

NAVTEC MARINE d.o.o.

Design & Consulting Services

51000 Rijeka, B. Francetića 3A, CROATIA Tel.: +385 51 216-572

Fax: +385 51 400-408 E-mail: management@navtec-marine.hr

Reg. no.: 00635235 OIB: 67439504247



COMPANY PROFILE

January 2018

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NAVTEC MARINE, private group of professionals, established in 1993, provides design and consulting services to ship and yacht owners and builders, working worldwide.

Designing a vessel is a complex task, considering the client's wishes, usage of the vessel, classification requirements and equipment. Our business policy is to provide our clients with the best service at a competitive price. Therefore, our approach is:

- to propose reliable and cost-effective designs,
- to work closely within your terms of reference,
- to fulfill your production and technical requirements,
- to work effectively with you.

NAVTEC MARINE covers your demands regarding various types of ships, yachts, offshore and special structures:

- ships (tankers, containers, MPVs, etc.),
- yachts and boats (including high speed craft),
- offshore vessels/constructions,
- special structures/machines.

Our highly motivated and experienced designers and project managers are able to provide knowledge, experience and innovative engineering in **following services** for the new buildings and conversions:

- initial and contract designs,
- feasibility studies and analysis,
- basic naval architecture calculations,
- special equipment design (roller bending machine, hydrodynamic experimental channel, fishing winches, BLPs, special hatches, etc.),
- structure FEM analysis,
- class and statutory drawing packages preparation,
- installation and workshop drawings (also for reconstructions and special equipment),
- lines fairing and hull production information (NC-cutting machine data, bending teplates etc.),
- testing programs,
- consulting services, project management and survey.

The team's different backgrounds enable us to deliver innovative, tailor-made, but still practical engineering solutions that meet your requirements.

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Our work is based on the following computer technology:

Tribon Initial Design, Autodesk AutoCAD, Rhinoceros, Lindes, Surfite,
MastSystem4, SeaPower, Autohydro, Argos,
DNV GL POSEIDON, DNV GL Nauticus Hull, DNV GL 3D Beam, GL ShipModel,
BV Mars, Autodesk Inventor, TRIBON Production Information Software,
Femap with NX Nastran

but we also have knowledge in the following softwares:

AVEVA Marine, Strand7, Siemens NX, NAPA Steel, MSC Nastran, CATIA
and Nupas-Cadmatic,

and bring the experience of more than 25 years in marine consulting business to bear on your valued work.

DESIGNS:

- general cargo and special purpose ships up to 40 000 TDW,
- container vessels up to 5000 TEU,
- offshore support vessels up to 100 m,
- offshore construction vessels up to 200 m,
- offshore vessels special equipment,
- heavy lift vessels up to 20000 TDW,
- offshore vessels up to 170 m,
- car carriers up to 5000 cars,
- product, chemical and gas tankers up to 51 000 TDW,
- yachts and power boats up to 90 m,
- fishing vessels up to 80 m,
- tugs up to 3500 kW,
- navy crafts and vessels up to 1900 t,
- passenger vessels up to 3000 pax (part of),
- off-shore platforms (part of),
- testing facilities (cavitation channels, etc.),
- shipbuilding production machines (roller bending machine, etc.).

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REFERENCES

1. Yacht 32 m Al-alloy (Abu Dhabi) - basic drawings - **LR**
2. Al-alloy fishing boats 8&11 m (Japan) - all drawings (basic & workshop)
3. Special vessel stability analysis (UK)
4. Fishing vessels 20 and 25 m (Croatia) - all drawings (basic & workshop) - **HR**
5. Fishing vessels winches (Croatia) - design and production documentation - **HR**
6. Tanker reconstruction (Croatia) - all drawings (basic & workshop) - **HR**
7. Tanker hull (Italy) - Tribon NC-production information
8. Luxurious sailing vessel 34 pax (Austria/Croatia) - all drawings (basic & workshop) - **HR**
9. Wooden coastal vessel 23 m (Croatia) - all drawings (basic & workshop) - **HR**
10. Rudder reconstruction (Norway) - hydrodynamic analysis and production drawings - **DNV**
11. Ro-Ro vessel 7500 DWT reconstruction (Norway) - all drawings (basic & workshop) - **DNV**
12. Seariver multipurpose ship 7 500 DWT (Germany) - all basic drawings - **GL**
13. Al-alloy 10 m boat (Austria) - all drawings (basic & workshop)
14. Fast patrol boat 12 m, WEST system (Croatia) - all hull drawings (basic & workshop) - **HR**
15. Product tanker reconstruction (Croatia) - all drawings (basic & workshop) - **HR**
16. 14 m Al work boat (Croatia) - all drawings - **HR**
17. Icebreaker aux. room reconstruction (Germany) - all drawings (basic & workshop) - **RMRS**
18. Product tanker 70 000 DWT - superstructure (Croatia) - Tribon NC-production information
19. Chemical tanker 22 500 DWT (Italy) - all hull basic drawings and Tribon NC-production information - **RINA**
20. Sounding vessel 40 m (Germany) - hull workshop drawings
21. Special cable-lying vessel (Germany) - hull basic drawings (part of) - **LR**
22. Fast cruise vessel (Germany) - Tribon NC-prod. information (part of)
23. Container vessel 5 500 TEU (Germany) - Tribon NC-production information (part of)
24. Passenger vessel (Italy) - hull basic and workshop drawings - **RINA**
25. Rescue boat (Far-East) - contract design
26. Passenger vessel NCL Sun (Germany) - Tribon NC-production information (part of)
27. Experimental Hydrodynamic channel (Italy) - Basic and detailed design and production control **RINA** + FEA
28. Fishing vessel 40 m (Sweden) - Tribon NC-production information
29. Gas carrier 3750 m³ (Germany) - all basic drawings package - **GL**
30. Juice tanker 45 000 DWT (Norway) - hull basic and pipe workshop drawings - **GL**
31. Passenger vessels (Germany) - Tribon hull NC production information (two different vessels)

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32. Passenger vessel (Italy) - hull basic and workshop drawings - **RINA**
33. Catamaran yacht 40 m (Slovenia) - all drawings (basic & workshop) - **DNV**
34. Cable laying vessel (Croatia) - hull and outfitting workshops drawings and NC production information
35. Chemical tanker 25 000 DWT (Croatia) - hull basic and workshop drawings and NC production information - **GL**
36. Gas carrier 7200 m³ (Germany) - all basic drawings - **GL**
37. Chemical tanker 25 000 DWT (Germany) - hull basic package - **RINA**
38. Passenger vessel (Italy) - piping coordination plans, part of
39. Chemical tanker 26 000 DWT (Germany) - Tribon hull detailed design and NC production information
40. Fishing vessel factory reconstruction (Latvia/Iceland) - all workshop documentation
41. 3300 DWT product tanker design (Denmark) - basic design package - **GL**+ FEM analysis
42. Fishing vessel 41 m (Sweden) - hull/outfitting basic and Tribon hull NC production information - **DNV**
43. 1650 DWT product tanker design (Denmark) - basic design package - **GL**
44. Forepeak, 3. Maj shipyard - detail design (Croatia)
45. Roller bending machine 10 m (Latvia) - all basic and workshop drawings
46. Cement carrier reconstruction (Sweden) - all basic design and workshop drawings - **LR**+ FEM analysis
47. Yacht 70 m (Italy) - initial design (part of) and Tribon hull detailed design with NC production information - **LR**
48. Ferry 600 pax/100 cars (Croatia) Tribon hull detailed design with NC production information
49. 4300 PCTC Car Carrier FLEXI design (Germany) - hull basic package - **DNV**+ FEM analysis
50. Off-shore lifting equipment (Croatia) - FEM analysis
51. Ferry 35 m (Latvia) Tribon hull detailed design with NC production information
52. Bevelling machine workshop - basic and detailed design + FEM analysis
53. Yacht 52 m (Germany) - hull basic design and NC production information - **LR**
54. Ro-Ro Ferry 4200 m (Italy)- hull basic design, hull workshop design with NC production information (part of), piping detailed design (part of) - **DNV**
55. Oil reservoirs (Australia) - detailed design
56. CV 1800 TEU (Germany) - hull basic design - **GL**+ FEM analysis
57. CV 900 TEU (Germany) - hull basic design - **GL**+ FEM analysis
58. Pax Cruiser (Germany) - hull detailed design (part of)
59. MPV 4100 TDW (Denmark) - all basic drawings - **LR**
60. Barges 90 & 95 m – offshore (Italy/Kazakhstan) - basic design - **RMRS** +FEM analysis
61. HL MPV 12000 TDW (Germany) - contract design - **GL**
62. Chemical Tanker 18500 DWT - hull basic design (Germany) - **GL** + FEM analysis

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63. Sea River MP Vessel 4500 TDW (Latvia) - contract design – **GL** - design
64. Juice Tanker 35000 DWT - hull basic design (Norway) - **GL**
65. Barge 80 m - hull detailed design (Norway)
66. Chemical tanker 6800 TDW - hull basic design (Germany) - **GL**+ FEM analysis
67. OP vessel 650 t - initial design (Italy) - **DNV**+ FEM analysis
68. BC reconstruction (slurry carrier) - basic design (Croatia) - **LR**+ FEM analysis
69. Patrol boat 400 t - basic design (Italy) - **GL**+ FEM analysis
70. Seismic Research vessel - hull basic design (Italy) - **LR** + FEM analysis
71. Yacht 49m - contract design and hull basic design (Italy) - **LR**+ FEM analysis
72. Supply vessel (80 m) - hull workshop design (Norway)
73. Fishing vessel (85 m) - hull workshop design (Norway)
74. Chemical tanker 20000 TDW - CSR hull basic design (Germany) - **GL**+ FEM analysis
75. Supply vessel (62 m) - hull basic design (Norway)
76. Seismic Research vessel (81 m) - Tribon hull detailed design (Italy)
77. Seismic Research vessel (93 m) - Tribon hull detailed design (Italy)
78. HL MPV 15000 TDW (Germany) -contract design - **GL**+ FEM analysis
79. 5000 PCTC Car Carrier FLEXI design (Germany) - hull basic package - **GL**
80. Coast Guard vessel (90 m) - hull workshop design (Norway)
81. HEAVY LIFT Vessel 18 680 TDW - hull basic design (Croatia) - **LR** + FEM analysis
82. FPSO reconstruction (Norway) - basic design - **DNV** + FEM analysis
83. Yacht 3200GT 88 m - all drawings (conceptual design) - **LR**
84. FPSO reconstruction (Norway) - basic/detailed design - **DNV**
85. HEAVY LIFT Vessel 18 050 TDW - hull detailed design (India)
86. Fishing vessel (45 m) - hull workshop design (Norway);
87. Fishing vessel (77 m) - hull workshop design (Norway).
88. Supply vessel (79 m) - hull basic design (Norway)
89. Special Tanker 15 000 TDW - hull workshop design, part of, (Croatia)
90. HL Offshore Pipe Laying vessel - hull basic design - **ABS** (NL) + FEM analysis
91. Ro-Ro vessel stern ramp - **LR** + FEM analysis (Croatia)
92. Naval vessel exhaust system reconstruction workshop design (Croatia)
93. Drill Barge - hull basic design - **ABS** (NL) + FEM analysis
94. Supply Vessel 100 m - hull and outfitting basic design - **DNV** (Norway)
95. CV 10 000 TEU FEM analysis - **GL** (Germany)
96. Offshore Installation vessel - hull basic design - **DNV** (NL)
97. Jack-Up Rig reconstruction - structure&outfitting detailed design (NL)
98. Offshore Supply vessel 85 m (Norway) - outfitting class&workshop design
99. Floating dock stability check (Croatia)
100. MOCV vessel - hull basic design - **DNV** (NL)
101. CV 11 000 TEU FEM analysis - **GL** (Germany)
102. Offshore supply vessel 85 m outfitting basic design - **DNV** (Norway)
103. Offshore Accommodation vessel 140 m hull basic design - **DNV** (NL)

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104. Anchor Handling vessel 80 m - extended class - DNV (Norway)
105. Offshore Construction vessel 150 m - hull basic design - DNV (NL)
106. Offshore Pipelay v. 162 m Boat Landing Platform - basic&detailed design - DNV (NL)
107. Offshore vessel 80 m - hull and outfitting extended basic design - DNV (Norway)
108. Offshore Construction v. Boat landing Platform - Basic&detailed design - DNV (NL),
109. Anchor Handling vessel 87 m - hull, outfitting and main foundations class No,
110. Shrimp Trawler vessel 80 m - hull, outfitting and main foundation class - DNV (No),
111. Service Operation vessel 81 m - hull and outfitting class - DNV (Norway),
112. Live Fish carrier 76 m Stairs Tower basic design + FEM analysis - DNV (Norway)
113. Ferry 75 m Hull Class upgrade (Germany)
114. Offshore Construction vessel 150 m Heavy Equipment Integration with Hull – detailed design with FEA - ABS (NL)

STAFF: 13 naval architects, 4 technicians,
administration manager

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Car Carrier 5000 Cars DNV Flexi Design



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Chemical Tanker IMO 3 Class



Container Vessel 1000 TEU



Catamaran Yacht 40 m



Catamaran Yacht 40 m



Container vessel 1800 TEU

