

Creating **solutions**,  
creating **future**.



# About Delta Marine



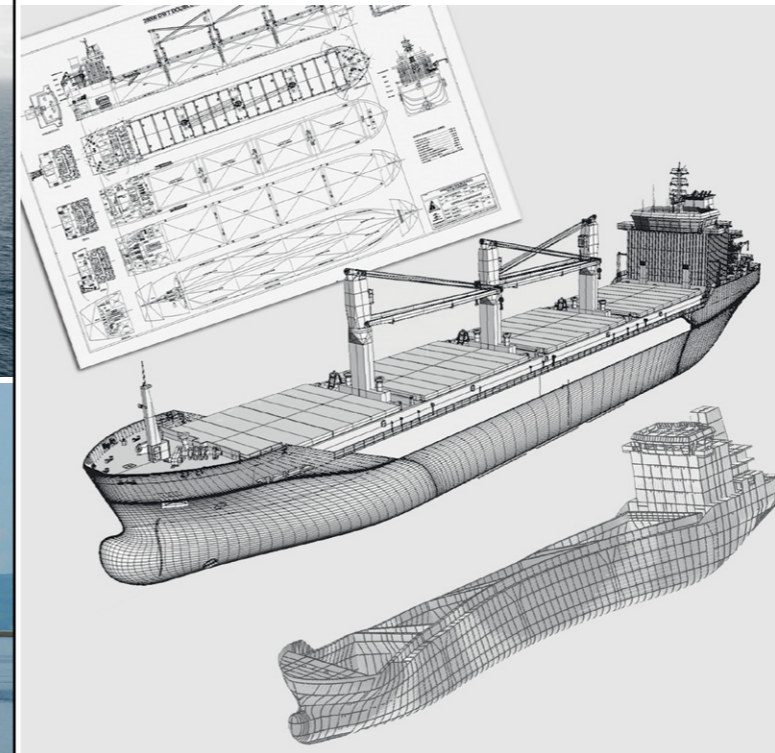
A prolific and reputable designer providing high quality engineering services with innovative approach and state-of-the-art technological tools for building of merchant and naval ships, yachts and offshore structures.



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 ships, 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

## Realizing your imagination



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.

# Values

efficiency · environment = e<sup>2</sup>



Ship Design is  
our expertise

Delta Marine's vision is a World and future where environment-friendly approach and understanding of efficiency are propagated and easily applied in marine sector by continuously improving the engineering know-how and tools.

## MISSION

Delta Marine's mission is,

- Creating ship designs which meet precisely the client's requirements as well as existing national and international rules by using up to date technology and engineering know-how,
- Contributing building of most efficient ships following art in engineering concept and respecting the basic requirements of environment, safety, ergonomics, aesthetic and comfort,
- Providing effective and reliable solutions in critical engineering issues for maximum possible return on investment

## VALUE PROPOSITION

Delta Marine provides to its customers effective and reliable design, engineering and consultancy services in order to get a ship which guarantees the desired return on investment throughout her lifecycle. Ships with Delta Marine signature are considered as safe, robust, economical, comfortable, aesthetic and environment-friendly end products.

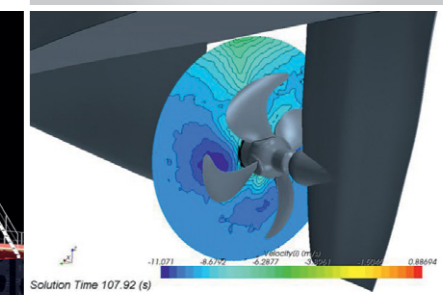
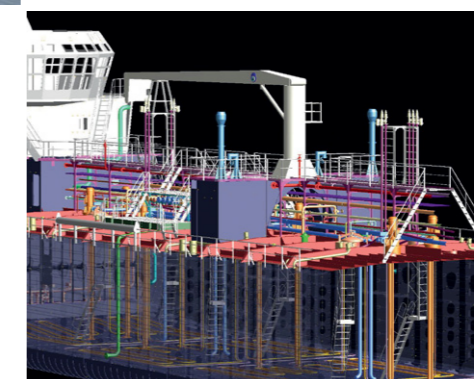
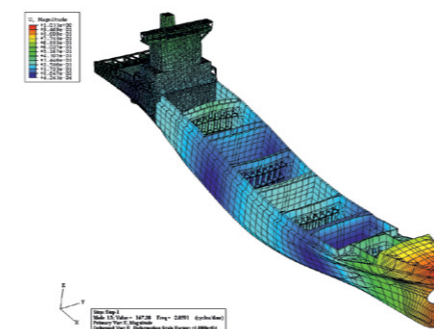
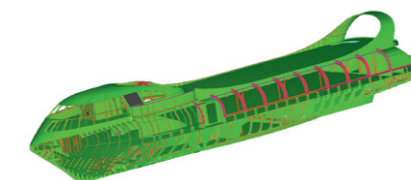
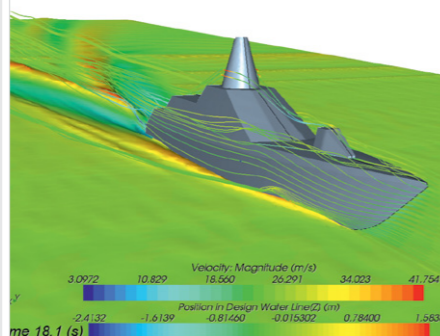
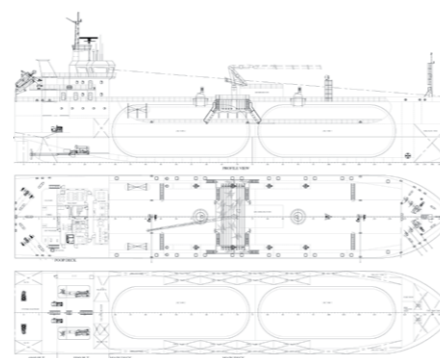
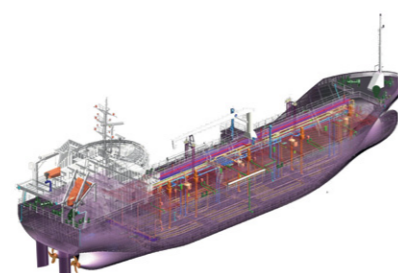
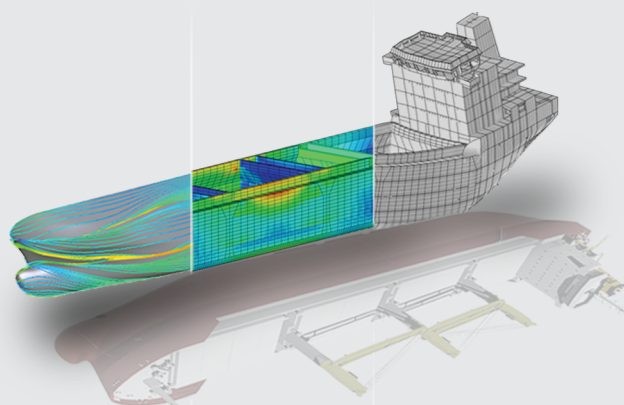
## PRINCIPLES

Delta Marine has adopted following principles and protects them under every circumstance in every project.

- Customer satisfaction
- Professional ethics
- Respect to environment
- Innovative approach
- Continuous improvement
- Focus on solution

# Services

Creating **tailormade,**  
**innovative, integrated** solutions



- Meeting perfectly end user's needs and requirements
- Caring about ship's lifecycle from the beginning
- Managing scope, time, budget and quality
- Pursuing latest trends, regulations and technologies

## BASIC DESIGN

- Initial Design
- Conceptual Design
- Contractual Design
- Functional Design

A concept is developed by principal naval architecture studies allowing preliminary estimations for performance and cost while enabling progression to class level design. Delta Marine ensures confident commercial pricing, extensive design information for class and safe transition to production by using high-tech tools and extensive knowledge.

## PRODUCTION ENGINEERING

- Hull
- Outfitting
- Piping, HVAC, Cabling
- Assembly, Coordination

Basic Design information is converted into outputs for production through 3D CAD-CAM tools and efficient work force. Delta Marine is capable of providing very detailed production information of ship's hull (structural elements, foundations..) and outfitting (piping, cabling, HVAC, hull outfitting..).

## POST PRODUCTION SERVICES

- Tests & Trials
- Final Calculations & Operational Booklets
- Ship Loading Software
- Conversion Projects

Post-production phase comprises engineering work prior to putting the new building into service including cross checks for consistency of design estimations and final product. Delta Marine provides comprehensive documentation and accurate results which assure smooth and timely ship delivery process.

## ENGINEERING MANAGEMENT

- Project Management
- Procurement Consultancy
- Supervision Services
- Feasibility Analysis

Based on vast experience gained over the years in various projects, Delta Marine is capable to establish efficient and effective organization for managing design and/or building processes with appreciation to their complex nature by following the understanding of concurrent engineering and proactivity.

## ADVANCED ENGINEERING

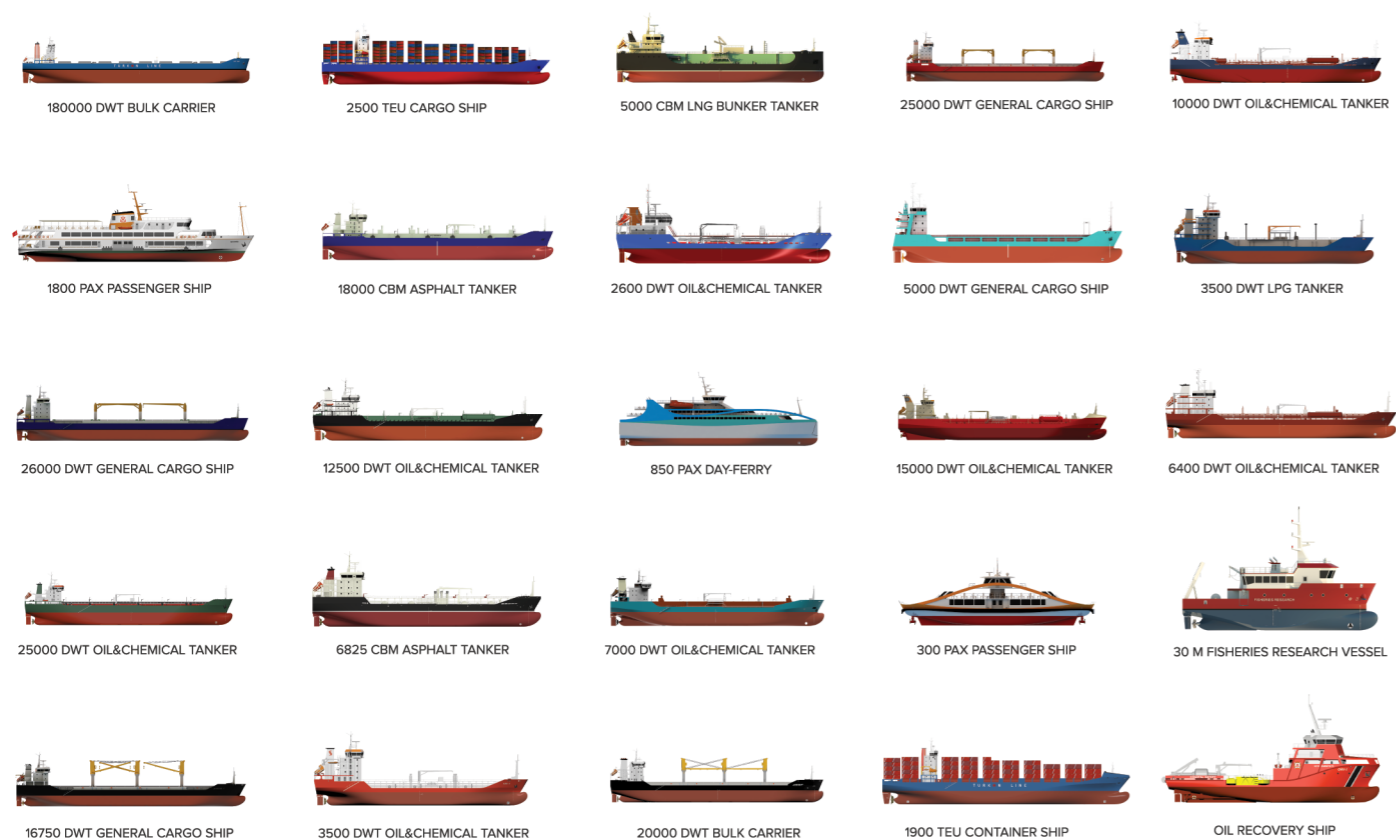
- Finite Element Analysis
- Computational Fluid Dynamics
- Statistical Energy Analysis
- Noise & Vibration Measurement

It has become Delta Marine's tradition to improve and then validate the performance and reliability of each design by detailed advanced engineering studies. Hull forms are optimized by CFD for high efficiency and low operational cost, structures are strengthened by FEA for safe voyages and ships are analyzed by SEA for passengers' acoustic and vibration comfort.

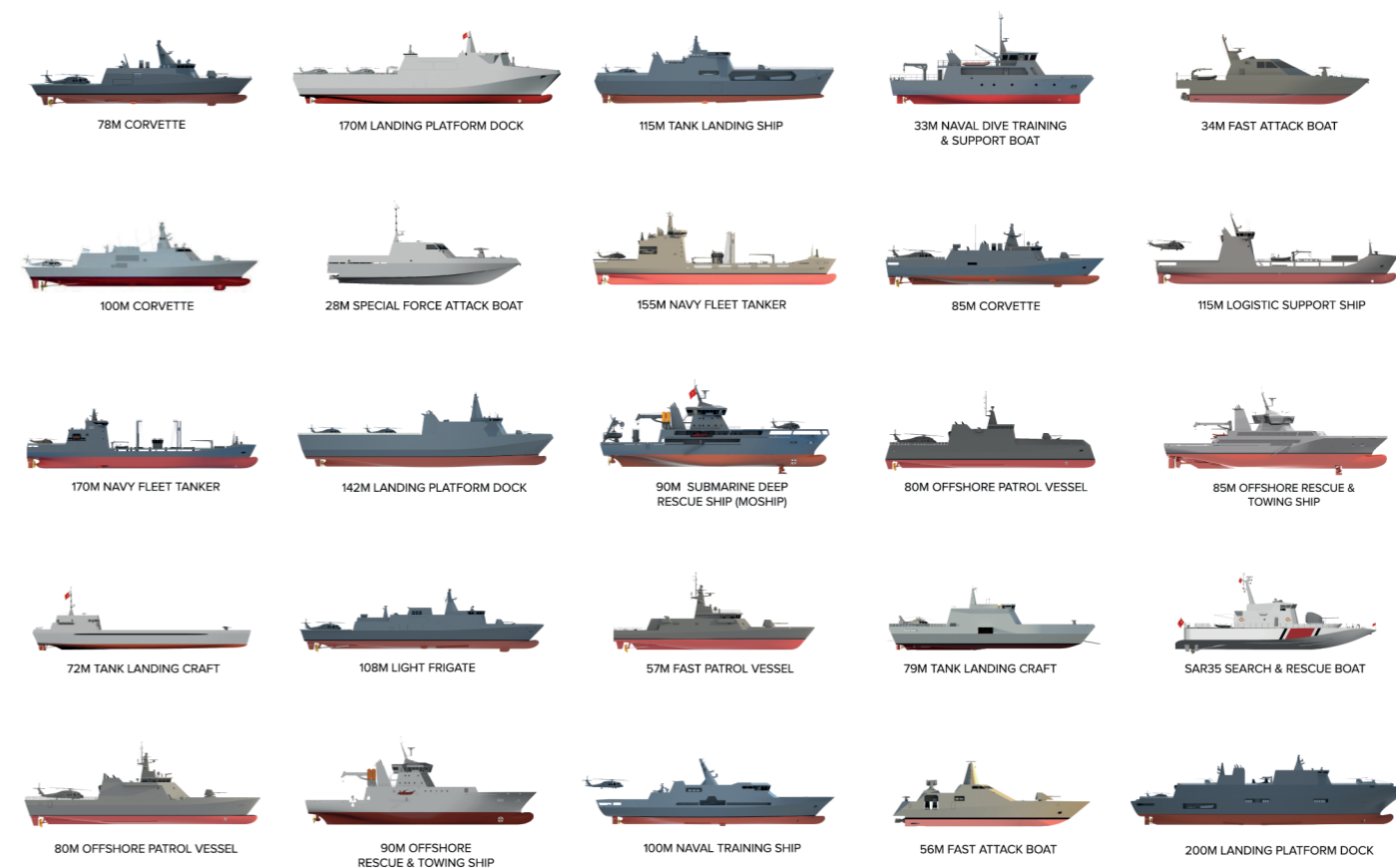
# Products

Blending the **experience** and **dynamism**  
for **optimum design**

## MERCHANT SHIP DESIGNS



## NAVY SHIP DESIGNS



### MERCHANT SHIPS

- General Cargo Ship
- Bulk Carrier
- Container Ship
- Multipurpose Cargo Ship
- Tanker
- Passenger Ship

### SERVICES SHIPS

- Oil Recovery Ship
- Tug Boat
- Supply Ship
- Crew Ship
- Platform Supply Vessel

### INDUSTRIAL SHIPS

- Fishing Ship
- Barge & Dock
- Workboat

### NAVAL SHIPS

- Combat Ship
- Amphibious Ship
- Support Ship
- Patrol Ship
- Training Ship



# Solution Partners



Delta Marine's prolific academia produced two solution partners who contributes in formation of integrated shipbuilding solution concept.

This effective triangular collaboration provides efficient and environment-friendly ships designed by Delta Marine, verified by Mesh and built by Omega Marine.

## Integrated Shipbuilding Solutions



### Ship Design Consultancy

- Basic Design
- Production Engineering
- Post Production Services

### Engineering Management

- Design Project Management
- Technical Feasibility Studies
- Design Supervision



### Engineering Analysis

- Finite Element Analysis (strength, vibration, fatigue...)
- Computational Fluid Dynamics (form optimization, cavitation...)
- Statistical Energy Analysis (acoustics, vibration...)

### Software Solution

- Project Management Software (RITMIQ)
- Ship Loading Software (DELTALOAD)
- Noise & Vibration Prediction (VIBACUS)



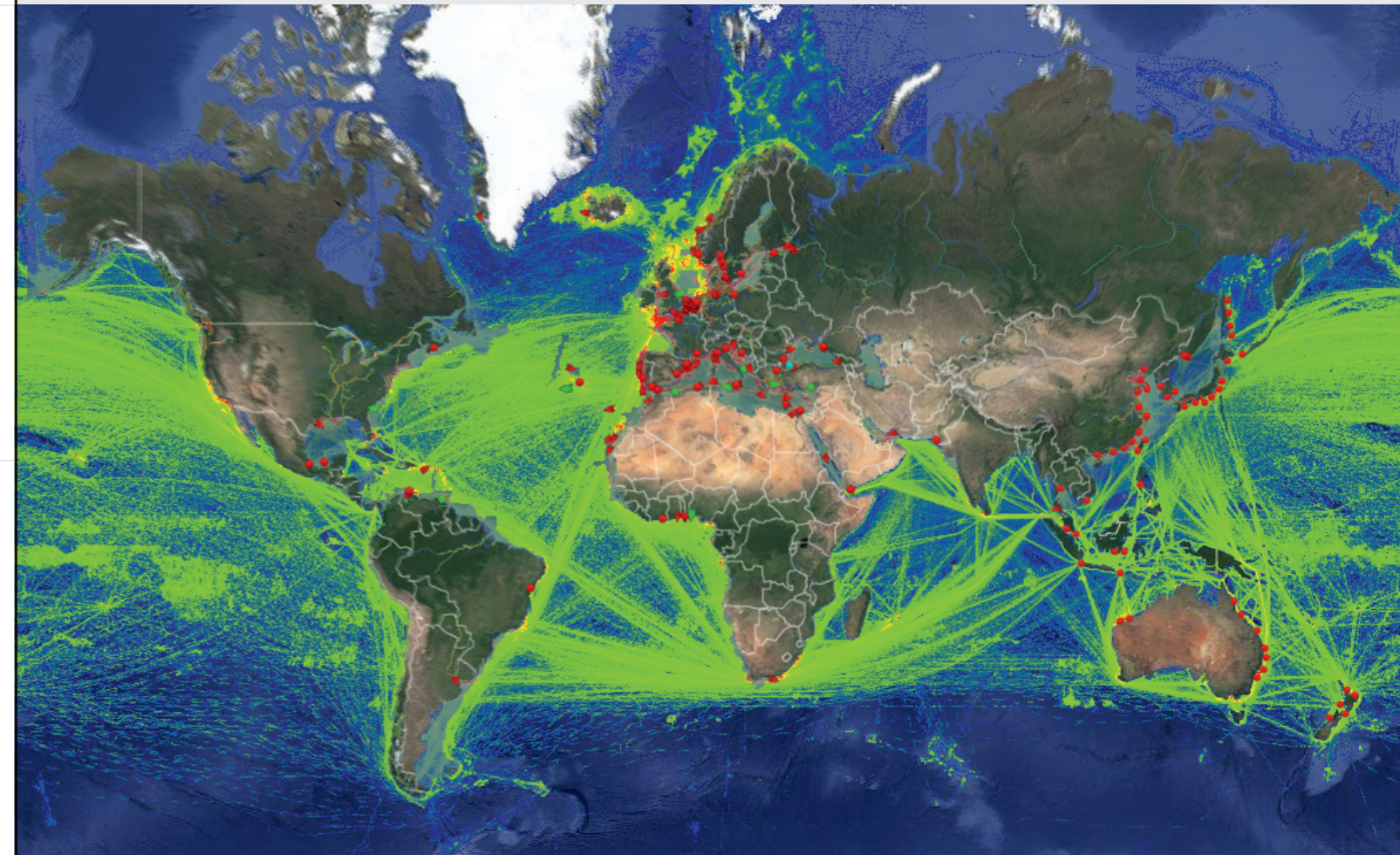
### Turnkey & Building Contracting

- Building Strategy & Management
- Project Actors' Management
- Financial Management

### Consultancy

- Financial Feasibility Studies
- Building Supervision
- Procurement Consultancy

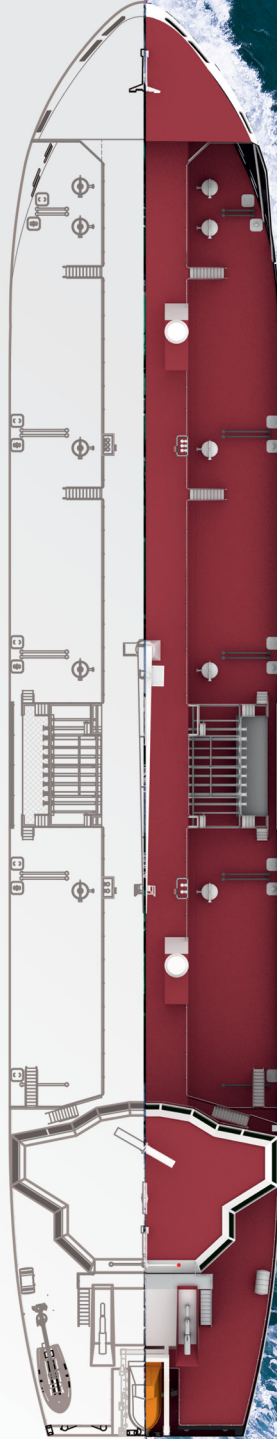
# Delta Marine Fleet in World Seas



Delta Marine proudly presents its fleet simultaneously sailing in different seas and reaching various parts of the World.

You **imagine,**

we **realize.**



**Head Office**

Fahrettin Kerim Gokay Caddesi  
Okul Sokak, Altunizade Sitesi E/2  
Altunizade 34662,  
Uskudar - Istanbul - Turkey

**Research & Development Office**

Teknopark Istanbul, Sanayi Mahallesi  
Teknopark Bulvari Block 1/3A N°306  
34906, Pendik - Istanbul - Turkey

PHONE +90 216 428 0241

FAX +90 216 428 4475

contact@deltamarine.com.tr

[www.deltamarine.com.tr](http://www.deltamarine.com.tr)