-art technology has been used with computer aided naval architecture tools and advanced engineering applications have been carried out to create an economical, safe and comfortable unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo

DELTAMARINE

7500 DWT GENERAL CARGO SHIP SPECS

Capacities

Cargo	9 770 m^3
Water Ballast	2 900 m^3
HFO	300 m^3
MDO	80 m^3
Fresh Water	80 m^3

Speed Consumption/Range

Design speed	12.5 knots
Consumption	8.8 t/day
Cruising range	9 000 nm

Machinery Main Components

Main Engine	1 x 2 040 kW
Propeller	1 x 3 900 mm FPP
Diesel Generator	3 x 450 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for 16 crews (14 cabins with single berth, 2 suits with separate bedroom, 1 pilot/owner cabin).

Lifesaving equipment is arranged for twenty (20) people. Safety manning is twenty (20) people.

Main Dimensions

L_{OA}	113.85 m
L_{BP}	106.20 m
B (molded)	18.20 m
D (molded)	8.50 m
Draught (design)	6.50 m
Draught (scantling)	6.50 m

Tonnage

DWT (at design)	7 500 t
DWT (at scantling)	7 750 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
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- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet

16 750 DWT
GENERAL CARGO SHIP

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight this project's design is based on single two-stroke engine, fixed pitch highly efficient propeller, four pieces of box-shape holds, three pieces of cargo cranes (two pieces 30 t and one piece of 40 t), 20 t/m² tank-top load, Grab Discharge class notation, allowance to load dangerous goods, double skinned holds and bunker tanks, shallow draught and strengthened structure for iced sea areas. These sophisticated design properties provides building of a single screw, single deck, shallow draught ship able to make trade at worldwide level for carriage of general cargoes, steel coil, coal, grain, dangerous good etc.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to enter to ports with low draught
Ability to sail in iced sea areas

DELTAMARINE

16 750 DWT GENERAL CARGO SHIP

SPECS

Capacities

Cargo	21 760 m^3
Water Ballast	7 650 m^3
HFO	640 m^3
MDO	80 m^3
Fresh Water	140 m^3

Speed Consumption/Range

Design speed	13.5 knots
Consumption	15.5 t/day
Cruising range	11 000 nm

Machinery Main Components

Main Engine	1 x 4 440 kW
Propeller	1 x 3 950 mm FPP
Diesel Generator	3 x 475 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for twenty (20) crews and one pilot/owner. Eighteen (18) single berth cabins, two (2) suits with separate bedrooms and one (1) cabin for pilot/owner are provided. Lifesaving equipment is arranged for twenty one (21) people. aaarrangedarranged for twenty one (21) people.

Main Dimensions

L_{OA}	152.50 m
L_{BP}	146.00 m
B (molded)	22.50 m
D (molded)	10.80 m
Draught (design)	7.00 m
Draught (scantling)	7.75 m

Tonnage

DWT (at design)	14 500 t
DWT (at scantling)	16 750 t
GRT (app)	11 600
NT (app)	5 700

SCOPE OF SERVICES

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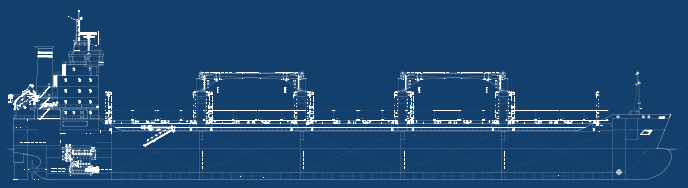
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- PEACE
- ZEALAND JULIANA
- YM EVEREST



25 000 DWT
GENERAL CARGO SHIP

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight this projects design is based on single two-stroke engine, controllable pitch highly efficient propeller, five pieces of box-shaped cargo holds, four (4) pieces of 30 t cargo cranes, 18 t/m^2 tank-top load, Grab Discharge class notation, double skinned holds and bunker tanks and shallow draught. These sophisticated design properties enables building of a single screw, single deck, shallow draught ship able to make trade at worldwide level for carriage of general cargoes, steel coil, coal, grain, dangerous good, etc.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to enter to ports with low draught
Ability to sail in iced sea areas

DELTAMARINE

25 000 DWT GENERAL CARGO SHIP

SPECS

Capacities

Cargo	34 920 m^3
Water Ballast	11 870 m^3
HFO	1 000 m^3
MDO	100 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	21.8 t/day
Cruising range	15 000 nm

Machinery Main Components

Main Engine	1 x 6 300 kW
Propeller	1 x 5 000 mm CPP
Diesel Generator	3 x 475 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for twenty two (22) crews and one pilot. Nineteen (19) single berth cabins, four (4) suits with separate bedrooms and additional two (2) spare cabins are provided.

Lifesaving equipment is arranged for twenty five (25) people.

Main Dimensions

L_{OA}	170.00 m
L_{BP}	164.00 m
B (molded)	27.60 m
D (molded)	12.60 m
Draught (design)	8.00 m
Draught (scantling)	8.40 m

Tonnage

DWT (at design)	22 300 t
DWT (at scantling)	25 000 t

SCOPE OF SERVICES

- [x] Conceptual Design
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- [ ] Procurement Consultancy
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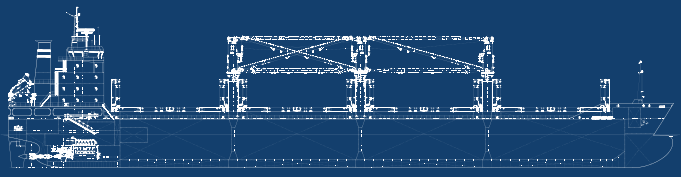
REFERENCES

⚓ No References Yet



26 000 DWT
GENERAL CARGO SHIP

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight, this project's design is based on single two-stroke engine, controllable pitch highly efficient propeller, four pieces of box-shaped holds, two (2) pieces of 30 t cargo cranes and one (1) piece of 40 t cargo crane, 20 t/m^2 tank-top load, Grab Discharge class notation, double skinned holds and bunker tanks and shallow draught. These sophisticated design properties enables building of a single screw, single deck, shallow draught ship able to make trade at worldwide level for carriage of general cargoes, steel coil, coal, grain, dangerous good, etc.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to enter to ports with low draught
Ability to sail in iced sea areas

DELTAMARINE

26 000 DWT GENERAL CARGO SHIP

SPECS

Capacities

Cargo	34 350 m^3
Water Ballast	10 930 m^3
HFO	1 020 m^3
MDO	165 m^3
Fresh Water	120 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	21.8 t/day
Cruising range	15 000 nm

Machinery Main Components

Main Engine	1 x 6 300 kW
Propeller	1 x 5 600 mm CPP
Diesel Generator	3 x 475 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for twenty one (21) crews and one pilot. Eighteen (18) single berth cabins, four (4) suits with separate bedrooms and additional two (2) spare cabins are provided.

Lifesaving equipment is arranged for twenty five (25) people.

Main Dimensions

L_{OA}	173.75 m
L_{BP}	166.00 m
B (molded)	27.20 m
D (molded)	12.60 m
Draught (design)	8.50 m
Draught (scantling)	8.79 m

Tonnage

DWT (at design)	24 850 t
DWT (at scantling)	26 050 t
GRT	18 035
NT	8 560

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
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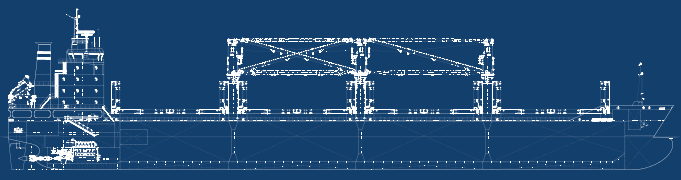
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- ZEALAND AMALIA
- ZEALAND MAXIMA



28 000 DWT
GENERAL CARGO SHIP

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight this projects design is based on single two-stroke engine, controllable pitch highly efficient propeller, five pieces of box-shaped cargo holds, two (2) pieces of 30 t and one (1) piece of 40 t cargo cranes, 20 t/m^2 tank-top load, Grab Discharge class notation, double skinned holds and bunker tanks and shallow draught. These sophisticated design properties enables building of a single screw, single deck, able to make trade at worldwide level for carriage of general cargoes, steel coil, coal, grain, dangerous good, etc.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to enter to ports with low draught
Ability to sail in iced sea areas

DELTAMARINE

28 000 DWT GENERAL CARGO SHIP

SPECS

Capacities

Cargo	37 800 m^3
Water Ballast	12 000 m^3
HFO	1 100 m^3
MDO	100 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	22.6 t/day
Cruising range	16 000 nm

Machinery Main Components

Main Engine	1 x 5 800 kW
Propeller	1 x 5 000 mm FPP
Diesel Generator	3 x 475 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for twenty two (22) crews and one pilot. Nineteen (19) single berth cabins, four (4) suits with separate bedrooms and additional two (2) spare cabins are provided.

Lifesaving equipment is arranged for twenty five (25) people.

Main Dimensions

L_{OA}	173.75 m
L_{BP}	166.00 m
B (molded)	27.20 m
D (molded)	13.80 m
Draught (design)	8.75 m
Draught (scantling)	9.50 m

Tonnage

DWT (at design)	25 000 t
DWT (at scantling)	28 000 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet

BULK CARRIERS

www.deltamarine.com.tr

DELTAMARINE

20 000 DWT
BULK CARRIER

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight, this project's design is based on single two-stroke engine, fixed pitch highly efficient propeller, four pieces of box-shape holds, three (3) pieces of 30 t cargo cranes, 18 t/m²; tank-top load, Grab Discharge class notation, allowance to load dangerous goods and double skinned holds and bunker tanks. 24.5x18.2 m clear hatch openings give the vessel easy loading/unloading. Each cargo hold has mechanical ventilation system. These sophisticated design properties provides building of a single screw, single deck ship able to make trade at worldwide level for carriage of bulk cargoes such as coal, grain, ore, etc. as well as heavy cargoes.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo

DELTAMARINE

20 000 DWT BULK CARRIER

SPECS

Capacities

Cargo	26 630 m^3
Water Ballast	8 135 m^3
HFO	750 m^3
MDO	110 m^3
Fresh Water	135 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	20.8 t/day
Cruising range	12 000 nm

Machinery Main Components

Main Engine	1 x 5 920 kW
Propeller	1 x 4 300 mm FPP
Diesel Generator	3 x 575 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for twenty (20) crews, one (1) repair man and one (1) pilot. Nine (9) single berth cabins, nine (9) double berth cabins, two (2) suits with separate bedrooms and additional two (2) cabins for repair man and pilot are provided. Lifesaving equipment is arranged for twenty two (22) people.

Main Dimensions

L_{OA}	157.90 m
L_{BP}	151.50 m
B (molded)	23.20 m
D (molded)	12.50 m
Draught (design)	8.60 m
Draught (scantling)	9.00 m

Tonnage

DWT (at design)	4 600 t
DWT (at scantling)	5 200 t
GRT (app)	2 990
NT (app)	1 730

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- EYLUL K
- ISMAIL K

32000 DWT
BULK CARRIER

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight, this projects design is based on single two-stroke engine, fixed pitch highly efficient propeller, four pieces of box-shape holds, four (4) pieces of 35 t cargo cranes, 20 t/m^2 tank-top load, allowance to load dangerous goods, compliance with CSR and double skinned holds and bunker tanks. These sophisticated design properties provides building of a single screw, single deck ship able to make trade at worldwide level for carriage of bulk cargoes such as grain, ore, cement, alumina, bauxite, mineral sand, steel coils, timber and certain dangerous cargoes.

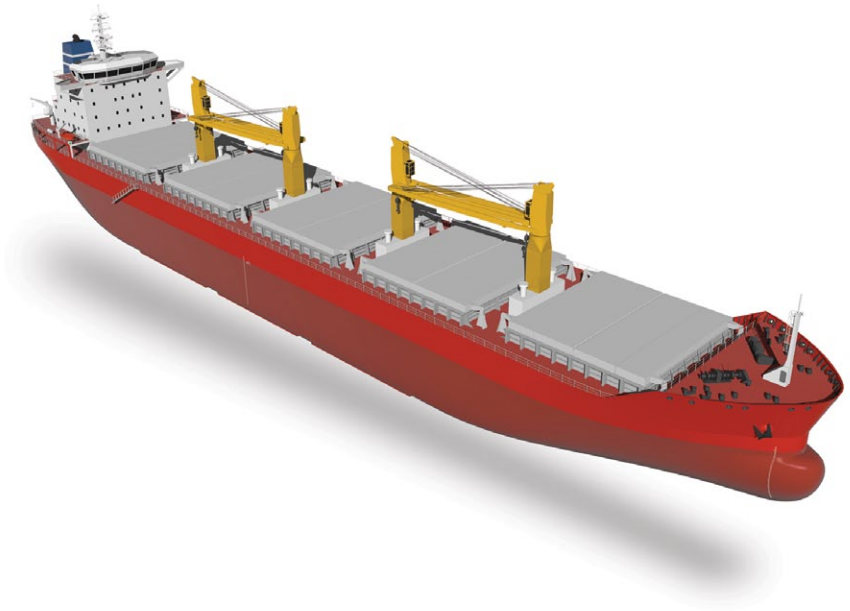
BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo

DELTAMARINE

32 000 DWT BULK CARRIER

SPECS



Capacities

Cargo	42 000 m^3
Water Ballast	21 500 m^3
HFO	1 500 m^3
MDO	200 m^3
Fresh Water	200 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	20.9 t/day
Cruising range	21 500 nm

Machinery Main Components

Main Engine	1 x 6 050 kW
Propeller	1 x 6 000 mm FPP
Diesel Generator	3 x 680 kW
Em'cy Diesel Generator	1 x 120kW

Complement

The accommodation area is arranged for twenty three (23) crews and one (1) pilot. Nineteen (19) single berth cabins, four (4) suits with separate bedrooms and additional one (1) cabin for pilot are provided.

Lifesaving equipment is arranged for twenty two (24) people.

Main Dimensions

L_{OA}	180.00 m
L_{BP}	174.00 m
B (molded)	28.00 m
D (molded)	14.15 m
Draught (design)	9.30 m
Draught (scantling)	9.80 m

Tonnage

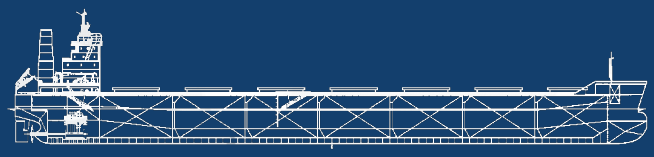
DWT (at design)	30 000 t
DWT (at scantling)	32 000 t
GRT (app)	21 200
NT (app)	11 200

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



78 000 DWT
BULK CARRIER

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight, this design is based on single two-stroke engine, fixed pitch highly efficient propeller, seven pieces of cargo holds, Grab Discharge class notation, compliance with CSR, double skinned holds and bunker tanks. These sophisticated design properties provides building of a single screw, single deck, gearless ship able to make trade at worlwide level for carriage of light bulk cargoes such as grain, coal, fertilizer as well as heavier cargoes lie ore, bauxite in bulk.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Compliance with IACS CSR Rules
Ability to carry various types of cargo

DELTAMARINE

78 000 DWT BULK CARRIER

SPECS

Capacities

Cargo	86 670 m³
Water Ballast	38 750 m³
HFO	2 050 m³
MDO	150 m³
Fresh Water	200 m³

Speed Consumption/Range

Design speed	13.0 knots
Consumption	30.0 t/day
Cruising range	15 000 nm

Machinery Main Components

Main Engine	1 x 8 500 kW
Propeller	1 x 6500 mm FPP
Diesel Generator	3 x 750 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for twenty eight (28) crews, one (1) owner, one (1) pilot and six (6) suits with seperate bedrooms and additio- nal three (3) cabins for pilot, owner and Suez crew are provided.

Lifesaving equipment is arranged for thirty six (36) people.

Main Dimensions

L_{OA}	230.00 m
L_{BP}	223.70 m
B (molded)	38.00 m
D (molded)	17.50 m
Draught (design)	11.50 m
Draught (scantling)	12.00 m

Tonnage

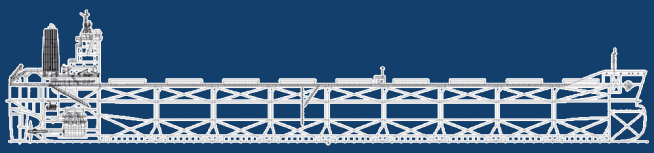
DWT (at design)	74 000 t
DWT (at scantling)	78 000 t
GRT (app)	45 300
NT (app)	21 650

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



180 000 DWT
BULK CARRIER

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight this project's design is based on single two-stroke engine, fixed pitch highly efficient propeller, nine pieces of cargo holds, Grab Discharge class notation, compliance with CSR and double skinned holds and bunker tanks. These sophisticated design properties enables building of a single screw, single deck ship able to make trade at worldwide level for carriage of cargoes such as coal, ore, grain, etc and heavy cargoes.

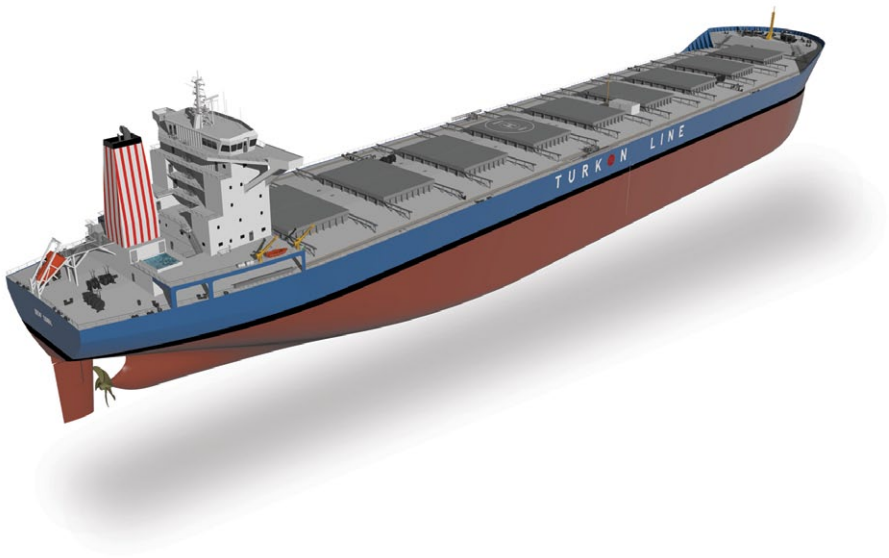
BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Compliance with IACS CSR Rules

DELTAMARINE

180 000 DWT BULK CARRIER

SPECS



Capacities

Cargo	196 515 m³
Water Ballast	60 070 m³
HFO	4 465 m³
MDO	260 m³
Fresh Water	630 m³

Speed Consumption/Range

Design speed	14.5 knots
Consumption	68.0 t/day
Cruising range	20 000 nm

Machinery Main Components

Main Engine	1 x 18 660 kW
Propeller	1 x 8 000 mm FPP
Diesel Generator	3 x 970 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for thirty (30) crews with pilot cabin, owner cabin and Suez crew cabin. Twenty two (22) single berth cabins for crew, two (2) single berth cabins for juinor officers, six (6) suites (three different types) with separate bedrooms for upper rank officers are fitted. Lifesaving equipment is arranged for thirty two (32) people.

Main Dimensions

L_{OA}	289.00 m
L_{BP}	280.50 m
B (molded)	45.00 m
D (molded)	24.80 m
Draught (design)	16.10 m
Draught (scantling)	18.25 m

Tonnage

DWT (at design)	155 000 t
DWT (at scantling)	181 000 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

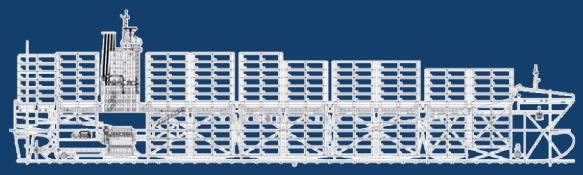
REFERENCES

⚓ TBN (SEDEF NB158)

CONTAINER SHIPS

www.deltamarine.com.tr

DELTAMARINE



1900 TEU
CONTAINER SHIP

The vessel is designed as a single screw double skinned, gearless container ship for unrestricted navigation and service. She is capable to carry containers in box shaped holds and strengthened with continuous double bottom and double side hull construction. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. The hull form, optimized with CFD analysis, is designed for minimum resistance, minimum fuel consumption at economi- cal speed. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Fast feeder

DELTAMARINE

1900 TEU CONTAINER SHIP

SPECS

Capacities

Cargo	35 600 m³
Water Ballast	12 100 m³
HFO	2 050 m³
MDO	170 m³
Fresh Water	215 m³

Speed Consumption/Range

Design speed	19.5 knots
Consumption	49.0 t/day
Cruising range	17 500 nm

Machinery Main Components

Main Engine	1 x 13 280 kW
Propeller	1 x 5 900 mm FPP
Diesel Generator	3 x 740 kW
Em'cy Diesel Generator	1 x 300 kW

Complement

The accommodation area is arranged for eighteen (18) crews, one (1) owner and one (1) pilot. Fourteen (14) single berth cabins, four (4) suits with separate bedrooms and two (2) cabins for pilot and owner are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	182.85 m
L_{BP}	171.00 m
B (molded)	28.00 m
D (molded)	16.10 m
Draught (design)	10.00 m
Draught (scantling)	11.00 m

Tonnage

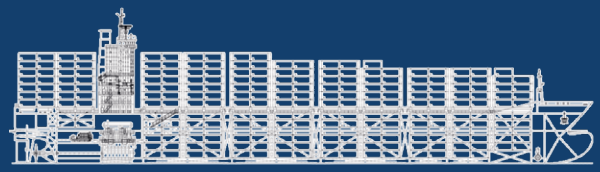
DWT (at design)	22 600 t
DWT (at scantling)	26 810 t
GRT (app)	21 090
NT (app)	8 600

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- CAFER DEDE
- IBRAHIM DEDE
- KAAN KALKAVAN
- MUKADDES KALKAVAN
- MUSTAFA DAYI
- NEVZAT KALKAVAN



2500 TEU
CONTAINER SHIP

The vessel is designed as a single screw double skinned container ship for unrestricted navigation and service. She is capable to carry containers in box shaped holds and strength- ened with continuous double bottom and double side hull construction. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. The hull form, optimized with CFD analysis, is designed for minimum resistance, minimum fuel consumption at economical speed. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Fast feeder

DELTAMARINE

2500 TEU CONTAINER SHIP

SPECS

Capacities

Cargo	45 257 m^3
Water Ballast	14 260 m^3
HFO	3 645 m^3
MDO	187 m^3
Fresh Water	197 m^3

Speed Consumption/Range

Design speed	19.0 knots
Consumption	61.0 t/day
Cruising range	24 000 nm

Machinery Main Components

Main Engine	1 x 16 662 kW
Propeller	1 x 6 750 mm FPP
Diesel Generator	4 x 1 215 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for twenty one (21) crews, one (1) owner and one (1) pilot. Seventeen (17) single berth cabins, four (4) suits with separate bedrooms and two (2) cabins for pilot and owner are provided.

Lifesaving equipment is arranged for twenty three (23) people.

Main Dimensions

L_{OA}	197.60 m
L_{BP}	182.25 m
B (molded)	30.20 m
D (molded)	17.00 m
Draught (design)	11.00 m
Draught (scantling)	12.00 m

Tonnage

DWT (at design)	31 370 t
DWT (at scantling)	36 300 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

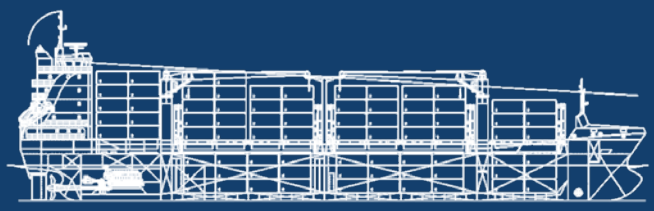
REFERENCES

⚓ No References Yet

MULTIPURPOSE CARGO SHIPS

www.deltamarine.com.tr

DELTAMARINE



6500 DWT
MULTIPURPOSE CARGO SHIP

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight this project's design is based on single four-stroke engine, controllable pitch highly efficient propeller, three (3) cargo holds (two of them box-shaped), two (2) pieces of 45 t cargo cranes, 25 t/m² tank-top load, "Heavy Cargo" class notation, allowance to carry dangerous goods and double skinned holds and bunker tanks. These sophisticated design properties provides building of a single screw, single deck ship able to make trade at worldwide level for carriage of general cargoes, timber, paper, bulk cargoes such as coal, grain, steel coils, dangerous cargoes and container cargoes in holds, on main deck and on hatch covers.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

6500 DWT MULTIPURPOSE CARGO SHIP

SPECS

Capacities

Cargo	9 350 m³
Water Ballast	3 000 m³
HFO	735 m³
MDO	114 m³
Fresh Water	100 m³

Speed Consumption/Range

Design speed	16.5 knots
Consumption	16.5 t/day
Cruising range	14 500 nm

Machinery Main Components

Main Engine	1 x 4 500 kW
Propeller	1 x 4 800 mm FPP
Diesel Generator	3 x 450 kW
Em'cy Diesel Generator	1 x 99 kW
Shaft Generator	1 x 1 300 kW

Complement

The accommodation area is arranged for twenty three (23) crews. Fourteen (14) single berth cabins, two (2) two berth cabins, three (3) suits with separate bedrooms and additional two (2) cabins for pilot and owner are provided.

Lifesaving equipment is arranged for twenty four (24) people.

Main Dimensions

L_{OA}	120.50 m
L_{BP}	112.95 m
B (molded)	18.80 m
D (molded)	9.00 m
Draught (design)	6.50 m
Draught (scantling)	6.80 m

Tonnage

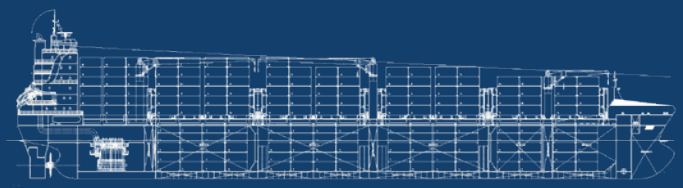
DWT (at design)	6 500 t
DWT (at scantling)	7 000 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



25000 DWT
MULTIPURPOSE CARGO SHIP

While the hull form and propulsion parameters optimized to perfection and the steel material optimized for minimum weight this projects design is based on single two-stroke engine, controllable pitch highly efficient propeller, three (3) cargo holds (two of them box-shaped), two (2) pieces of 45t/30 m and one (1) piece of 45t/16 m cargo cranes, 25t/m² tank-top load, “Heavy Cargo” class notation, allowance to carry dangerous goods and double skinned holds and bunker tanks. These sophisticated design properties provides building of a single screw, single deck ship able to make trade at worldwide level for carriage of general cargoes, timber, paper, bulk cargoes such as coal, grain, steel coils, dangerous cargoes and container cargoes in holds, on main deck and on hatch covers.

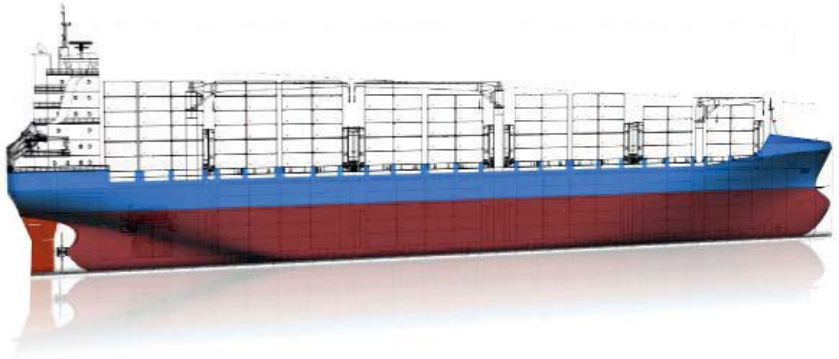
BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

25000 DWT MULTIPURPOSE CARGO SHIP

SPECS



Capacities

Cargo	33 000 m^3
Water Ballast	12 000 m^3
HFO	2 500 m^3
MDO	114 m^3
Fresh Water	110 m^3

Speed Consumption/Range

Design speed	18.0 knots
Consumption	42.7 t/day
Cruising range	19 000 nm

Machinery Main Components

Main Engine	1 x 12 000 kW
Propeller	1 x 6 700 mm CPP
Diesel Generator	3 x 1 000 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for twenty four (24) crews, one (1) pilot and one (1) owner. Nineteen (19) single berth cabins, two (2) two berth cabins, three (3) suits with separate bedrooms and additional two (2) cabins for pilot and owner are provided.
Lifesaving equipment is arranged for twenty eight (28) people.

Main Dimensions

L_{OA}	180.50 m
L_{BP}	170.20 m
B (molded)	25.60 m
D (molded)	14.50 m
Draught (design)	10.00 m
Draught (scantling)	10.40 m

Tonnage

DWT (at design)	25 500 t
DWT (at scantling)	26 650 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

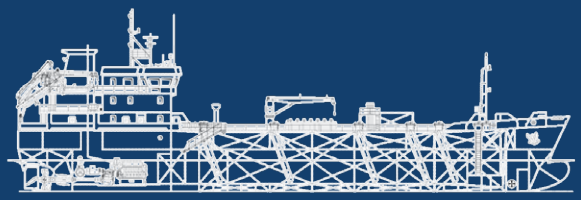
REFERENCES

⚓ No References Yet

OIL CHEMICAL TANKERS

www.deltamarine.com.tr

DELTAMARINE



1700 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as a single screw, double decked and ice strengthened oil product and chemical tanker for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II & III type cargoes (acc.to IBC Code), petrochemical solvents, clean, dirty products, lube oils, mineral, vegetable oils with specific gravity up to 1.54 t/m^3 in twelve pieces of coated cargo tanks and two cylindirical slop tanks on deck. No structural element faces into the cargo tanks while one deep-well pump with complete segregation for each cargo tank and one vapour return line are provided. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to sail in iced sea areas
Enhanced safety with tween deck

DELTAMARINE

1700 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	1 976 m³
Water Ballast	1 620 m³
MDO	184 m³
Fresh Water	44 m³

Speed Consumption/Range

Design speed	12.0 knots
Consumption	7.5 t/day
Cruising range	6 000 nm

Machinery Main Components

Main Engine	1 x 2 040 kW
Propeller	1 x 2 850 mm dia CPP
Diesel Generator	2 x 220 kW
Em'cy Diesel Generator	1 x 150 kW
Shaft Generator	1 x 540 kW

Complement

The accommodation area is arranged for nine (9) crews.Totaly eleven (11) single berth cabins, one (1)of them with separate bedroom. One (1) owner and one (1) charter rooms are provided.

Lifesaving equipment is arranged for twelve (12) people.

Main Dimensions

L_{OA}	77.20 m
L_{BP}	72.25 m
B (molded)	13.40 m
D (molded)	8.35 m
Draught (design)	5.00 m
Draught (scantling)	5.00 m

Tonnage

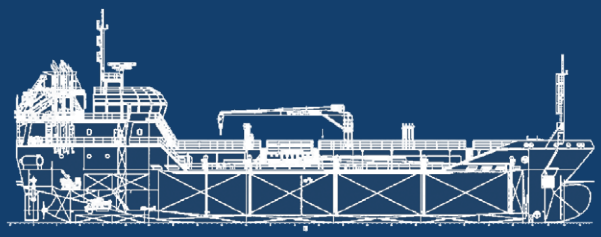
DWT (at design)	2 025 t
DWT (at scantling)	2 025 t
GRT (app)	2 195
NT (app)	660

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ ORASILA



2600 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, twin-screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II/III chemical cargoes, petrochemi- cal solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo and slop tanks, up to 1.54 t/m^3 specific gravity. Hull structure is analysed by FEM tools for safety and weight optimization.
The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment- friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Easy maintenance and overhauling
Enhanced visibility with special wheelhouse design

DELTAMARINE

2600 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	2 640 m³
Water Ballast	1 065 m³
DO	110 m³
Fresh Water	45 m³

Speed Consumption/Range

Design speed	12.5 knots
Consumption	5.3 t/day
Cruising range	4 750 nm

Machinery Main Components

Main Engine	2 x 577 kW
Propeller	2 x 2 100 mm FPP
Diesel Generator	3 x 270 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for eleven (11) crews.Nine (9) single berth cabins, two(2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twelve (12) people.

Main Dimensions

L_{OA}	72.62 m
L_{BP}	66.67 m
B (molded)	13.40 m
D (molded)	6.40 m
Draught (design)	4.80 m
Draught (scantling)	5.20 m

Tonnage

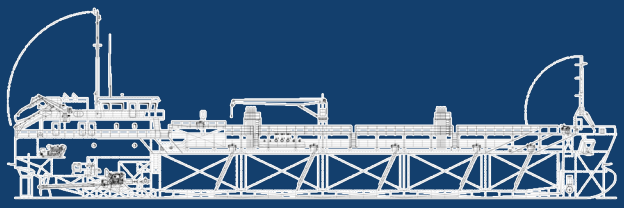
DWT (at design)	2 000 t
DWT (at scantling)	2 675 t
GRT (app)	1 760
NT (app)	700

SCOPE OF SERVICES

- Conceptual Design
- Contract Design
- Production Engineering
- Post Production Services
- DeltaLoad Ship Loading Software
- Advanced Engineering Analyses
- Project & Document Management
- Supervision Services
- Procurement Consultancy
- Feasibility Analyses

REFERENCES

- ELBA
- GAZPROMNEFT NORD-WEST



2850 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strengthened, single decked twin screw motor ship with double bottom and double skin with coated cargo tanks. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo tanks, which is gravity up to 1.35 t/m^3 at 85 C. Hull structure is analysed by FEM tools for safety and weight optimization and hull form is designed for minimum resistance; overall design provides an environmentally friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Easy maintenance and overhauling

DELTAMARINE

2850 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	3 070 m^3
Water Ballast	1 300 m^3
MDO	150 m^3
Fresh Water	85 m^3

Speed Consumption/Range

Design speed	11.0 knots
Consumption	5.5 t/day
Cruising range	4 500 nm

Machinery Main Components

Main Engine	2 x 746 kW
Propeller	2 x 2 100 mm FPP
Diesel Generator	2 x 280 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for eight (8) crews. 8 single berth cabins with separate private facilities are provided.

Lifesaving equipment is arranged for ten (10) people.

Main Dimensions

L_{OA}	82.30 m
L_{BP}	78.80 m
B (molded)	12.50 m
D (molded)	6.10 m
Draught (design)	4.70 m
Draught (scantling)	4.75 m

Tonnage

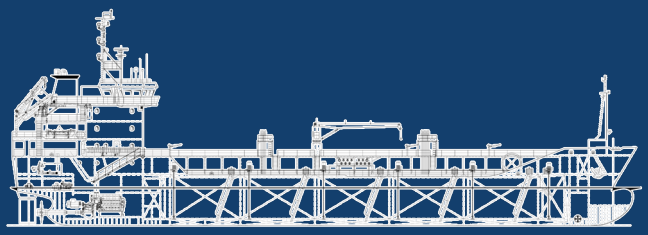
DWT (at design)	2 745 t
DWT (at scantling)	2 810 t
GRT (app)	1 860
NT (app)	825

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ GAZPROMNEFT ZUID WEST



3500 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service, and capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemi-cal solvents, clean/dirty products, lube oil mineral/ vegetable oils in epoxy painted cargo and slop tanks, which is gravity up to 1.54 t/m^3. Hull structure is analysed by FEM tools for safety and weight optimization and no structural elements face into the cargo tanks. Overall design provides an environment- friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

3500 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	4 400 m³
Water Ballast	1 475 m³
HFO	190 m³
MDO	30 m³
Fresh Water	60 m³

Speed Consumption/Range

Design speed	13.0 knots
Consumption	6.8 t/day
Cruising range	7 200 nm

Machinery Main Components

Main Engine	1 x 1 850 kW
Propeller	1 x 3 500 mm dia CPP
Diesel Generator	3 x 300 kW
Em'cy Diesel Generator	1 x 100 kW

Complement

The accommodation area is arranged for seventeen (17) personnel and a pilot. Thirteen (13) single berth cabins, one (1) cabin with two (2) bunk beds, two (2) suits with separate bedrooms and one (1) pilot room are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	92.86 m
L_{BP}	86.65 m
B (molded)	14.10 m
D (molded)	7.20 m
Draught (design)	5.50 m
Draught (scantling)	5.70 m

Tonnage

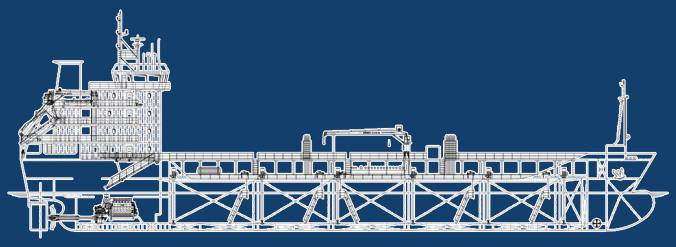
DWT (at design)	3 250 t
DWT (at scantling)	3 500 t
GRT (app)	2 600
NT (app)	1 100

SCOPE OF SERVICES

- Conceptual Design
- Contract Design
- Production Engineering
- Post Production Services
- DeltaLoad Ship Loading Software
- Advanced Engineering Analyses
- Project & Document Management
- Supervision Services
- Procurement Consultancy
- Feasibility Analyses

REFERENCES

- ALEV KAMAN
- ORAHOPE
- SOFIE THERESA
- ATLANTIS ARMONA
- SUSANNE THERESA
- RIKKE THERESA
- ATLANTIS ALDABRA
- BROVIG BORA
- PALLAS GLORY
- ATLANTIS ALVARADO
- EBRU-S
- TUGRUL-S
- FS ODIN
- TROY
- SEPEN
- CANSU Y
- HALDOZ
- TOLI



3500 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service, and capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemi-cal solvents, clean/dirty products, lube oil mineral/ vegetable oils in epoxy painted cargo and slop tanks, which is gravity up to 1.54 t/m^3. Hull structure is analysed by FEM tools for safety and weight optimization and no structural elements face into the cargo tanks. Overall design provides an environment- friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

3500 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	4 280 m³
Water Ballast	1 625 m³
HFO	200 m³
MDO	47 m³
Fresh Water	65 m³

Speed Consumption/Range

Design speed	13.0 knots
Consumption	7.2 t/day
Cruising range	7 500 nm

Machinery Main Components

Main Engine	1 x 1 850 kW
Propeller	1 x 3 500 mm dia CPP
Diesel Generator	3 x 300 kW
Em'cy Diesel Generator	1 x 100 kW

Complement

The accommodation area is arranged for seventeen (17) people and a pilot. Thirteen (13) single berth cabins, one (1) cabin with 2 bunk beds, two (2) suits with separate bedrooms and one (1) pilot room are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	93.11 m
L_{BP}	86.65 m
B (molded)	14.50 m
D (molded)	7.20 m
Draught (design)	5.50 m
Draught (scantling)	5.70 m

Tonnage

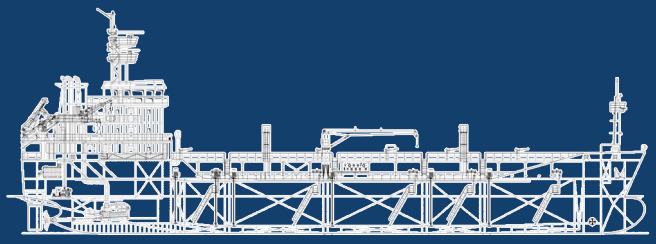
DWT (at design)	3 300 t
DWT (at scantling)	3 550 t
GRT (app)	2 800
NT (app)	1 175

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ SUDE-S



3500 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as single decked, double hull unit for unrestricted navigation to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil, mineral/vegetable oils in epoxy painted cargo and slop tanks. The propulsion is maintained with twin system working independently and each consisting of a diesel engine, a shaft, a CP propeller and a rudder. Hull structure is analysed by FEM tools for safety and weight optimization and no structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit. One deep-well pump for each tank and complete segregation for each cargo tank, one vapour return line are installed.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo

DELTAMARINE

3500 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	4 580 m^3
Water Ballast	1 970 m^3
MDO	170 m^3
Fresh Water	45 m^3

Speed Consumption/Range

Design speed	11.6 knots
Consumption	7.0 t/day
Cruising range	5 000 nm

Machinery Main Components

Main Engine	2 x 960 kW
Propeller	1 x 2 600 mm dia CPP
Diesel Generator	1 x 280 kW
Em'cy Diesel Generator	1 x 175 kW

Complement

The accommodation area is arranged for twelve (12) person- nel. 3 double berth and 9 single berth cabins with separate private facilities are provided.

Main Dimensions

L_{OA}	90.00 m
L_{BP}	85.30 m
B (molded)	14.60 m
D (molded)	7.60 m
Draught (design)	5.30 m
Draught (scantling)	5.40 m

Tonnage

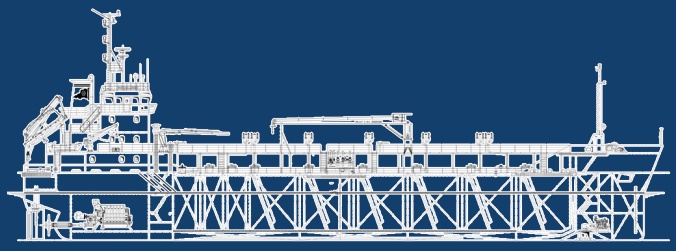
DWT (at design)	3 400 t
DWT (at scantling)	3 550 t
GRT (app)	2 999
NT (app)	1 125

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- OW COPENHAGEN
- OW AALBORG
- ALGOMA DARTMOUTH
- RN TAURUS
- CLIPPER BRICCO
- CT WICKLOW



4500 DWT
OIL PRODUCT TANKER

The vessel is single decked, single screw motor ship with double bottom and double sides for shipping in extended european trading area and capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in fourteen (14) epoxy painted cargo tanks. Hull construction will be withstand the cargo at 0.98 t/m^3. The hull form is designed for minimum resistance, overall design provides an environ- mentally friendly, cost-effective, reliable and flexible unit. Cargo pump room installation, four segregation, one vapour return line are provided.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

4500 DWT OILPRODUCT TANKER

SPECS

Capacities

Cargo	5 090 m^3
Water Ballast	2 167 m^3
MDO	244 m^3
Fresh Water	83 m^3

Speed Consumption/Range

Design speed	11.5 knots
Consumption	6.8 t/day
Cruising range	9 000 nm

Machinery Main Components

Main Engine	1 x 1 850 kW
Propeller	1 x 2 900 mm dia CPP
Diesel Generator	2 x 312 kW
Em'cy Diesel Generator	1 x 80 kW

Complement

8 single berth and 1 double berth cabins with separate private facilities are provided.

Main Dimensions

L_{OA}	84.95 m
L_{BP}	80.80 m
B (molded)	15.00 m
D (molded)	8.60 m
Draught (design)	6.30 m
Draught (scantling)	6.30 m

Tonnage (Approx)

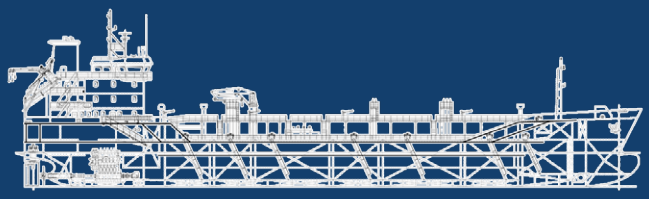
DWT (at design)	4 500 t
DWT (at scantling)	4 500 t
GRT (app)	2 960
NT (app)	1 355

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- WHITCHALLENGER
- WHITCHAMPION



4500 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo and slop tanks, which is gravity up to 1.54 t/m^3. Pipe tunnel in double bottom keeps the ballast valves dry. Hull structure is analysed by FEM tools for safety and weight optimization and no structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit. The ship is fitted with cargo pump room installation and three segregations.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

4500 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	5 445 m^3
Water Ballast	2 266 m^3
HFO	240 m^3
MDO	51 m^3
Fresh Water	77 m^3

Speed Consumption/Range

Design speed	15.0 knots
Consumption	11.3 t/day
Cruising range	6 750 nm

Machinery Main Components

Main Engine	1 x 3 250 kW
Propeller	1 x 3 300 mm dia CPP
Diesel Generator	3 x 380 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for ten (10) crews.

Lifesaving equipment is arranged for twelve (12) people.

Main Dimensions

L_{OA}	106.20 m
L_{BP}	100.70 m
B (molded)	15.60 m
D (molded)	7.80 m
Draught (design)	5.90 m
Draught (scantling)	6.30 m

Tonnage (Approx)

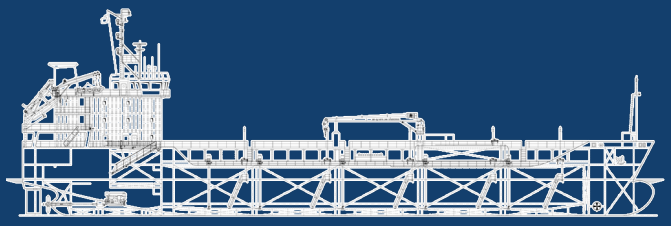
DWT (at design)	4 460 t
DWT (at scantling)	4 598 t
GRT (app)	3 710
NT (app)	1 495

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- ORAHOLM
- ORASUND
- ORATANK



4750 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as single decked, double bottom and double skined, single screw chemical tanker capable to carry a large range of liquid cargoes IMO II class as well as petroleum products and vegetables oils, gravity upto 1.54 t/m³, in ten (10) cargo and two (2) slop smooth-walled coated cargo tanks. No steel structure facing into the cargo tanks. The hull form is designed for minimum resistance, overall design provides an environmentally friendly, cost-effective, reliable and flexible unit. One deep-well pump for each tank and complete segregation, one vapour return line.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

4750 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	5 480 m^3
Water Ballast	1 755 m^3
HFO	245 m^3
MDO	55 m^3
Fresh Water	130 m^3

Speed Consumption/Range

Design speed	13.0 knots
Consumption	8.1 t/day
Cruising range	7 600 nm

Machinery Main Components

Main Engine	1 x 2 205 kW
Propeller	1 x 3 850 mm dia CPP
Diesel Generator	3 x 380 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

Complement is for 14 people, safety manning 14. The accommodation area is arranged for fourteen (14) personnel. Twelve (12) single berth cabins and two (2) suits with separate bedrooms are provided. Also a pilot cabin is provided. Lifesaving equipment is arranged for eighteen (18) people.

Main Dimensions

L_{OA}	99.84 m
L_{BP}	94.76 m
B (molded)	15.60 m
D (molded)	7.60 m
Draught (design)	5.70 m
Draught (scantling)	6.10 m

Tonnage (Approx)

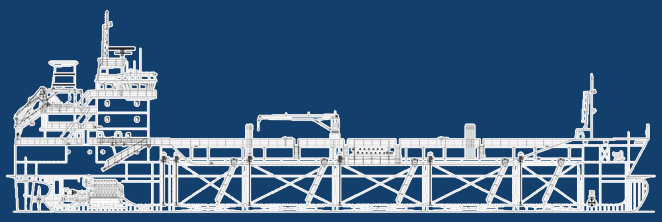
DWT (at design)	4 330 t
DWT (at scantling)	4 865 t
GRT (app)	3 480
NT (app)	1 500

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ VARKAN MARMARA



4850 DWT
OIL PRODUCT & CHEMICAL TANKER

Single decked, single screw motor ship is designed with double bottom, double skin and coated cargo tanks. No steel structure facing into the cargo tanks. The hull form is designed for minimum resistance, overall design provides an environmentally friendly, cost-effective, reliable and flexible unit. One deep-well pump tank and complete segregation for each cargo tank and one vapour return line are provided.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

4850 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	5 750 m^3
Water Ballast	1 950 m^3
HFO	205 m^3
MDO	60 m^3
Fresh Water	80 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	8.8 t/day
Cruising range	8 700 nm

Machinery Main Components

Main Engine	1 x 2 400 kW
Propeller	1 x 3 500 mm dia CPP
Diesel Generator	3 x 400 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is to be arranged for sixteen (16) personnel.

Main Dimensions

L_{OA}	102.90 m
L_{BP}	98.15 m
B (molded)	15.60 m
D (molded)	7.60 m
Draught (design)	5.80 m
Draught (scantling)	6.00 m

Tonnage (Approx)

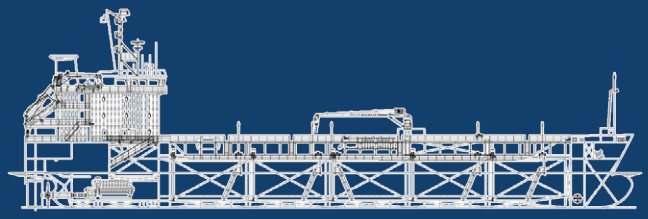
DWT (at design)	4 550 t
DWT (at scantling)	4 835 t
GRT (app)	3 400
NT (app)	1 530

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- MAR ISA
- MAR MARIA
- PAN AGILITY



5000 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable of carrying IMO II chemical cargoes, petrochemical solvents, clean, dirty products, lube oils, mineral, vegetable oils with specific gravity up to 1.54 t/m³ in epoxy coated, smooth walled 10 pieces of cargo and two cylindrical slop tanks on deck. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

5000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	5 470 m³
Water Ballast	1 750 m³
HFO	250 m³
MDO	55 m³
Fresh Water	320 m³

Speed Consumption/Range

Design speed	13.0 knots
Consumption	8.0 t/day
Cruising range	8 320 nm

Machinery Main Components

Main Engine	1 x 1 080 kW
Propeller	2 x 2 600 mm dia CPP
Diesel Generator	1 x 250 kW
Em'cy Diesel Generator	1 x 154 kW

Complement

Complement is for 14 people, safety manning 14. The accommodation area is arranged for fourteen (14) personnel. Twelve (12) single berth cabins and two (2) suits with separate bedrooms are provided. Also a pilot cabin is provided.

Lifesaving equipment is arranged for eighteen (18) people.

Main Dimensions

L_{OA}	99.84 m
L_{BP}	94.76 m
B (molded)	15.60 m
D (molded)	7.60 m
Draught (design)	5.70 m
Draught (scantling)	6.10 m

Tonnage (Approx)

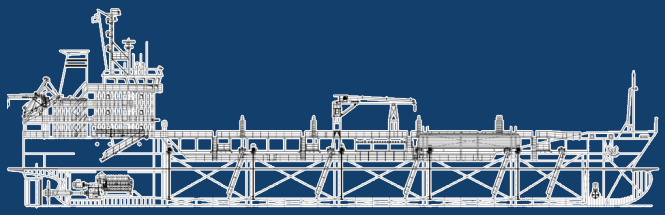
DWT (at design)	4 550 t
DWT (at scantling)	5 000 t
GRT (app)	3 300
NT (app)	1 500

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- CIMIL
- ANZER



5700 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as single screw, oil product chemical tanker with cargo tanks made out of duplex stainless steel. Vessel is designed for unrestricted navigation and service, being capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code), oil products and aggressive acid cargoes such as sulfuric and phosphoric acid, complex cargoes like molasses, methanol and wine with specific gravity up to 2.00 t/m^3.
Hull structure is analysed by FEM tools for safety and weight optimization. No structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit. The ship is fitted with cargo pump room installation and three segregations.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo (e.g. aggresive acids)
Ability to sail in iced sea areas
Stainless steel cargo tanks with high mechanical properties

DELTAMARINE

5700 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	6 585 m^3
Water Ballast	2 390 m^3
HFO	252 m^3
MDO	63 m^3
Fresh Water	80 m^3

Speed Consumption/Range

Design speed	13.0 knots
Consumption	10.6 t/day
Cruising range	6 100 nm

Machinery Main Components

Main Engine	1 x 3 000 kW
Propeller	1 x 3 950 mm dia CPP
Diesel Generator	3 x 450 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is to be arranged for 18 personnel. Fifteen (15) single berth cabins and three (3) suits with separate bedrooms are provided.

Lifesaving equipment is to be arranged for eighteen (18) persons.

Main Dimensions

L_{OA}	105.50 m
L_{BP}	99.35 m
B (molded)	16.80 m
D (molded)	7.40 m
Draught (design)	6.10 m
Draught (scantling)	6.30 m

Tonnage (Approx)

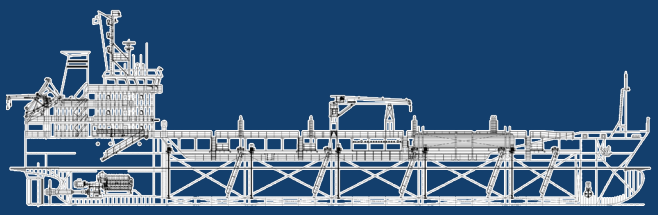
DWT (at design)	5 340 t
DWT (at scantling)	5 620 t
GRT (app)	3 890
NT (app)	2 320

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- AYSE S
- DENIZ S



5800 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as single screw, oil product chemical tanker for unrestricted navigation and service, being capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code) and oil products and withstands cargoes with specific gravity up to 1.54 t/m³. Cargo area is divided into ten (10) cargo tanks by means of oil-tight corrugated transverse bulkheads and a longitudinal bulkhead in CL. The vessel is also provided with slop tank located in cargo area. No structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit. The ship is fitted with cargo pump room installation and complete segregations.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

5800 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	6 585 m^3
Water Ballast	2 333 m^3
HFO	254 m^3
MDO	65 m^3
Fresh Water	80 m^3

Speed Consumption/Range

Design speed	13.5 knots
Consumption	10.0 t/day
Cruising range	7 000 nm

Machinery Main Components

Main Engine	1 x 2 720 kW
Propeller	1 x 3 900 mm dia CPP
Diesel Generator	3 x 370 kW
Em'cy Diesel Generator	1 x 100 kW

Complement

The accommodation area is to be arranged for 18 personnel. Fifteen (15) single berth cabins and three (3) suits with separate bedrooms are provided.

Lifesaving equipment is to be arranged for eighteen (18) persons.

Main Dimensions

L_{OA}	105.50 m
L_{BP}	99.35 m
B (molded)	16.80 m
D (molded)	7.40 m
Draught (design)	6.20 m
Draught (scantling)	6.30 m

Tonnage (Approx)

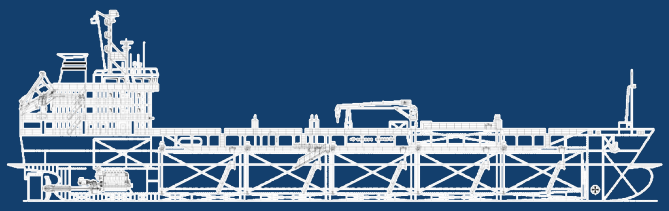
DWT (at design)	5 650 t
DWT (at scantling)	5 760 t
GRT (app)	4 000
NT (app)	1 820

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- ANGIMAR
- TRANS MARMARA
- FS SOLENE
- YM VENUS
- OZ-AY 4
- FS CLARA
- ST PAULINE
- MONTAUK
- YIGIT BEY
- LILAC
- YM EARTH
- NIYAZI-S
- OZDEN-S
- FETEKOZ
- ASC
- AZRA S
- ERAS
- KARDEMIR
- LS ANNE
- LS JAMIE
- FILYOZ



6400 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo and slop tanks, which is gravity up to 1.54 t/m³. No structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Enhanced Cargo Carriage Capacity

DELTAMARINE

6400 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	7 180 m^3
Water Ballast	2 360 m^3
HFO	320 m^3
MDO	60 m^3
Fresh Water	67 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	10.0 t/day
Cruising range	8 600 nm

Machinery Main Components

Main Engine	1 x 2 720 kW
Propeller	1 x 3 950 mm dia CPP
Diesel Generator	3 x 370 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for fourteen (14) crews and a pilot. Twelve (12) single berth cabins, two (2) suits with separate bedrooms and one (1) pilot room are provided. Lifesaving equipment is arranged for fifteen (15) people. Safety manning is for fourteen (14) people.

Main Dimensions

L_{OA}	109.00 m
L_{BP}	102.30 m
B (molded)	16.80 m
D (molded)	8.30 m
Draught (design)	6.20 m
Draught (scantling)	6.65 m

Tonnage (Approx)

DWT (at design)	5 870 t
DWT (at scantling)	6 400 t
GRT (app)	4 250
NT (app)	1 990

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- DEFNE S
- EKIN S
- GAZELA
- GUNGA
- TANA
- YM MERCURY
- YM MARS
- ATLANTIS ALHAMBRA
- ATLANTIS ANDAMAN
- ERRIA V

6700 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo and slop tanks, which is gravity up to 1.54 t/m³. No structural elements face into the cargo tanks. The ship is fitted with one deep-well pump for each tank, complete segregation and one vapour return line. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

6700 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	7 435 m³
Water Ballast	2 550 m³
HFO	350 m³
MDO	100 m³
Fresh Water	100 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	12.9 t/day
Cruising range	8 700 nm

Machinery Main Components

Main Engine	1 x 3 700 kW
Propeller	1 x 3 800 mm dia CPP
Diesel Generator	3 x 400 kW
Em'cy Diesel Generator	1 x 100 kW

Complement

The accommodation area is arranged for nineteen (19) personnel. Ten (10) single berth cabins, two (2) double berth and five (5) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	114.00 m
L_{BP}	106.00 m
B (molded)	16.90 m
D (molded)	8.40 m
Draught (design)	6.75 m
Draught (scantling)	6.80 m

Tonnage (Approx)

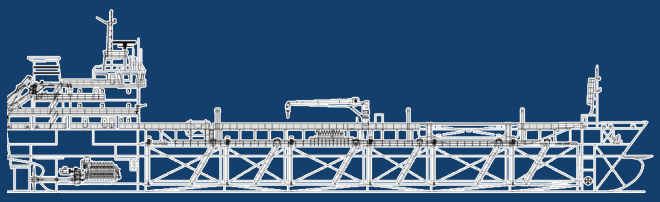
DWT (at design)	6 525 t
DWT (at scantling)	6 750 t
GRT (app)	4 335
NT (app)	2 060

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- MAR ROCIO
- C.P. 38
- ALFATEM
- AMAK SWAN
- STAR 1
- SILVER
- HEINRICH
- PANDA PG
- TESSA PG



7000 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils ith specific gravity up to 1.54 t/m³, in phenolic epoxy coated, smooth walled cargo tanks and slop tanks. Hull structure is analysed by FEM tools for safety and weight optimization and no structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

7000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	8 050 m^3
Water Ballast	2 800 m^3
HFO	420 m^3
MDO	90 m^3
Fresh Water	50 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	14.1 t/day
Cruising range	9 000 nm

Machinery Main Components

Main Engine	1 x 3 840 kW
Propeller	1 x 4 200 mm dia CP
Diesel Generator	3 x 400 kW
Em'cy Diesel Generator	1 x 100 kW

Complement

The accommodation area is arranged for fifteen (15) crews and a pilot. Eleven (11) single berth cabins, two (2) double berth cabins, two (2) suits with separate bedrooms and one (1) double berth owner/pilot room are provided. Lifesaving equipment is arranged for eighteen (18) and safety manning for fifteen (15) people.

Main Dimensions

L_{OA}	119.10 m
L_{BP}	111.60 m
B (molded)	16.90 m
D (molded)	8.40 m
Draught (design)	6.65 m
Draught (scantling)	6.75 m

Tonnage (Approx)

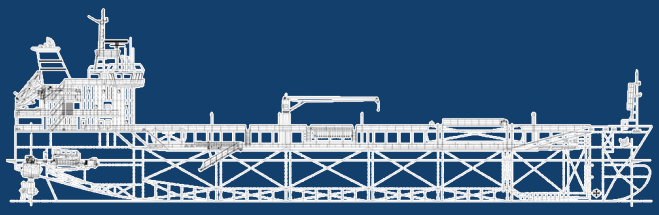
DWT (at design)	6 820 t
DWT (at scantling)	6 975 t
GRT (app)	4 200
NT (app)	2 100

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- MARINUS
- BRO GOTHIA
- AMARANT
- PAUL E
- MORINA
- GASCOGNE
- GUILDO
- AMANDA
- BRO GOLIATH
- COVADONGA
- IEVOLI FAST
- PURPLE GEM
- ACACIA
- TREFIN LEADER
- ALGOCANADA
- ALGONOVA
- MARDENIZ
- KARDENIZ
- KORMEL
- EMEK S



10 000 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as single decked, twin screw motor ship with double bottom and double skin with coated cargo tanks. Designed for unrestricted navigation and service, the ship is capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code), vegetable oils, oil products and withstands cargoes with specific gravity up to 1.54 t/m³. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. No steel structure facing into the cargo tanks. The hull form is designed for minimum resistance, overall design provides an environmentally friendly, cost-effective, reliable and flexible unit. One deep-well pump is installed for each tank while complete segregation for each cargo tank is provided with one vapour return line.

BENEFITS

Compliance with environmental requirements
Ability to carry various types of cargo
Redundant propulsion system with twin engines
Enhanced maneuverability
Easy maintenance and overhauling
Operational flexibility

DELTAMARINE

10 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	11 335 m³
Water Ballast	4 155 m³
HFO	630 m³
MDO	116 m³
Fresh Water	71 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	19.8 t/day
Cruising range	9 000 nm

Machinery Main Components

Main Engine	2 x 2 700 kW
Propeller	2 x 3 250 mm Azimuth
Diesel Generator	1 x 500 kW
Em'cy Diesel Generator	1 x 340 kW

Complement

The accommodation area is arranged for nineteen (19) personnel. 9 individual cabins with private facilities, 2 double cabin with private facilities and 4 cabins with bunk-bed are provided.

Main Dimensions

L_{OA}	117.00 m
L_{BP}	111.60 m
B (molded)	21.00 m
D (molded)	9.50 m
Draught (design)	6.50 m
Draught (scantling)	7.75 m

Tonnage (Approx)

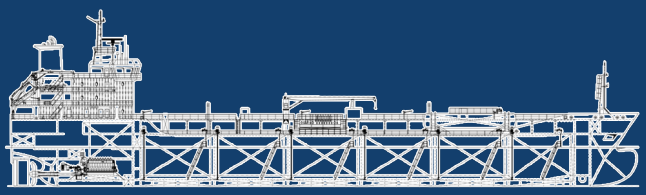
DWT (at design)	8 025 t
DWT (at scantling)	10 475 t
GRT (app)	6 860
NT (app)	3 420

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- ECO III
- CORK
- CT LONGFORD
- OVIT



11 000 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in twelve (12) epoxy painted cargo and two (2) pcs of slop tanks installed on maindeck with specific gravity up to 1.54 t/m³. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. No structural elements face into the cargo tanks. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

11 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	12 725 m³
Water Ballast	4 400 m³
HFO	580 m³
MDO	100 m³
Fresh Water	90 m³

Speed Consumption/Range

Design speed	15.0 knots
Consumption	16.0 t/day
Cruising range	11 000 nm

Machinery Main Components

Main Engine	1 x 4 320 kW
Propeller	1 x 4 800 mm dia CPPDiesel
Generator	3 x 600 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for eighteen (18) crews. Eleven (11) single berth cabins, five (5) double berth and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	129.50 m
L_{BP}	122.70 m
B (molded)	19.80 m
D (molded)	10.40 m
Draught (design)	7.85 m
Draught (scantling)	8.15 m

Tonnage (Approx)

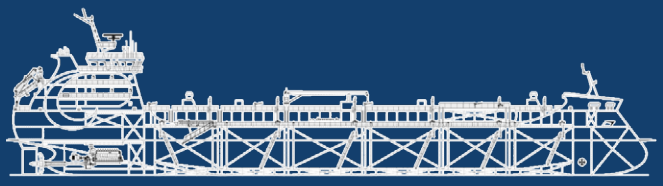
DWT (at design)	10 600 t
DWT (at scantling)	11 300 t
GRT (app)	7 315
NT (app)	3 590

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- TARNBRIS
- ATLANTIK MIRACLE
- SAPPHIRE T
- SAKARYA
- DUMLUPINAR
- VARKAN AKDENIZ



12 000 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as chemical/oil product tanker being capable to carry a large range of liquid IMO II & III type cargoes (acc. to IBC Code), petrochemical solvents, vegetable oils, with specific gravity up to 1.54 t/m³, in twelve (12) pcs of phenolic epoxy coated, smooth walled cargo tanks and two (2) pcs of slop tanks installed on deck. No structural elements face into the cargo tanks. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Easy maintenance and overhauling
Efficient propulsion system

DELTAMARINE

12 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	14 200 m^3
Water Ballast	4 800 m^3
HFO	1 000 m^3
MDO	150 m^3
Fresh Water	100 m^3

Speed Consumption/Range

Design speed	18.0 knots
Consumption	32.0 t/day
Cruising range	12 500 nm

Machinery Main Components

Main Engine	2 x 4 250 kW
Propeller	2 x 4 800 mm CPP
Diesel Generator	3 x 600 kW
Em'cy Diesel Generator	1 x 125 kW

Complement

The accommodation area is arranged for seventeen (17) personnel and one pilot/ owner. Sixteen (16) single berth cabins, two (2) suits with separate bedrooms are provided.A hospital is arranged.

Lifesaving equipment is provided for twenty (20) people.Safety manning is for seventeen (17) people.

Main Dimensions

L_{OA}	144.20 m
L_{BP}	138.65 m
B (molded)	20.00 m
D (molded)	11.00 m
Draught (design)	8.00 m
Draught (scantling)	8.20 m

Tonnage (Approx)

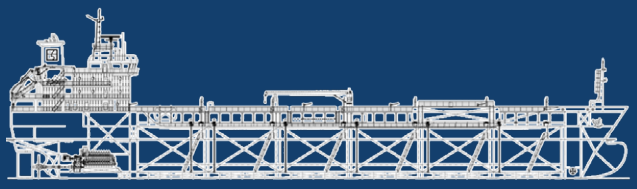
DWT (at design)	12 000 t
DWT (at scantling)	12 500 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



12 500 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as a single screw, oil product and chemical tanker for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II & III type cargoes (acc.to IBC Code), petrochemical solvents, clean, dirty products, lube oils, mineral, vegetable oils with specific gravity up to 1,54 t/m³ in twelve pieces of epoxy coated cargo tanks and two cylindirical slop tanks on deck. Hull structure is analysed by FEM tools for safety and weight optimization. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

12 500 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	14 730 m^3
Water Ballast	4 870 m^3
HFO	630 m^3
MDO	90 m^3
Fresh Water	100 m^3

Speed Consumption/Range

Design speed	14.8 knots
Consumption	16.6 t/day
Cruising range	10 400 nm

Machinery Main Components

Main Engine	1 x 4 500 kW
Propeller	1 x 4 750 mm dia CPP
Diesel Generator	3 x 750 kW
Em'cy Diesel Generator	1 x 165 kW

Complement

The accommodation area is arranged for eighteen (18) crews. Sixteen (16) single berth cabins and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	135.60 m
L_{BP}	127.65 m
B (molded)	20.60 m
D (molded)	11.00 m
Draught (design)	8.20 m
Draught (scantling)	8.50 m

Tonnage (Approx)

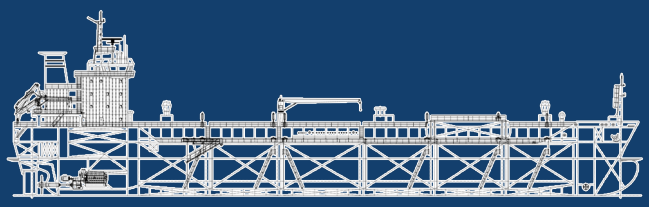
DWT (at design)	12 430 t
DWT (at scantling)	13 215 t
GRT	8 390
NT	4 175

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- MIRANDA
- ATLANTIK GLORY
- TBN (SELAH NB57)



13 500 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strenghtened, single decked, twin screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo and slop tanks, with specific gravity up to 1.54 t/m³. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. No structural elements face into the cargo tanks. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Redundant propulsion system with twin engines

DELTAMARINE

13 500 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	15 266 m³
Water Ballast	5 427 m³
HFO	769 m³
MDO	83 m³
Fresh Water	360 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	20.0 t/day
Cruising range	14 000 nm

Machinery Main Components

Main Engine	2 x 2 720 kW
Propeller	2 x 3 900 mm dia CPP
Diesel Generator	2 x 400 kW
Em'cy Diesel Generator	1 x 180 kW

Complement

The accommodation area is arranged for nineteen (19) crews and a pilot. Eighteen (18) single berth cabins and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	132.60 m
L_{BP}	125.60 m
B (molded)	21.00 m
D (molded)	11.00 m
Draught (design)	7.90 m
Draught (scantling)	8.40 m

Tonnage (Approx)

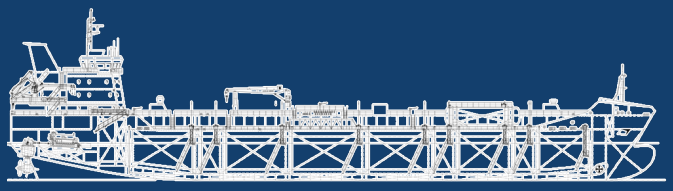
DWT (at design)	12 500 t
DWT (at scantling)	13 500 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ TBN (YARDIMCI NB68)



15 000 DWT
OIL PRODUCT & CHEMICAL TANKER

The ice-classed and single decked ship is equipped with innovative azimuth propulsion system with two units. The ship is designed for unrestricted navigation and service, being capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code), vegetable oils, oil products and withstands cargoes with specific gravity up to 1.90 t/m^3. The hull structure is strengthened with double bottom and double skin. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. No structural elements face into the cargo tanks. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit. One deep-well pump is installed for each tank while complete segregation for each cargo tank is provided with one vapour return line.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Innovative propulsion system
Easy maintenance and overhauling
State-of-the-art automation system

DELTAMARINE

15 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	18 300 m^3
Water Ballast	6 265 m^3
HFO	750 m^3
MDO	35 m^3
Fresh Water	100 m^3

Speed Consumption/Range

Design speed	14.5 knots
Consumption	26.4 t/day
Cruising range	9 100 nm

Machinery Main Components

Main Engine	2 x 3 600 kW
Propeller	2 x 3 400 mm Rudder Prop.
Diesel Generator	1 x 432 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for nineteen (19) crews and a pilot, Eleven (11) single berth cabins, six (6) double berth and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is aranged for twenty (20) people.

Main Dimensions

L_{OA}	148.00 m
L_{BP}	139.50 m
B (molded)	21.60 m
D (molded)	11.30 m
Draught (design)	8.50 m
Draught (scantling)	8.60 m

Tonnage

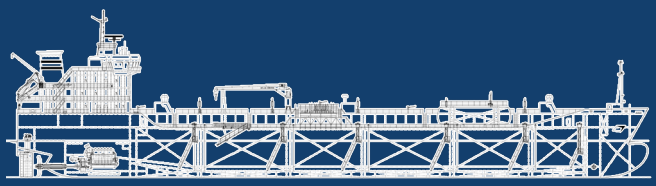
DWT (at design)	15 300 t
DWT (at scantling)	15 600 t
GRT	10 800
NT	5 200

SCOPE OF SERVICES

- Conceptual Design
- Contract Design
- Production Engineering
- Post Production Services
- DeltaLoad Ship Loading Software
- Advanced Engineering Analyses
- Project & Document Management
- Supervision Services
- Procurement Consultancy
- Feasibility Analyses

REFERENCES

- FIONIA SWAN
- LS JACOBA
- PULI II



16 000 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed ice-strenghtened, single decked, single screw motor ship with double bottom and double skin with coated cargo tanks. The ship is designed for unrestricted navigation and service, being capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code), vegetable oils, oil products and withstands cargoes with specific gravity up to 1.54 t/m³. Cargo area is divided into twelve (12) cargo tanks. The vessel is also provided with two (2) independent deck slop tanks located on maindeck. The hull structure is strengthened with double bottom and double skin. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. No structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Easy maintenance and overhauling

DELTAMARINE

16 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	18 438 m³
Water Ballast	6 484 m³
HFO	724 m³
MDO	114 m³
Fresh Water	118 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	19.2 t/day
Cruising range	11 600 nm

Machinery Main Components

Main Engine	1 x 5 400 kW
Propeller	1 x 4 800 mm CPP
Diesel Generator	3 x 590 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for nineteen (19) crews and a pilot. Seventeen (17) single berth cabins and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is aranged for twenty (20) people.

Main Dimensions

L_{OA}	148.00 m
L_{BP}	139.50 m
B (molded)	21.60 m
D (molded)	11.30 m
Draught (design)	8.50 m
Draught (scantling)	8.60 m

Tonnage

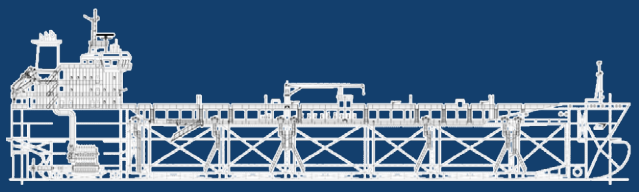
DWT (at design)	15 710 t
DWT (at scantling)	16 000 t
GRT	10 900
NT	5 260

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- YM JUPITER
- YM SATURN



20 000 DWT
OIL PRODUCT & CHEMICAL TANKER

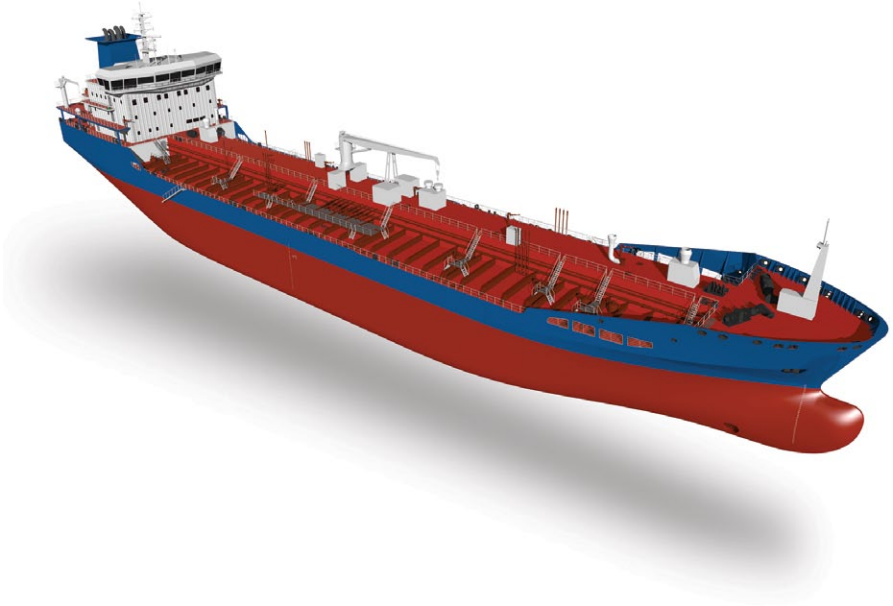
The vessel is designed as single screw, oil product chemical tanker for unrestricted navigation and service, being capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code) and oil products and withstands cargoes with specific gravity up to 1.54 t/m³ at 66 C. Ballast pipe tunnel is arranged at centre of ballast tanks. The hull form is designed for minimum resistance and overall design provides an environmentally friendly, cost-effective, reliable and flexible unit. One deep-well pump and complete segregation for each cargo tank and one vapour return line are provided.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas

DELTAMARINE

20 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS



Capacities

Cargo	22 150 m^3
Water Ballast	8 250 m^3
HFO	900 m^3
MDO	180 m^3
Fresh Water	140 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	20.8 t/day
Cruising range	12 500 nm

Machinery Main Components

Main Engine	1 x 5 920 kW
Propeller	1 x 4 250 mm dia CPP
Diesel Generator	3 x 750 kW
Em'cy Diesel Generator	1 x 165 kW

Complement

The accommodation area is arranged for eighteen (18) personnel. Eleven (11) single berth cabins, six (6) double berth and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is aranged for nineteen (19) people.

Main Dimensions

L_{OA}	149.95 m
L_{BP}	142.80 m
B (molded)	23.20 m
D (molded)	13.05 m
Draught (design)	9.20 m
Draught (scantling)	9.95 m

Tonnage

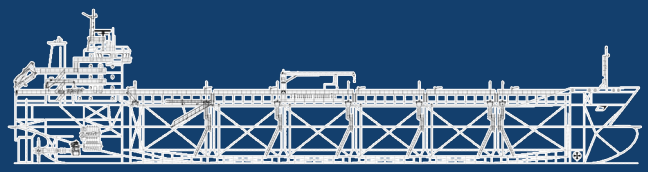
DWT (at design)	17 800 t
DWT (at scantling)	20 000 t
GRT	13 000
NT	6 350

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- LETIZIA EFFE
- MALMO
- MADEIRO
- ECE NUR K
- GUNES K
- ICDAS-09
- ICDAS-11
- SOLANDO
- SOLERO
- TBN (YARDIMCI NB60)



29 000 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as twin screw, oil product and chemical tanker for unrestricted navigation and service, being capable to carry a large range of liquid IMO II&III type cargoes (acc. to IBC Code), petrochemical solvents, clean & dirty oil products, lubrication oils, mineral and vegetable oils, etc. and withstands cargoes with specific gravity up to 1.025 t/m^3. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Stainless steel cargo tanks with high mechanical properties

DELTAMARINE

29 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	32 000 m³
Water Ballast	12 500 m³
HFO	750 m³
MDO	90 m³
Fresh Water	125 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	21.4 t/day
Cruising range	10 000 nm

Machinery Main Components

Main Engine	2 x 2 925 kW
Propeller	2 x 4 200 mm dia CPP
Diesel Generator	3 x 750 kW
Em'cy Diesel Generator	1 x 200 kW

Complement

The accommodation area is arranged for twenty (20) crews and one pilot/owner. Sixteen (16) single berth cabins, four (4) suits with separate bedrooms are provided together iwth a Suez Room with bunks for six (6) people.

Lifesaving equipment is arranged for twenty five (25) people.

Main Dimensions

L_{OA}	162.50 m
L_{BP}	151.60 m
B (molded)	27.50 m
D (molded)	15.00 m
Draught (design)	9.50 m
Draught (scantling)	10.80 m

Tonnage

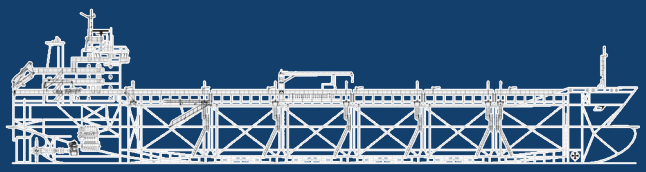
DWT (at design)	24 000 t
DWT (at scantling)	29 000 t
GRT	17 300

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



39 000 DWT

OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as a double screw, stainless steel cargo tanks, oil product & chemical tanker for unrestricted navigation and service and being capable to carry specially petrochemical solvents, clean, dirty products, IMO II chemical cargoes (acc. to IBC code), lube oils, mineral, and vegetable oils with specific gravity up to 1.54 t/m³ at 66°C. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. CFD Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
Ability to sail in iced sea areas
Stainless steel cargo tanks with high mechanical properties

DELTAMARINE

39 000 DWT OILPRODUCT & CHEMICAL TANKER SPECS

Capacities

Cargo	40 500 m^3
Water Ballast	14 300 m^3
HFO	1 100 m^3
MDO	180 m^3
Fresh Water	300 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	18.4 t/day
Cruising range	18 000 nm

Machinery Main Components

Main Engine	2 x 3 200 kW
Propeller	2 x 6 400 mm dia CPP
Diesel Generator	2 x 800 kW
Em'cy Diesel Generator	1 x 200 kW

Complement

Complement is for 21 people. The accommodation area is arranged for nineteen (19) people, pilot and Suez Crew.

Main Dimensions

L_{OA}	179.00 m
L_{BP}	167.00 m
B (molded)	30.40 m
D (molded)	15.00 m
Draught (design)	9.50 m
Draught (scantling)	10.80 m

Tonnage

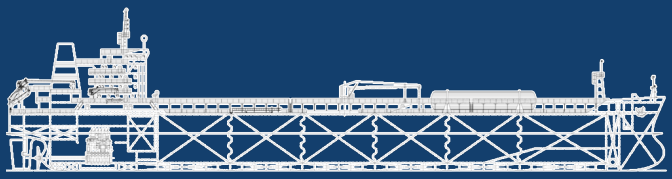
DWT (at design)	28 000 t
DWT (at scantling)	39 000 t
GRT	21 200
NT	11 850

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



40 000 DWT
OIL PRODUCT TANKER

The vessel is designed as single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service. She is capable to carry a large range of petrolium liquid cargoes, crude oil, clean/dirty products in cargo and slop tanks, with specific gravity up to 1.025 t/m³. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. No structural elements face into the cargo tanks except deck. Overall design provides an environment-friendly; cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Operational flexibility

DELTAMARINE

40 000 DWT OILPRODUCT TANKER

SPECS

Capacities

Cargo	40 792 m³
Water Ballast	18 636 m³
HFO	1 161 m³
MDO	129 m³
Fresh Water	223 m³

Speed Consumption/Range

Design speed	14.5 knots
Consumption	26.7 t/day
Cruising range	13 000 nm

Machinery Main Components

Main Engine	1 x 7 650 kW
Propeller	Keyless FPP
Diesel Generator	3 x 660 kW
Em'cy Diesel Generator	1 x 300 kW

Complement

The accommodation area is arranged for twenty four (24) crews and a pilot. Twenty four (24) single berth cabins, two (2) double berth and five (5) suits with separate bedrooms are provided.

Lifesaving equipment is aranged for twenty four (24) people.

Main Dimensions

L_{OA}	176.00 m
L_{BP}	169.00 m
B (molded)	32.00 m
D (molded)	15.10 m
Draught (design)	10.00 m
Draught (scantling)	11.20 m

Tonnage

DWT (at design)	34 590 t
DWT (at scantling)	40 111 t
GRT	22 950
NT	11 740

SCOPE OF SERVICES

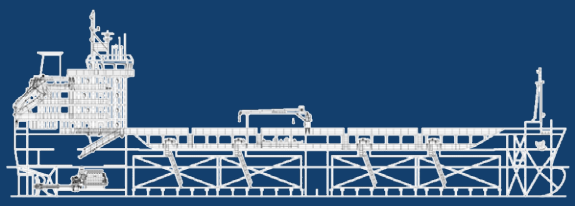
- [ ] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [x] Supervision Services
- [x] Procurement Consultancy
- [x] Feasibility Analyses

REFERENCES

⚓ H.İ. KAPTANOĞLU

ASPHALT TANKERS

DELTAMARINE



3500 CBM
ASPHALT TANKER

The vessel is designed as mainly single screw, double side, single bottom in the cargo area, two independent tank group, into cargo holds separated by midship pump room She is capable to carry bitumen at 180°C with gravity up to 1.04 t/m³ , oil products and IMO II type cargoes at 60°C with gravity up to 1.04 t/m³. Two independent cargo tanks each divided into four tanks by corrugated bulkheads are installed on single bottom webs via supporting pads which have sliding and insulating ability. Additionally, tanks are to be supported by anti-rolling, anti-flooding and anti-pitching keys to absorb list, trim, acceleration and buoyancy loads. Two different compatible cargoes can be handled simultaneously. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo
No thermal stress on hull structure

DELTAMARINE

3500 CBM ASPHALT TANKER

SPECS

Capacities

Cargo	3 500 m^3
Water Ballast	1 765 m^3
HFO	197 m^3
MDO	60 m^3
Fresh Water	56 m^3

Speed Consumption/Range

Design speed	13.0 knots
Consumption	7.0 t/day
Cruising range	7 000 nm

Machinery Main Components

Main Engine	1 x 2 040 kW
Propeller	1 x 3 400 mm FPP
Diesel Generator	3 x 300 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for eighteen (18) crews (including pilot).

Safety manning is eighteen (18) people.

Main Dimensions

L_{OA}	97.70 m
L_{BP}	93.00 m
B (molded)	15.50 m
D (molded)	8.20 m
Draught (design)	5.10 m
Draught (scantling)	5.90 m

Tonnage

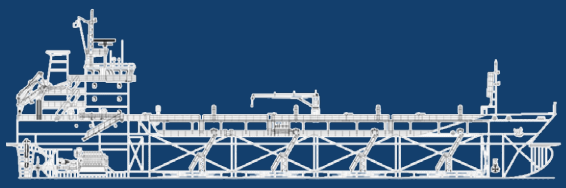
DWT (at design)	3 500 t
DWT (at scantling)	4 500 t
GRT (app)	3 570

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



6000 CBM
ASPHALT TANKER

The vessel is designed as a single screw, asphalt and oil product tanker for unrestricted navigation and service. She is capable to carry asphalt at 170°C, oil products and IMO II type cargoes with gravity up to 1.40 t/m³ in eight pieces of cargo tanks located in the cargo area and semi-integrated to hull structure. Hull structure is analysed by FEM tools for safety and weight optimization. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit. Cargo pump room installation, four segregations, one vapour return line are among the particulars of the ship.

BENEFITS

Low fuel consumption Compliance with environmental requirements Low operating cost Low initial investment cost Ability to carry various types of cargo No thermal stress on hull structure Maximized cargo volume with semi-integrated tanks

DELTAMARINE

6000 CBM ASPHALT TANKER SPECS

Capacities

Cargo	6 050 m^3
Water Ballast	2 750 m^3
HFO	400 m^3
MDO	75 m^3
Fresh Water	70 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	12.3 t/day
Cruising range	8 000 nm

Machinery Main Components

Main Engine	1 x 3 360 kW
Propeller	1 x 4 200 mm FPP
Diesel Generator	3 x 300 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for sixteen (16) crews, fourteen (14) single berth cabins, two (2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	105.50 m
L_{BP}	98.50 m
B (molded)	16.80 m
D (molded)	8.20 m
Draught (design)	6.50 m
Draught (scantling)	6.50 m

Tonnage

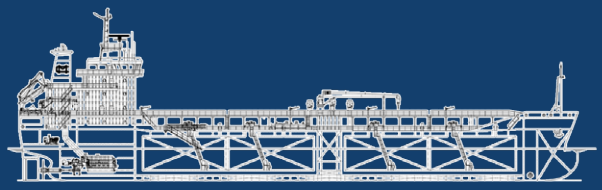
DWT (at design)	5 900 t
DWT (at scantling)	5 900 t
GRT (app)	3 920
NT (app)	1 670

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- MAR VICTORIA
- MAR PAULA



6750 CBM
ASPHALT TANKER

The vessel is designed as a single screw, asphalt and oil product tanker for unrestricted navigation and service. She is capable to carry asphalt at 250 C, oil products and coal tar, coal tar pitch(molten), coal tar naphta solvent, creosote cargoes with gravity up to 1.20 t/m³ in two pieces of independent cargo tanks located in the cargo area independently from hull structure. Hull structure is analysed by FEM tools for safety and weight optimization. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
No thermal stress on hull structure
Low maintenance period

DELTAMARINE

6750 CBM ASPHALT TANKER

SPECS

Capacities

Cargo	6 750 m³
Water Ballast	3 630m³
HFO	375 m³
MDO	90 m³
Fresh Water	235 m³

Speed Consumption/Range

Design speed	12.0 knots
Consumption	11.3 t/day
Cruising range	8 000 nm

Machinery Main Components

Main Engine	1 x 3 060 kW
Propeller	1 x 3 800 mm FPP
Diesel Generator	3 x 580 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for eighteen (18) crews and a pilot. Eleven (11) single berth cabins, two (2) double berth cabins, two (2) suits with separate bedrooms and one (1) double berth owner/ pilot room are provided.

Lifesaving equipment is arranged for nineteen (19) people.

Main Dimensions

L_{OA}	115.00 m
L_{BP}	109.40 m
B (molded)	19.00 m
D (molded)	10.25 m
Draught (design)	6.80 m
Draught (scantling)	7.50 m

Tonnage

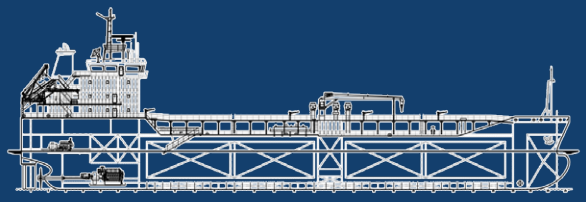
DWT (at design)	7 160 t
DWT (at scantling)	8 475 t
GRT (app)	6 025
NT (app)	1 810

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ BLACK SHARK



6825 CBM
ASPHALT TANKER

The vessel is designed as a single screw, asphalt and oil product tanker for unrestricted navigation and service. She is capable to carry asphalt at 250 C, oil products and coal tar, coal tar pitch(molten), coal tar naphta solvent, creosote cargoes with gravity up to 1.20 t/m³ in two pieces of independent cargo tanks located in the cargo area independently from hull structure. Cargo handling system is designed for four segregations based on double valve segregration. The propulsion plant is twin in-single out system so that main engines connected to the one the reduction gear and reduction gear is connected to the intermediate shaft. Hull structure is analysed by FEM tools for safety and weight optimization. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
No thermal stress on hull structure

DELTAMARINE

6825 CBM ASPHALT TANKER
SPECS

Capacities

Cargo	6 820 m³
Water Ballast	3 675 m³
HFO	500 m³
MDO	100 m³
Fresh Water	130 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	5.0 t/day
Cruising range	9 000 nm

Machinery Main Components

Main Engine	2 x 2 040 kW
Propeller	1 x 4 000 mm FPP
Diesel Generator	2 x 600 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for eighteen (18) crews and a pilot. Eleven (11) single berth cabins, two (2) double berth cabins, two (2) suits with separate bedrooms and one (1) double berth owner/pilot room are provided.Lifesaving equipment is arranged for nineteen (19) people.

Main Dimensions

L_{OA}	110.00 m
L_{BP}	105.70 m
B (molded)	19.50 m
D (molded)	10.25 m
Draught (design)	6.80 m
Draught (scantling)	7.60 m

Tonnage

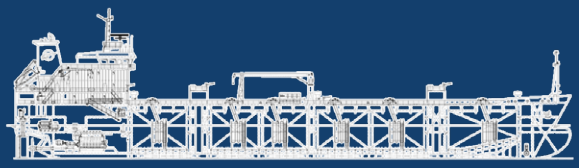
DWT (at design)	6 870 t
DWT (at scantling)	8 350 t
GRT (app)	6 388

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ CASTILLO DE PAMBRE



11 000 CBM
ASPHALT TANKER

The vessel is designed as a single screw, asphalt and oil product tanker for unrestricted navigation and service. She is capable to carry asphalt at 250 C, oil products and molten sulphur at 150 C with gravity up to 1.80 t/m³ in four (4) pcs cargo tanks located in the cargo area independently from hull structure. Cargo tanks are carried on special supporting structure and the movements are restricted by special keys. Single decked motor ship has triple bottom and triple skin with uncoated cargo tanks. Structural elements face into the cargo tanks and complete hull structure is analysed by FEM tools for safety and weight optimization. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
No thermal stress on hull structure
Low maintenance period
Extra safety with triple hull structure
Cargo tanks dedicated for sulphur & bitumen

DELTAMARINE

11 000 CBM ASPHALT TANKER SPECS

Capacities

Cargo	11 090 m³
Water Ballast	4 725 m³
HFO	800 m³
MDO	90 m³
Fresh Water	120 m³

Speed Consumption/Range

Design speed	14.5 knots
Consumption	19.3 t/day
Cruising range	12 500 nm

Machinery Main Components

Main Engine	1 x 5 400 kW
Propeller	1 x 4 400 mm FPP
Diesel Generator	3 x 750 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for twenty (20) crews. Eleven (11) single berth cabins, three (3) double berth cabins, three (3) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twenty (20) people.

Main Dimensions

L_{OA}	129.00 m
L_{BP}	123.90 m
B (molded)	22.00 m
D (molded)	12.50 m
Draught (design)	7.80 m
Draught (scantling)	8.20 m

Tonnage

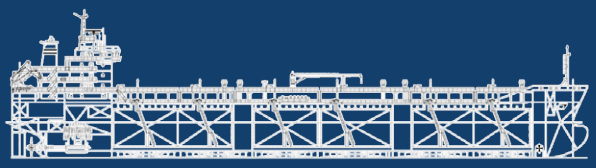
DWT (at design)	11 450 t
DWT (at scantling)	12 500 t
GRT (app)	9 416
NT (app)	2 824

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [x] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ ST CHARLOTTE



18000 CBM
ASPHALT TANKER

The vessel is designed as single screw, asphalt/oil tanker for unrestricted navigation, being capable to carry oil products (FP above 60 C), asphalt/ bitumen with gravity up to 1.30 t/m³ at 250 C in four pcs cargo tank blocks independent from hull structure. Cargo tanks are carried on special supporting structure and the movements are restricted by special keys. Cargo area arrangement includes a continuous main deck, four independent cargo tank blocks, double bottom and side tanks for ballast and cargo pump rooms. Cargo operations flexibility is enchanced by loading/unloading of three different substances at full segregation and shore connection for all tanks. Structural elements face into the cargo tanks and complete hull structure is analysed by FEM tools for safety and weight optimization. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Special attention is paid on design for minimizing noise and vibration levels onboard to maximize comfort of crew. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
No thermal stress on hull structure
Low maintenance period
Extra safety with triple hull structure

DELTAMARINE

18 000 CBM ASPHALT TANKER

SPECS

Capacities

Cargo	18 000 m^3
Water Ballast	9 900m^3
HFO	1 000 m^3
MDO	130 m^3
Fresh Water	150 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	12.2 t/day
Cruising range	15 500 nm

Machinery Main Components

Main Engine	1 x 5 640 kW
Propeller	1 x 4 500 mm CPP
Diesel Generator	3 x 1200 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for 19 cabin with private facilities including pilot cabin. Accommodation includes hospital.

Lifesaving equipment is arranged for 20 people.

Main Dimensions

L_{OA}	155.00 m
L_{BP}	149.00 m
B (molded)	25.00 m
D (molded)	14.60 m
Draught (design)	9.20 m
Draught (scantling)	9.50 m

Tonnage

DWT (at design)	18 500 t
DWT (at scantling)	19 995 t
GRT (app)	15 500
NT (app)	4 650

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

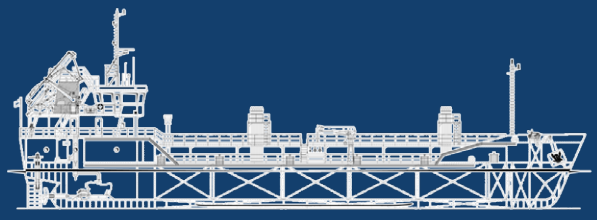
REFERENCES

- T.ESRA
- T.AYLİN

BUNKER TANKERS

www.deltamarine.com.tr

DELTAMARINE



1100 DWT
BUNKER TANKER

The vessel is designed as single screw, IMO III chemical and oil product / bunker tanker for being capable to carry a large range of liquid IMO III type cargoes and clean/dirty products, lube oil, mineral and vegetable oils, with specific gravity up to 0.98 t/m³, in phenolic epoxy coated cargo / slop tanks. Five (5) pairs of cargo tanks and one integrated slop tank divided with corrugated longitudinal bulkheads are provided with double bottom and single side in way of cargo tanks. No structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Easy maintenance and overhauling

DELTAMARINE

1100 DWT BUNKER TANKER SPECS

Capacities

Cargo	1 200 m^3
Water Ballast	405 m^3
MDO	47 m^3
Fresh Water	17 m^3

Speed Consumption/Range

Design speed	11.0 knots
Consumption	2.7 t/day
Cruising range	4 500 nm

Machinery Main Components

Main Engine	1 x 662 kW
Propeller	1 x 2150 mm dia FPP
Diesel Generator	3 x 150 kW

Complement

The accommodation area is arranged for nine (9) crews. Three (3) single berth and three (3) double-decker cabins with seperate private facilities are provided.

Lifesaving equipment is arranged for twelve (12) people.

Main Dimensions

L_{OA}	57.80 m
L_{BP}	54.40 m
B (molded)	9.60 m
D (molded)	4.50 m
Draught (design)	3.87 m

Tonnage

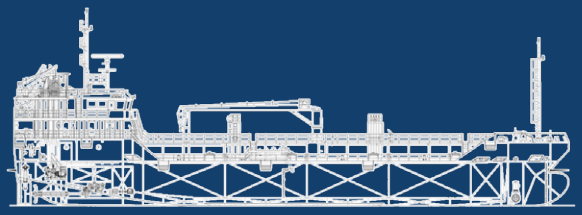
DWT (at design)	1 095 t
DWT (at scantling)	1 115 t
GRT (app)	587
NT	313

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- OLJAREN
- DADIVA



1600 DWT
BUNKER TANKER

The vessel is designed as twin screw, IMO III chemical and oil product/bunkering tanker for carrying a large range of liquid IMO III type cargoes and clean/dirty products, lube oil, mineral and vegetable oils, with specific gravity up to 1.25 t/m³, in phenolic epoxy coated cargo/slop tanks. Four (4) pairs of cargo tanks and one slop tank divided with corrugated longitudinal bulkheads are provided with double bottom and double sides in way of cargo tanks. No structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Easy maintenance and overhauling

DELTAMARINE

1600 DWT BUNKER TANKER
SPECS

Capacities

Cargo	1 595 m^3
Water Ballast	750 m^3
MDO	54 m^3
Fresh Water	30 m^3

Speed Consumption/Range

Design speed	11.5 knots
Consumption	3.5 t/day
Cruising range	3 000 nm

Machinery Main Components

Main Engine	2 x 485 kW
Propeller	2 x 2000 mm dia FPP
Diesel Generator	3 x 500 kW
Em'cy Diesel Generator	1 x 320 kW

Complement

The accommodation area is arranged for eight (8) crews. Eight (8) single berth cabins with single private facilities are provided.

Lifesaving equipment is arranged for twelve (12) people.

Main Dimensions

L_{OA}	65.00 m
L_{BP}	61.57 m
B (molded)	11.50 m
D (molded)	5.00 m
Draught (design)	4.20 m
Draught (scantling)	4.20 m

Tonnage

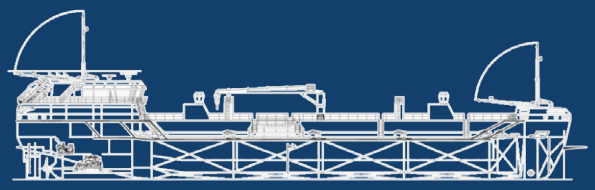
DWT (at design)	1 600 t
DWT (at scantling)	1 600 t
GRT	993

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



3600 DWT
BUNKER TANKER

The specialised single decked, twin rudder propeller vessel is designed for bunkering and ship to ship operations, to carry petroleum products with flash point above 60°C, up to 3 (three) grades of specific cargo with the gravity no more than 1.025 t/m³ at 75°C. Four (4) pair of cargo tanks and one (1) slop smooth-walled tank, divided with vertical transverse and horizontal corrugated longitudinal bulkheads are provided with double bottom, and double sides in way of cargo tanks. No steel structure facing into the cargo tanks except main deck. Electric motor driven, frequency controlled, twin screw, capacities 2x300 m³/h 110 mlc and 1x100 m³/h 110 mlc (fresh water base) cargo pumps to be installed. Two main pumps able to run simultaneously at full capacity. Discharge time not more than 7 hours.

BENEFITS

Low fuel consumption
Sensitivity and coherence with the environment
Low operating cost
Easy maintenance and overhauling
Low initial investment cost
Ability to sail in iced sea areas

DELTAMARINE

3600 DWT BUNKER TANKER
SPECS

Capacities

LNG Cargo	3 700 m^3
Water Ballast	1 500 m^3
HFO	200 m^3
Fresh Water	60 m^3

Speed Consumption/Range

Design speed	12.5 knots
Consumption	9.9 t/day
Cruising range	4 500 nm

Machinery Main Components

Main Engine	2 x 1 200 kW
Propeller	2 x 3000 mm dia FPP
Diesel Generator	3 x 230 kW
Em'cy Diesel Generator	1 x 125 kW

Complement

The accommodation area is arranged for eleven (11) personnel. Nine (9) single berth cabins and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for twelve (12) people. Safe manning is 11 people.

Main Dimensions

L_{OA}	85.50 m
L_{BP}	81.70 m
B (molded)	16.10 m
Draught (design)	5.00 m

Tonnage

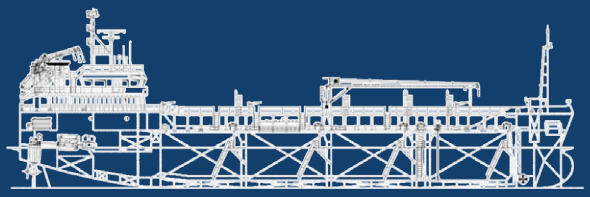
DWT (at design)	3 600 t
GRT	2 500 t
NT	980 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [x] Feasibility Analyses

REFERENCES

⚓ No References Yet



3900 DWT
BUNKER TANKER

The specialised single decked, twin rudder propeller vessel is designed for bunkering and ship to ship operations, to carry petroleum products with flash point above 60 C, up to 5 (five) grades of specific cargo with the gravity no more than 1.03 t/m³ at 75 C. Four (4) pair of cargo tanks and one (1) slop smooth-walled tank, divided with vertical transverse and horizontal corrugated longitudinal bulkheads are provided with double bottom, and double sides in way of cargo tanks. No steel structure facing into the cargo tanks. One deep-well pump is fitted for each MDO tank, cargo pump room arranged for pumps serving for HFO tanks and one vapour return line is provided.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Easy maintenance and overhauling
Ability to sail in iced sea areas

DELTAMARINE

3900 DWT BUNKER TANKER
SPECS

Capacities

LNG Cargo	4 260 m^3
Water Ballast	1 820 m^3
MDO	140 m^3
LO	9 m^3
Fresh Water	130 m^3

Speed Consumption/Range

Design speed	11.0 knots
Consumption	8.0 t/day
Cruising range	3 200 nm

Machinery Main Components

Main Engine	2 x 1 080 kW
Propeller	2 x 2000 mm dia CPP
Diesel Generator	3 x 500 kW
Em'cy Diesel Generator	1 x 320 kW

Complement

The accommodation area is arranged for ten (10) crews. Seven (7) single berth cabins and three (3) double berth are provided.

Lifesaving equipment is arranged for twelve (12) people.

Main Dimensions

L_{OA}	79.90 m
L_{BP}	76.10 m
B (molded)	15.00 m
D (molded)	8.00 m
Draught (design)	5.90 m
Draught (scantling)	6.00 m

Tonnage

DWT (at design)	3 910 t
DWT (at scantling	4 015 t
GRT	2 747 t
NT	1 180 t

SCOPE OF SERVICES

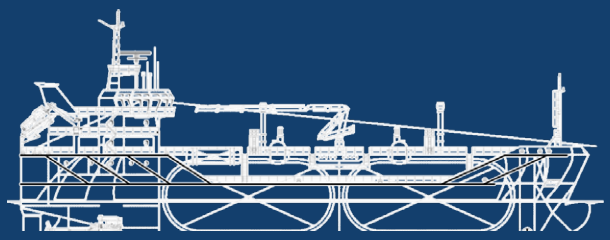
- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- FS CAMILLE
- AWANUIA

LIQUIFIED GAS CARRIERS

DELTAMARINE



2500 DWT

LNG&OIL BUNKER TANKER

The vessels is designed as a twin screw, double hull LNG bunkering vessel, powered by dual-fuel engines for worldwide trade, however with special emphasis on the emerging north European LNG bunker market. Two (2) insulated independent Type C LNG cargo tanks are provided with a total capacity of 2,800 cbm. Each tank has one (1) frequency controlled cryogenic deep well pump securing efficient cargo handling with high capacity. The cargo system is designed with multi client, multi customer capabilities and continuous measuring of quality and quantity during loading and discharge/delivery to customers. The vessel can also deliver MGO/Diesel to customers. Operational flexibility, environmental concern and awareness and with possibilities to adapt to future regulations are the basic objectives of the design, which has been developed based on an in-depth and thorough understanding of the bunker market and the development of the market for LNG as marine fuel.

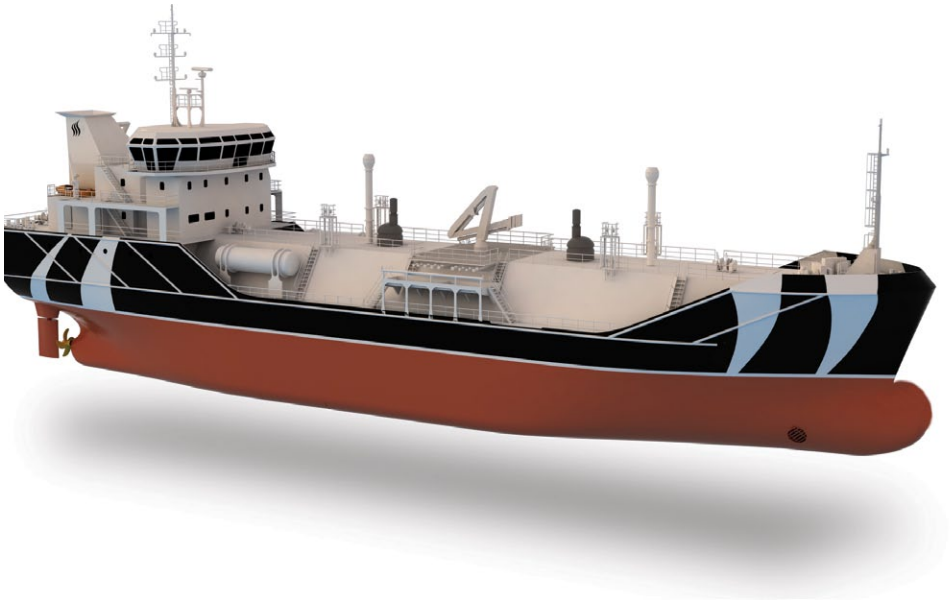
BENEFITS

Efficiency in fuel consumption & EEDI
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to sail in iced sea areas
Easy maintenance and overhauling
Operational flexibility
Consideration of future regulations

DELTAMARINE

2500 DWT LNG & OIL BUNKER TANKER

SPECS



Capacities

LNG Cargo	2 800 m³
Liquid Cargo	890 m³
Water Ballast	1 600 m³
DO	200 m³
Fresh Water	70 m³

Speed Consumption/Range

Design speed	13.0 knots
Consumption (85% MCR, 5% tolerance)	
LNG Mode	7.5 t/day LNG+0.17 t/day DIESEL
Liquid Fuel Mode	8.8 t/day DIESEL

Machinery Main Components

Main Engine	2 x 1 056 kW
Propeller	2 x 3 000 mm dia CPP
Diesel Generator	1 x TBA kW
Em'cy Diesel Generator	1 x 99 kW
LNG	2 x 300 m³/h @ 8 bar
MDO	2 x 150 m³/h @10 bar

Complement

The accommodation area is arranged for fourteen (14) crew and pilot/owner. Twelve (12) pieces of single berth cabins, two (2) pieces of suits with separate bedrooms and one cabin for pilot/owner are provided.

Lifesaving equipment is arranged for sixteen (16) people.

Main Dimensions

L_{OA}	79.30 m
L_{BP}	74.50 m
B (molded)	16.00 m
D (molded)	8.30 m
Draught (design)	5.80 m

Tonnage

DWT (at design)	2 500 t
DWT (at scantling)	3 800 t
NT	1 140

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
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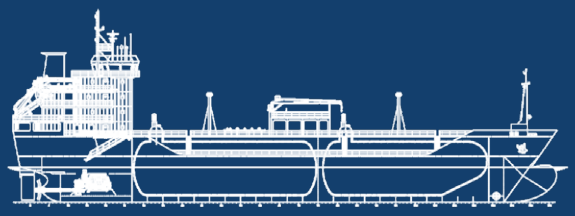
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



3500 DWT
LPG CARRIER

3500 CBM LPG Carrier is a 2 PG class ship, able to carry LPG, petrochemical gases and ammonia in two (2) pieces of semi refrigerated C type cargo tank designed for 10 bar pressure and -48 C temperature. During the design process advanced engineering tools have been used for hull form and weight optimization with a view to reduce the building and operation costs. Additionally environment-friendly approach and comfort criteria have been considered as main design inputs.

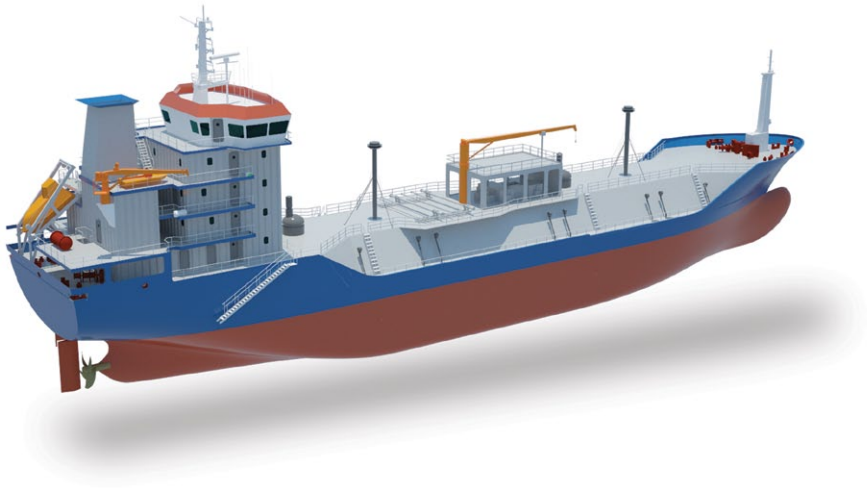
BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Ability to carry various types of cargo

DELTAMARINE

3500 DWT LPG CARRIER SHIP

SPECS



Capacities

LNG Cargo	3 500 m^3
Water Ballast	1 900 m^3
HFO	205 m^3
MDO	54 m^3
Fresh Water	80 m^3

Speed Consumption/Range

Design speed	14.0 knots
Consumption	9.0 t/day
Cruising range	6 500 nm

Machinery Main Components

Main Engine	1 x 2 380 kW
Propeller	2 x 3 800 mm CPP
Diesel Generator	3 x 300 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for seventeen (17) crews and one pilot. Thirteen (13) single berth cabins, a double berth cabin and two (2) suits with separate bedrooms are provided.

Lifesaving equipment is arranged for eighteen (18) people.

Main Dimensions

L_{OA}	94.00 m
L_{BP}	86.60 m
B (molded)	15.50 m
D (molded)	7.80 m
Draught (design)	6.00 m
Draught (scantling)	6.40 m

Tonnage

DWT (at design)	3 500 t
DWT (at scantling)	4 000 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
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- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

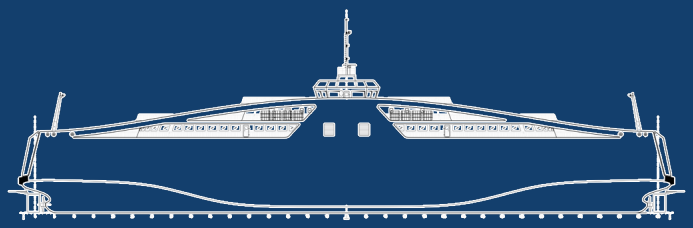
REFERENCES

⚓ No References Yet

PASSENGER SHIPS

www.deltamarine.com.tr

DELTAMARINE



1250 PAX
TRIMARAN DAY FERRY

Day-ferry is designed for daily cruises with sailing, loading and unloading ability from both sides and for ports with restricted maneuvring possibilities. The ship, equipped with redundant propulsion and maneuvering systems, has high sea-keeping particulars and trimaran hull structure creating low resistance, thus low fuel consumption. Passenger saloon is arranged for 850 pax while 400 pax can be accommodated on open deck. The passenger saloon is fitted with HVAC equipment for winter and summer conditions, high comfort in terms of vibration and noise and panoramic view. CP propellers installed at both ends of the ship are connected to a single engine via reduction, shaft and coupling. Depending on the cruising direction only one propeller is activated while the other's blades are placed paralel to streamlines for minimum resistance. Two pump-jets enabling 360° propulsion provides excellent maneuvrability and also they are substitute to main propulsion system with generators in case of breakdown.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Operational flexibility

DELTAMARINE

1250 PAX TRIMARAN DAY FERRY

SPECS

Capacities

Passenger	Indoor Seated: 850 Pax Outdoor Seated: 400 Pax
Car	200
Car + Truck	166 + 16
MDO	250 m³
Fresh Water	50 m³

Speed Consumption/Range

Design speed	16.0 knots
Consumption	14.7 t/day
Cruising range	4 500 nm

Machinery Main Components

Main Engine	1 x 4 000 kW
Propeller	1 x 2 500 mm CPP
Diesel Generator	3 x 550 kW
Shaft Generator	2 x 300 kW
Em'cy Diesel Generator	1 x 90 kW

Complement

The accommodation area is arranged for ten (10) crews. Ten (10) single berth cabins with separate private facilities are provided.

Main Dimensions

L_{OA}	99.90 m
L_{BP}	96.00 m
B (molded)	28.00 m
D (molded)	6.00 m
Draught (design)	3.50 m
Draught (scantling)	3.50 m

Tonnage

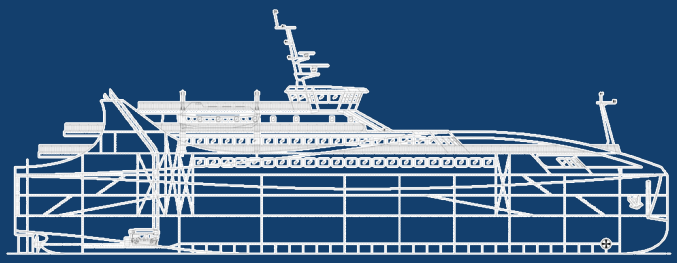
DWT (at design)	850 t
DWT (at scantling)	850 t
GRT (app)	10 300
NT	3 090

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



1430 PAX
ROPAX FERRY

Day ferry is an innovative design of a RoPax ferry that is tailor made project especially for the trade in Marmara Sea. Operational flexibility of highest degree is one of the most important characteristics of the design. This gives the operator the opportunity to focus on high passenger capacity in summer season and more cargo flexibility during the winter. Furthermore high reliability and low operating costs are among the key aspects of the ship. Advanced design features create a pleasant atmosphere in all public areas and thus makes the trip an agreable travelling experience. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Easy maintenance and overhauling
Operational flexibility

DELTAMARINE

1430 PAX ROPAX FERRY

SPECS

Capacities

Passenger	Indoor Seated: 850 Pax Outdoor Seated: 580 Pax
Car	150
Car + Truck	106 + 16
MDO	250 m³
Fresh Water	250 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	11.8 t/day
Cruising range	5 000 nm

Machinery Main Components

Main Engine	2 x 1 600 kW
Propeller	2 x 2 300 mm CPP
Diesel Generator	3 x 500 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

The accommodation area is arranged for twelfe (12) crews. Twelfe (12) single berth cabins, are provided.

Main Dimensions

L_{OA}	85.00 m
L_{BP}	83.60 m
B (molded)	20.70 m
D (molded)	5.00 m
Draught (design)	3.30 m

Tonnage

DWT (at design)	1 000 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
- [ ] DeltaLoad Ship Loading Software
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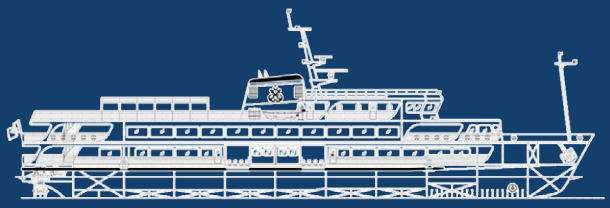
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet



1800 PAX
PASSENGER SHIP

The vessel which is selected by voting on internet within the "Istanbul Let's Select Your Ferry" campaign, keeps traditional lines of conventional Istanbul's passenger ships. The vessel is equipped with modern diesel-electric drive system allowing big saving on the engine power and thus very low emission levels and minimized noise. This environment-friendly of quiet ship has spacious accommodation, large panoramic windows, effective air conditioning systems and large open deck areas free from vibration. Special design features such as passenger ramps, smooth floors, wide aisles and special toilets for disabled people create a pleasant atmosphere in all public areas. Hull structure is analysed by FEM tools for safety, weight optimization and vibration. The hull form, optimized with CFD analysis, is designed for minimum resistance and fuel consumption. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Low initial investment cost
Easy maintenance and overhauling
Innovative propulsion system

DELTAMARINE

1800 PAX PASSENGER SHIP
SPECS

Capacities

Passenger	Indoor Seated: 703 Pax Outdoor Seated: 588 Pax Standing: 509 Total: 1800 Paxs
Water Ballast	142.80 m³
MDO	60.40 m³
Fresh Water	4.0 m³

Speed Consumption/Range

Design speed	14.0 knots
Consumption	6.0 t/day
Cruising range	3 000 nm

Machinery Main Components

Main Engine	4 x 420 kW
Propeller	2 x 1 400 mm Azimuth
Bow Thruster	200 kW
Em'cy Diesel Generator	1 x 150 kW

Complement

The accommodation area is arranged for six (6) personel. Two (2) single berth cabins and two (2) double berth cabins with seperate private facilities are provided.

Main Dimensions

L_{OA}	67.96 m
L_{BP}	63.38 m
B (molded)	13.00 m
D (molded)	3.70 m
Draught (design)	2.50 m
Draught (scantling)	2.80 m

Tonnage

DWT (at design)	115 t
DWT (at scantling)	300 t
GRT	741

SCOPE OF SERVICES

- [x] Conceptual Design
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- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

- SH FATİH
- SH KADIKÖY
- SH BEYOĞLU
- SH BEYKOZ
- SH SARIYER

BARGES & DOCKS

www.deltamarine.com.tr

DELTAMARINE

8500 DWT
FLOATING DRY DOCK

The floating dock is designed to performing all kinds of maintenance and overhauling operations (ship equipment removal/replacement, handling, maintenance operations and testing) for vessels up to 8.500 tonnes of displacement. Docking space for ships is up to 135 m length, 19 m breadth and 6 m draft. Maximum deck load for clear deck area is 12 t/m^3.
The floating dock is equipped with two (2) travelling cranes with maximum lifting capacity 20 tonnes.

DELTAMARINE

8500 DWT FLOATING DRY DOCK
SPECS

Capacities

Cargo	8 500 t
Water Ballast	26 500 m³
HFO	N/A
MDO	60 m³
Fresh Water	50 m³

Speed Consumption/Range

Design speed	N/A
Consumption	N/A
Cruising range	N/A

Machinery Main Components

Main Engine	N/A
Propeller	N/A
Diesel Generator	N/A
Em'cy Diesel Generator	1 x 500 kW

Complement

The accommodation area is arranged for eighteen (18) personnel with nine (9) bunk berth cabins.

Main Dimensions

L_{OA}	175.00 m
L_{BP}	160.00 m
B (molded)	37.50 m
D (molded)	16.50 m
Draught (design)	3.00 m
Draught (scantling)	12.00 m

Tonnage

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [ ] Production Engineering
- [x] Post Production Services
- [ ] DeltaLoad Ship Loading Software
- [ ] Advanced Engineering Analyses
- [ ] Project & Document Management
- [ ] Supervision Services
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

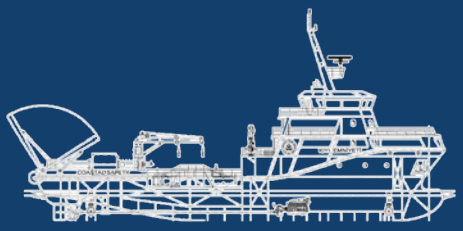
REFERENCES

- SEDEF NB177
- SEDEF NB178

SERVICE SHIPS

www.deltamarine.com.tr

DELTAMARINE



53 M
OIL RECOVERY SHIP

Vessel with steel hull and superstructure is designed to recover spilled oil, prevent sea pollution and handle buoy. Fitted with all the equipment necessary to implement effective and quick oil clean-up operations the ship has two (2) rigid sweeping arms with ropes and cables and tow cranes including winches, hydraulic controls for sweeping arms. Recovering spilled oil capacity is 200m³ for an hour and 400 m³ in total.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Easy maintenance and overhauling
Operational flexibility
Multiple functionality
Efficient propulsion system

DELTAMARINE

53 M OIL RECOVERY SHIP

SPECS

Capacities

Cargo	422 m^3
Water Ballast	269 m^3
MDO	75 m^3
Fresh Water	40 m^3

Speed Consumption/Range

Design speed	13.0 knots
Consumption	9.1 t/day
Cruising range	1 850 nm

Machinery Main Components

Main Engine	2 x 1 170 kW
Propeller	2 x 1 695 mm CPP
Diesel Generator	3 x 450 kW
Em'cy Diesel Generator	1 x 116 kW

Complement

Accomodation is aranged for thirteen (13) persons. Five (5) two berth cabins, two (2) suits with separate private facilities and a owner cabin are provided.

Main Dimensions

L_{OA}	52.95 m
L_{BP}	46.90 m
B (molded)	12.00 m
D (molded)	5.50 m
Draught (design)	3.80 m
Draught (scantling)	4.00 m

Tonnage

DWT (at design)	597 t
DWT (at scantling)	700 t
GRT (app)	939
NT (app)	281

SCOPE OF SERVICES

- [x] Conceptual Design
- [x] Contract Design
- [x] Production Engineering
- [x] Post Production Services
- [x] DeltaLoad Ship Loading Software
- [x] Advanced Engineering Analyses
- [x] Project & Document Management
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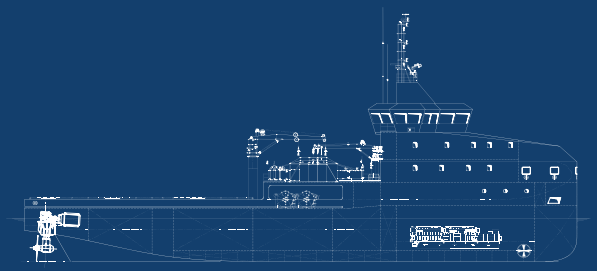
- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ SEYIT ONBASI



63 M

OIL SUPPLY RECOVERY SHIP

The vessel with steel hull and superstructure is designed as twin screw oil supply recovery ship for various purposes such as detection and recovering oil spill; transportation of fresh water, diesel oil, stores, materials and equipment; external fire fighting; movement between platforms and shore; rescue men fallen overboard; towing, drilling and work-over rig in unrestricted service area. Fitted with all necessary equipment for quick and effective oil clean-up and fire-fighting, the vessel is driven by efficient diesel electric propulsion with twin azimuth thrusters. Two rigid sweeping arms are installed for oil recovery while dynamic positioning capability is maintained by two azimuth and one bow thruster. Designed for 24/7 continuous operation and 10 days at stand-by position as station, the vessel has a total spilled oil capacity of 1.050 m^3.

BENEFITS

Compliance with environmental requirements
Low operating cost
Easy maintenance and overhauling
Operational flexibility
Multiple functionality
Efficient propulsion system

DELTAMARINE

63 M OIL SUPPLY RECOVERY SHIP

SPECS

Capacities

Oil Spill Collecting Tanks	1050 m^3
Cargo D/O Tanks	320 m^3
Cargo F/W Tanks	350 m^3
Water Ballast	700 m^3
MDO	110 m^3
Fresh Water	40 m^3

Speed Consumption/Range

Design speed	17 knots
Consumption	26.0 t/day
Cruising range	1 250 nm

Machinery Main Components

Main Engine	4 x 1 600 kW
Propeller	2 x 2 850 mm CPP
Diesel Generator	2 x 2 750 kW
Em'cy Diesel Generator	1 x 99 kW

Complement

Accommodation is arranged for twenty two (22) people. Nine (9) double berthed cabins, four (4) single berthed cabins with separate private facilities are provided.

Main Dimensions

L_{OA}	62.90 m
L_{BP}	60.00 m
B (molded)	15.00 m
D (molded)	6.00 m
Draught (design)	4.20 m
Draught (service)	3.60 m
Draught (scantling)	4.90 m

Tonnage

DWT (at design)	1 300 t
DWT (at scantling)	1 950 t
DWT (at service)	800 t
GRT	1 810
NT (app)	543

SCOPE OF SERVICES

- [x] Conceptual Design
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- [ ] Feasibility Analyses

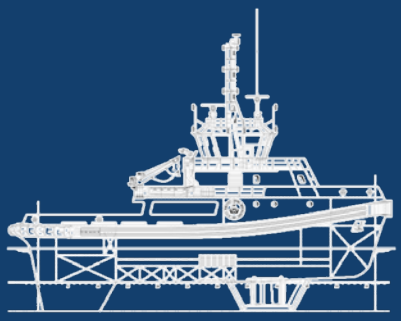
REFERENCES

⚓ No References Yet

TUGBOATS

www.deltamarine.com.tr

DELTAMARINE



60 TON BP
TUGBOAT

Vessel with steel hull and superstructure is designed for towing operations, pushing operations, line handling, general handling and fire fighting . The vessel is equipped with Voith Schneider propulsion system for superior manoeuvrability. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Easy maintenance and overhauling
Operational flexibility
Efficient propulsion system

DELTAMARINE

60 TON BP TUGBOAT

SPECS

Capacities

Cargo	60 tons (Bollards Pull Ahead)
Water Ballast	60 m^3
MDO	100 m^3
Fresh Water	50 m^3

Speed Consumption/Range

Design speed	up to 14.0 knots
Consumption	0.85 t/day
Cruising range	1 350 nm

Machinery Main Components

Main Engine	2 x 2 610 kW
Propeller	2 x Voith Cyclodial
Diesel Generator	2 x 150 kW

Complement

Accomodation is aranged for ten (10) persons. Four (4) single bed cabins with seperate private facilites and three (3) double decker cabins are provided.

Lifesaving equipment is arranged for sixteen (16) people.

Main Dimensions

L_{OA}	33.75 m
L_{BP}	31.55 m
B (molded)	12.60 m
D (molded)	5.20 m
Draught (design)	3.10 m
Draught (scantling)	3.30 m

Tonnage

SCOPE OF SERVICES

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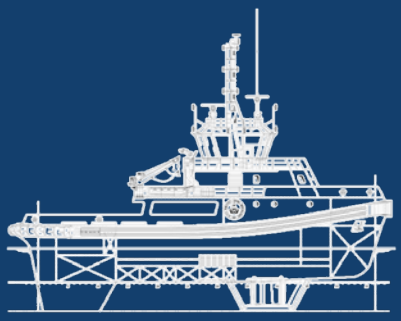

80 TON BP
TUGBOAT

Vessel with steel hull and superstructure is designed for towing operations, pushing operations, line handling, general handling and fire fighting . The vessel is equipped with Voith Schneider propulsion system for superior manoeuvrability. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Easy maintenance and overhauling
Operational flexibility
Efficient propulsion system

DELTAMARINE

80 TON BP TUGBOAT

SPECS

Capacities

Cargo	80 tons (Bollards Pull Ahead)
Water Ballast	60 m^3
MDO	130 m^3
Fresh Water	50 m^3

Speed Consumption/Range

Design speed	up to 14.0 knots
Consumption	1.1 t/day
Cruising range	1 350 nm

Machinery Main Components

Main Engine	2 x 3 600 kW
Propeller	2 x Voith Cyclodial Rudder
Diesel Generator	2 x 150 kW

Complement

Accomodation is aranged for ten (10) persons. Four (4) single bed cabins with seperate private facilites and three (3) double decker cabins are provided.

Lifesaving equipment is arranged for sixteen (16) people.

Main Dimensions

L_{OA}	37.50 m
L_{BP}	34.55 m
B (molded)	14.00 m
D (molded)	5.60 m
Draught (design)	3.80 m
Draught (scantling)	4.00 m

Tonnage

SCOPE OF SERVICES

- [x] Conceptual Design
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- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

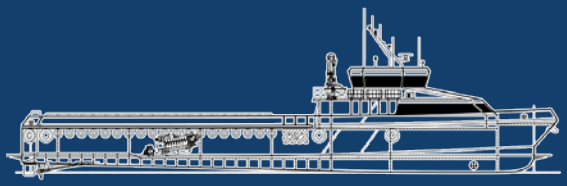
REFERENCES

⚓ No References Yet

CREW SHIPS

www.deltamarine.com.tr

DELTAMARINE



82 PAX
CREW SHIP

Utility vessel is designed for support production operations, providing storage space, emergency standby, and transporting personnel between platforms. This powerful vessel with optimized weight can travel at up to 25 knots.

BENEFITS

Low fuel consumption
Compliance with environmental requirements
Low operating cost
Easy maintenance and overhauling
Operational flexibility
Multiple functionality

DELTAMARINE

82 PAX CREW SHIP

SPECS

Capacities

Cargo	72 Pax
HFO	123 m^3
Fresh Water	100 m^3

Speed Consumption/Range

Design speed	25.0 knots
Consumption	13.6 t/day

Machinery Main Components

Main Engine	2 x 1 850 kW
Propeller	2 x 1 300 mm FPP
Diesel Generator	3 x 200 kW
Em'cy Diesel Generator	1 x 45 kW

Complement

The accommodation area is arranged for eight (8) crews in seven (7) cabins.

Suitable for 72 passenger seating.

Main Dimensions

L_{OA}	45.00 m
L_{BP}	42.00 m
B (molded)	8.50 m
D (molded)	3.70 m
Draught (design)	1.45 m
Draught (scantling)	2.10 m

Tonnage

DWT (at design)	58 t
DWT (at scantling)	175 t

SCOPE OF SERVICES

- [x] Conceptual Design
- [ ] Contract Design
- [ ] Production Engineering
- [ ] Post Production Services
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- [ ] Procurement Consultancy
- [ ] Feasibility Analyses

REFERENCES

⚓ No References Yet

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