Services

Solution **E**ngineering, **F**ocused **T**hinking

WE ARE A TEAM OF

MULTI-DISCIPLINARY ENGINEERS

SEFT was founded by four professionals with an exceptional experience on Marine Engineering, including ship design & engineering solutions, shipbuilding, power & propulsion systems, structure and outfitting.

We provide services in different engineering disciplines from structure to process from analysis to simulations.

We have the inhouse capability to serve all stages of engineering phases;
from Concept Design and Feasibility Study to Main Design, from Detailed Design to Consultancy and Project Management.

01

HOW WE

DESIGN

At the core of our company lies a passion for ship design, where advanced technology and seasoned expertise converge to produce innovative, efficient, and seaworthy solutions tailored to each client and vessel type. Our commitment to creating designs that excel in performance, safety, and aesthetics is unwavering, ensuring each vessel embodies both functionality and beauty.

02

HOW WE

PROTECT ENVIRONMENT

In our pursuit of exceptional ship design and engineering, we prioritize eco-friendly materials and energy-efficient systems to minimize environmental impact throughout every vessel's lifecycle. By integrating sustainable practices into our design and engineering processes, we are setting new standards for responsible shipbuilding, safeguarding marine ecosystems while creating vessels that excel in both performance and environmental responsibility.

03

HOW WE

SIMULATE

In perfecting ship design and engineering, advanced simulation software and virtual prototyping play a crucial role, allowing us to model and analyze vessel performance across a range of conditions. Our rigorous simulations ensure that every design excels in efficiency, safety, and maneuverability, ultimately delivering vessels that exceed expectations in real-world operations, thanks to our integrated design and engineering approach.

04

HOW WE

SUPPORT

Our aim is to provide comprehensive design and engineering solutions tailored specifically for the ship building industry, fostering long-term relationships with our clients. We specialize in offering expert support for ship design and engineering, ensuring efficient and innovative solutions for sustainable, enduring partnerships.

01

HOW WE
DESIGN

R&D, Contract-Initial-Basic-Detailed Ship Design, Retrofit Design, Advanced Engineering Analysis, Project Management and consultancy services for new building and existing ships in Marine&Offshore industries.

SEFT SPECIALIZES IN

New build design and basic engineering for a wide range of ship types including;
General cargo vessels, chemical tankers, tugs, workboats and vessels for the offshore, seismic, research vessels, sailing powerships, combatant and auxiliary naval ships, passenger transport and fishing boats.

ALL STAGES OF SHIP DESIGN UNDER ONE UMBRELLA

The scope of design & engineering services for new vessels is divided into the following stages: concept design, tender/ contract design, basic design, and coordination/integration of detailed design.

From building specification to class / authority approved design packages and beyond, engineering with leading fundamentals is a core business at SEFT ENGINEERING. With experienced and professional in-house capabilities of all engineering disciplines and state-of-the-art software/hardware packages, we will take care of well-grounded and sustainable designs. Many different types of vessels on delievery record prove a broad foundation. Every project is different and so is the process at SEFT ENGINEERING - flexible in cooperation and scope. But for us commitment is not just a statement: it is key for success.

MAIN SERVICES

We offer a fully tailored and comprehensive solution to your engineering needs by providing the following services:

- Naval Architecture
- Mechanical & Marine Engineering
- Marine HVAC Design
- 2D & 3D Visualization
- Energy Optimization
- Marine Transportation
- Engineering Simulation & Analysis
- Project Management

in all ranges from a new vessel design to refit

or conversion project,

INNOVATIVE SHIP DESIGNS

SEFT has earned a national reputation for innovative, successful designs for a wide range of ship. In subsequent years, the company has been leader in creating highly qualified naval ships and special-purpose vessels which innovative aspect of powerful.

Our Design Reference Includes Special Project Design From Small Fishing Boats To Chemical Tankers, From Naval Vessels To Commercial Vessels. First Goal Of Our Business Philosophy Create Unique Designs Which Meet Specific Customer Requests And Exceeding The Expectations.

Second Base Goal, Produce Design Has The Highest Details Can Be Possible And Details Which Provide Manufacturing Easily. Especially Last Years SEFT Increased Competitiveness At National And International Market With Experience In Detail & Production Design.

Third Base Goal Of Our Work Philosophy Is Long-Term Customer Relationship. This Together With Our Extensive Experience And Capabilities Supported With Smart Partnering Drives Us To Serve Our Customers Better.

Located Near Tuzla Shipyard Region In TEKNOPARK ISTANBUL Which Is The Most Important And The Biggest Technopark At Turkey. SEFT Is A First Ship Design Company Was Accepted To Work At Technology Development Zone Under Favour Of Their Work Philosophy Has Three Base Goals.

CONCEPTUAL DESIGN & TENDER / CONTRACT DESIGN

We create tailor made designs From feasibility study via tendering to contract specification. On the other hand, we serve as independent consultant covering contract negotiations, review of design specifications, planning and cost evaluation for a vessel construction or refit contract.

We create effective and market-leading designs based on the large range of designs - from cargo vessels to naval vessel, from tugs to yachts- that ensures a reliable basis for comprehensive inventive and innovative new designs.

Basic Design

The design is optimized based on the client's needs and the requirements of the classification society and flag state. Calculations and drawings are fully developed into a design package for class approval. Close coordination with the shipyard is an integral part of this design stage to ensure the client's objectives will be realized. While the deliverables for this design phase are highly customizable, they typically include the following:

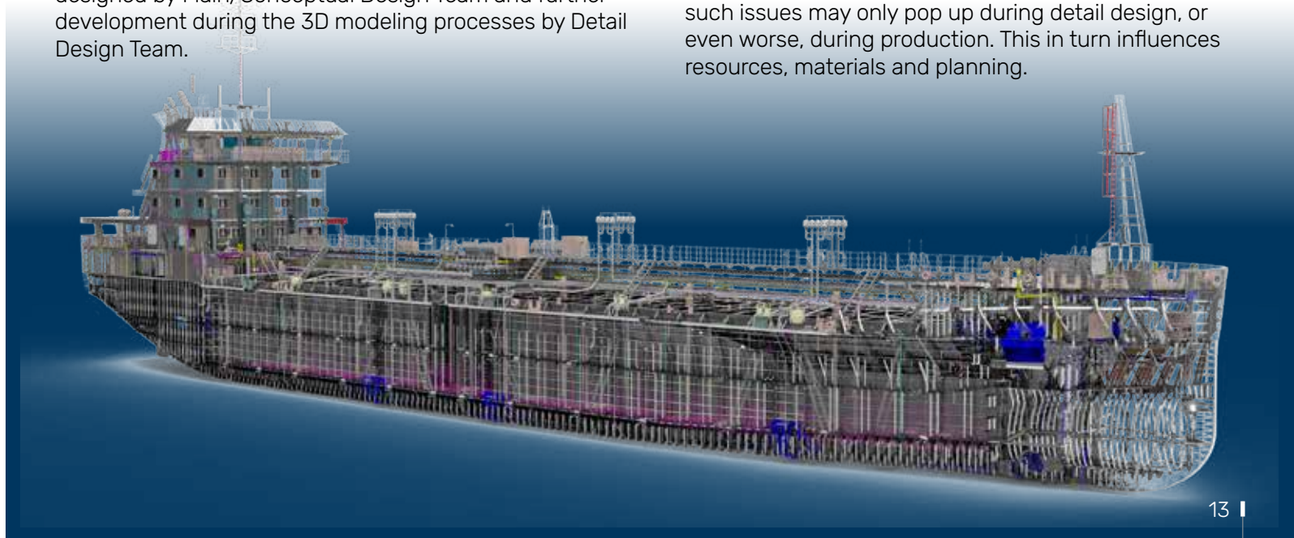
Technical Documentation & Plan Approvals
- General Design
- Hull Structure
- Outfitting & Equipment
- Accommodation
- HVAC & Piping Systems
- Propulsion & Machinery
- Electric & Automation
- Build Specification

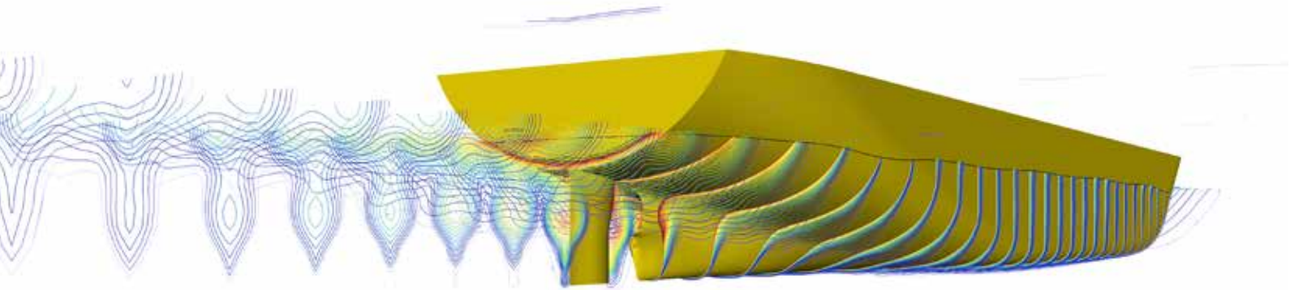
Project & Contract Management
Sea Trials & Delivery
Site Supervision & Inspection/Technical Support

Detailed Design

In order to avoid the afore-mentioned problems, SEFT Engineering employs a novel approach of creating both basic and functional design. The approach, which has become the standard way of working at SEFT Engineering, uses and relies on principle solutions designed by Main/Conceptual Design Team and further development during the 3D modeling processes by Detail Design Team.

Thanks to this approach, SEFT engineers can provide fast and reliable design solutions for cargo vessels, naval vessels, workboats, ferries, mega yachts and offshore vessels.Even though structural 2D plans may be good, the 3D model takes your design to the next level. It allows us to set priorities and take control of the design process from the very beginning. Any issues that may arise can be solved and excluded during early basic 3D design. If you use only a 2D approach, such issues may only pop up during detail design, or even worse, during production. This in turn influences resources, materials and planning.





Initial Design

Initial Design is the stage of be required to meet the features and needs of the conceptual ship design is revealed. Basic philosophy, will emerge in the final characteristics of the ship would have ; to do the design, analysis and testing work will be based on the originally expected.

The stage include to do basic performance predictions such as the creation of ship form, arrest general arrangement compatibility, speed-power, stability, weight, load analysis and cost analysis, prepare sale and presentation documents.

SEFT is assertive about initial design service (Initial design service is the most ambitious service for SEFT). Since 2001, SEFT sign various type and varied features designs which give the chance to develop their experience in this area and demonstrate their ability with conclusions reached.

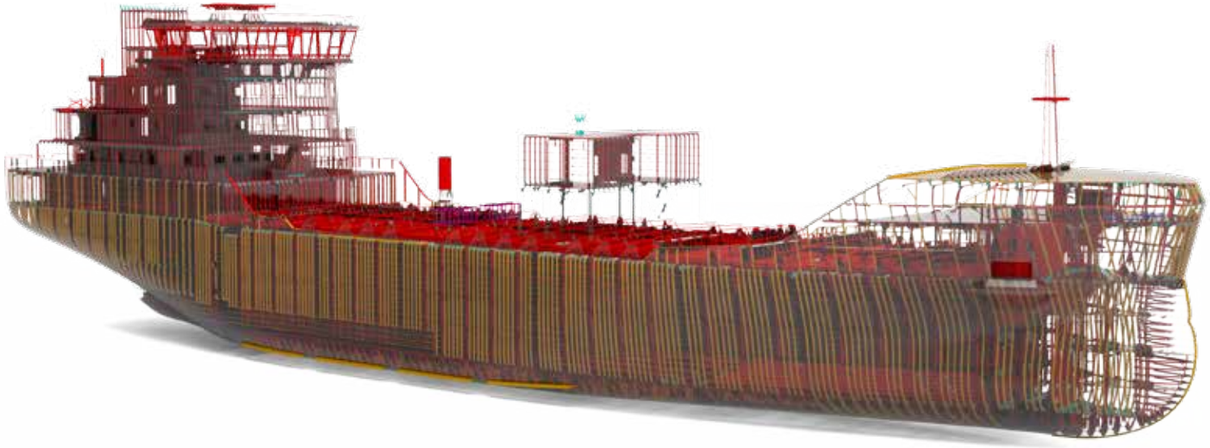
Ship Theory Calculations

- Ship Theory Calculations
- Determining Specifications
- Basic Dimensions/ Design Ratios
- General Arrangement
- Lines and Appendages Plan
- Weight Calculation
- Speed and Power Estimations
- (Preliminary) Electrical Load Analysis
- Hydrostatics and Stability Calculations
- Loadline Calculation
- Tank Definition and Calibration
- Tonnage calculation
- Damage Stability Calculation
- Cost Estimation
- 3D Presentations, Sales Documentation and Data Sheets
- Seft SLS (ship loading software)
- EEDI / EEXI Analysis
- Propeller CFD Analysis
- Energy Saving Device Analysis

SEFT SLS

MAXIMIZE YOUR SPEED & OPTIMIZE YOUR LOAD with "**SEFT - Ship Loading Software**"

While ship-owners and operators are minimizing stress and safety risk, our brand-new software is able to optimize the load with very high calculation speed.



Structural Design & Engineering

Construction Department is responsible for overseeing the physical realization of vessels based on the design specifications. With a focus on precision, quality, and safety, our team manages and coordinates the construction process from material procurement to the final assembly.

- Hull Design
- Main Drawings & Documentations
- Steel Classification Drawings
- 3D Construction Modelling

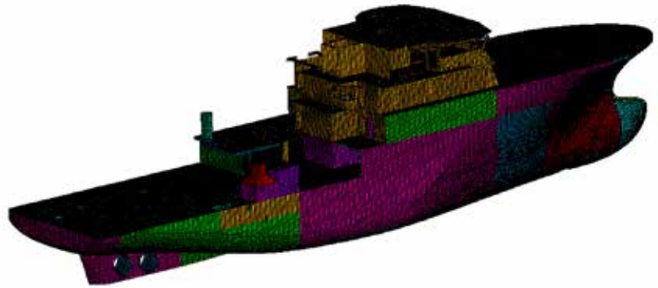
Structural Analysis

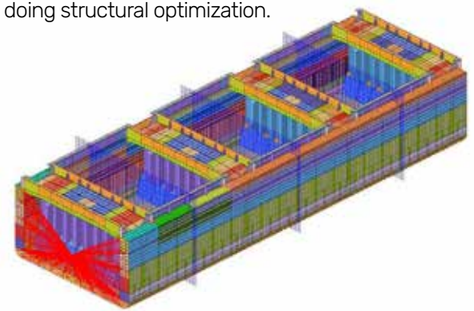
Ship's structural analysis can be performed by using software which based on finite element method. Examining the whole of the ship and particular region is possible by using FE analysis.

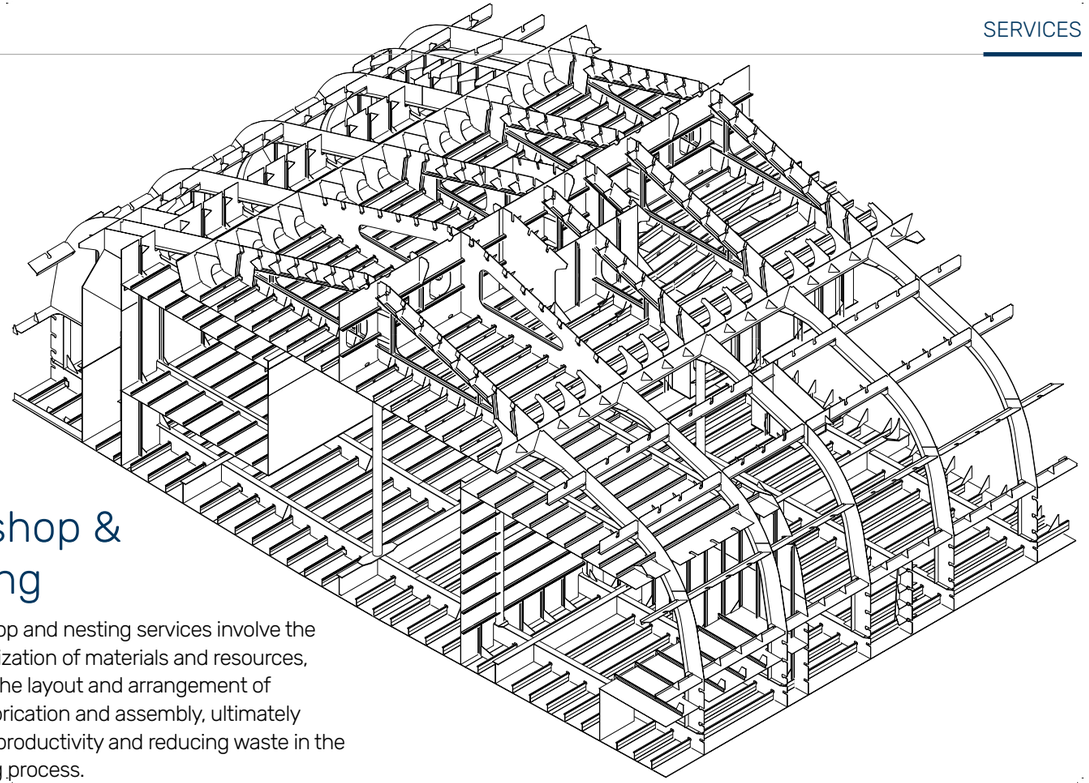
SEFT offer FEA services can be grouped under two main headings:
1. Global Analysis
2. Local Analysis

Global Analysis
First step in the global analysis structural modeling of the vessel to be examined and defining the effect of this structure is to be exposed. Strength analysis is performed under these effects. SEFT target to design more strong, more lightweight structure and easy manufacturing by integrating their strong knowledge and FEA possibilities.

Local Analysis
Beside global analysis we need sensitive analysis at some parts of the ship for some special cases. Details of the model are increased at the area to be examined and then acting forces are defined and analysis is performed.
Stress value of the examined area is obtained and then it provide doing structural optimization.

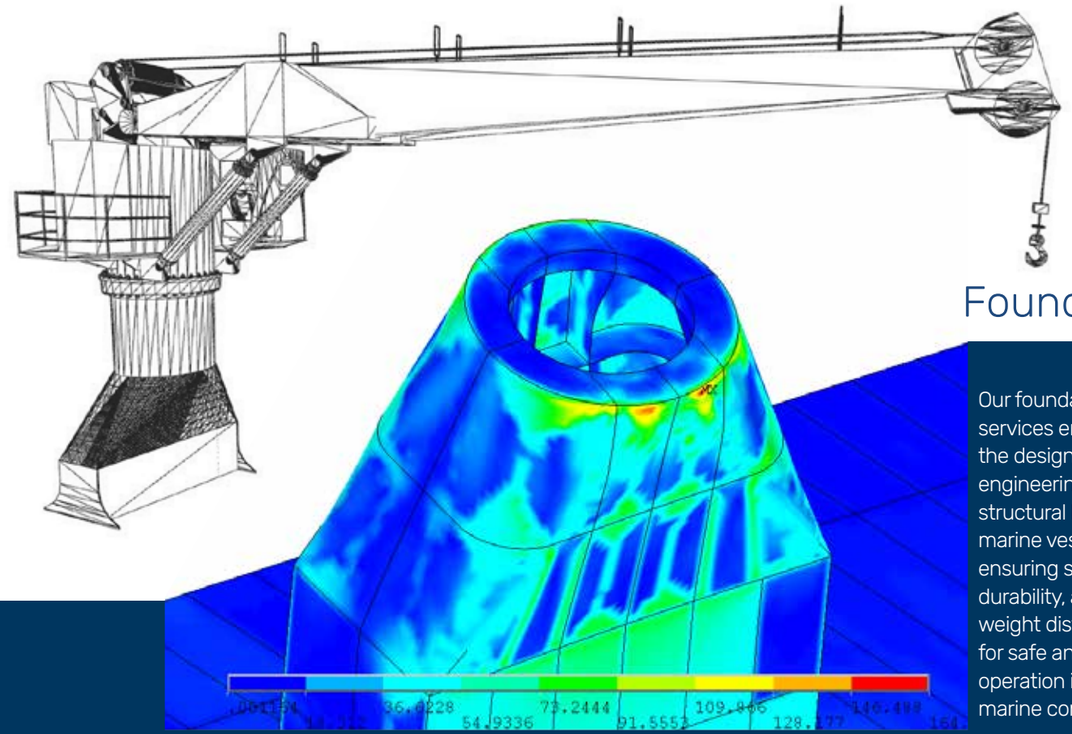






Workshop & Nesting

Our workshop and nesting services involve the efficient utilization of materials and resources, optimizing the layout and arrangement of parts for fabrication and assembly, ultimately enhancing productivity and reducing waste in the shipbuilding process.



Foundation

Our foundation services encompass the design and engineering of the structural base of marine vessels, ensuring stability, durability, and proper weight distribution for safe and effective operation in various marine conditions.

System Design & System Schematics

We specialize in comprehensive system design and schematics, meticulously outlining the integration of various ship systems, ensuring optimal performance, efficiency, and safety across all operational aspects.

3D Piping & Outfitting Model

Through our advanced 3D piping and outfitting models, we provide a detailed visualization of the vessel's piping systems and outfitting components, facilitating accurate planning, installation, and maintenance throughout the ship's lifecycle.

Piping Workshop & Isometric Drawings

Our piping workshop and isometric drawing services involve the creation of detailed technical drawings and plans, enabling precise fabrication, installation, and maintenance of piping systems, ensuring seamless functionality onboard.

Outfitting

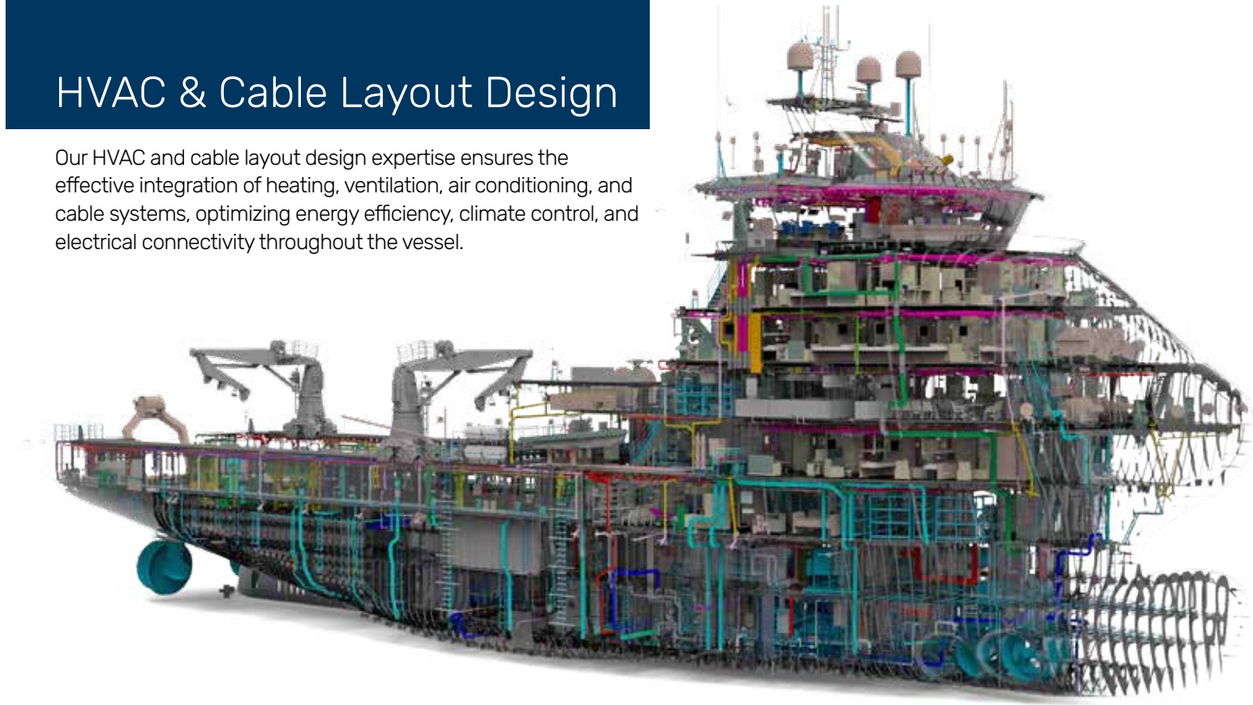
Our outfitting solutions encompass the comprehensive integration of ship components and systems, ranging from accommodation areas to deck machinery, ensuring a harmonious and functional layout tailored to meet specific operational requirements.

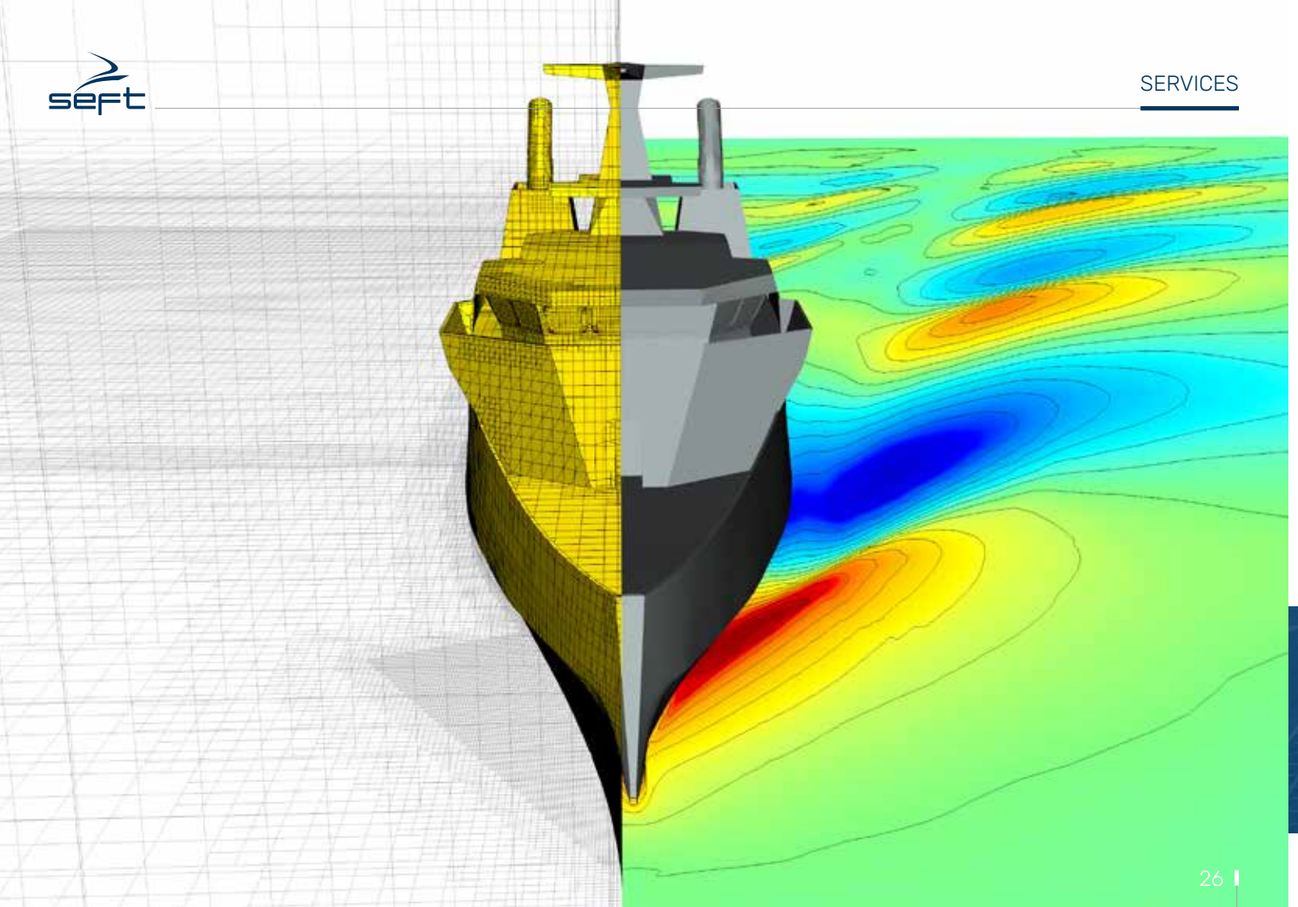
Interior Design

With a focus on aesthetics, functionality, and ergonomics, our interior design services aim to create inviting and efficient living and working spaces within vessels, considering both crew comfort and operational practicality.

HVAC & Cable Layout Design

Our HVAC and cable layout design expertise ensures the effective integration of heating, ventilation, air conditioning, and cable systems, optimizing energy efficiency, climate control, and electrical connectivity throughout the vessel.





02

HOW WE
PROTECT ENVIRONMENT

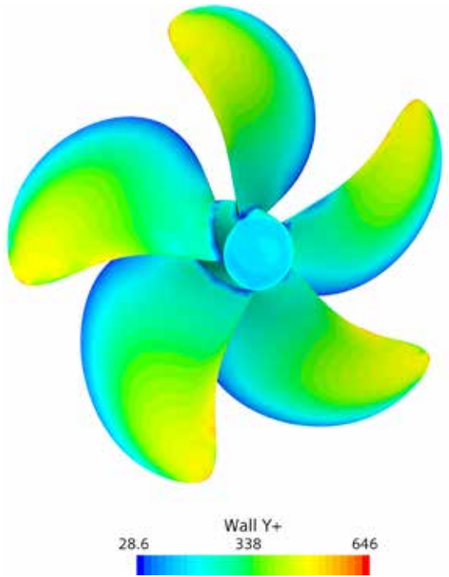
Construction-Process-Detailed-Production Design, Engineering, 3D scanning and creating digital twin services for Industrial Projects.

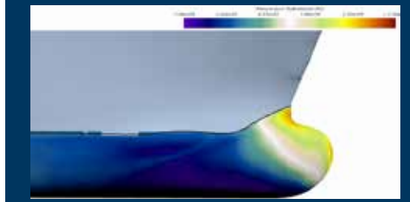
Computational Fluid Dynamics

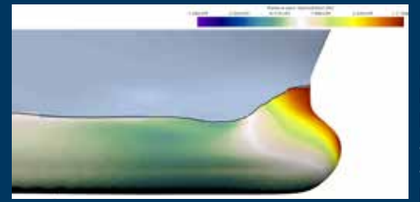
Computational fluid dynamics (CFD) analyses in the marine industry are mostly used to accurately determine the ship's performance which is directly related to form optimization, ship resistance and propulsion systems including the superstructure resistance.

Under favour of CFD software, we can analyze the following:

- Hull form resistance with components
- Waveform around Ship Hull
- Ship Streamlines and Wake Distribution for both ship hull and propeller plane
- Propeller open water and behind-ship condition performance
- Free surface flow characteristics
- Planning hull resistance and propulsion characteristics
- Dynamic behavior of floating vehicles including their trim and sink motions.

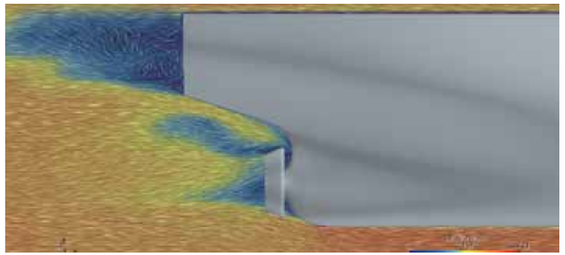


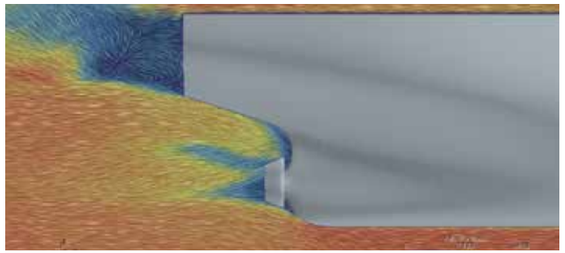


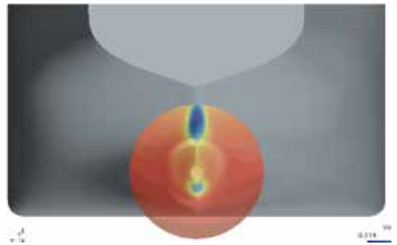


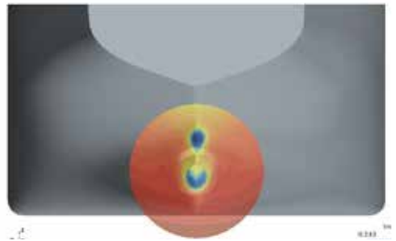
Bulb Optimization

Bulb optimization involves the design and analysis of the bulbous bow to minimize wave-making resistance and improve the overall hydrodynamic performance of the vessel. Through careful shaping and hydrodynamic analysis, we aim to enhance fuel efficiency and maneuverability, ultimately contributing to the vessel's overall performance and operational cost savings.



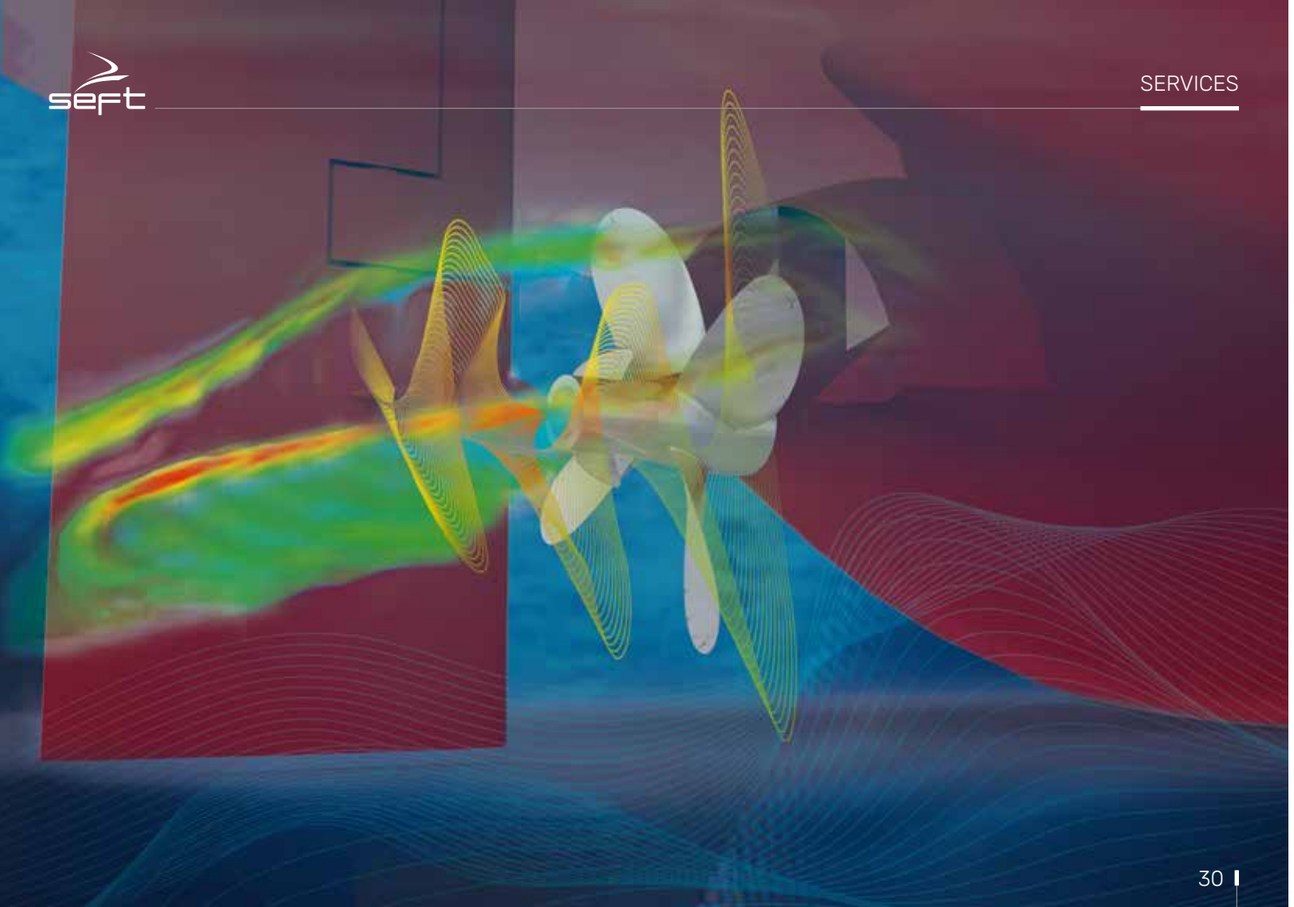






Energy Saving Devices

Our team specializes in the integration of various energy-saving devices such as air lubrication systems, advanced propeller designs, and waste heat recovery systems. By implementing these technologies, we aim to reduce fuel consumption and emissions, ultimately leading to significant operational cost savings and environmental benefits for our clients.

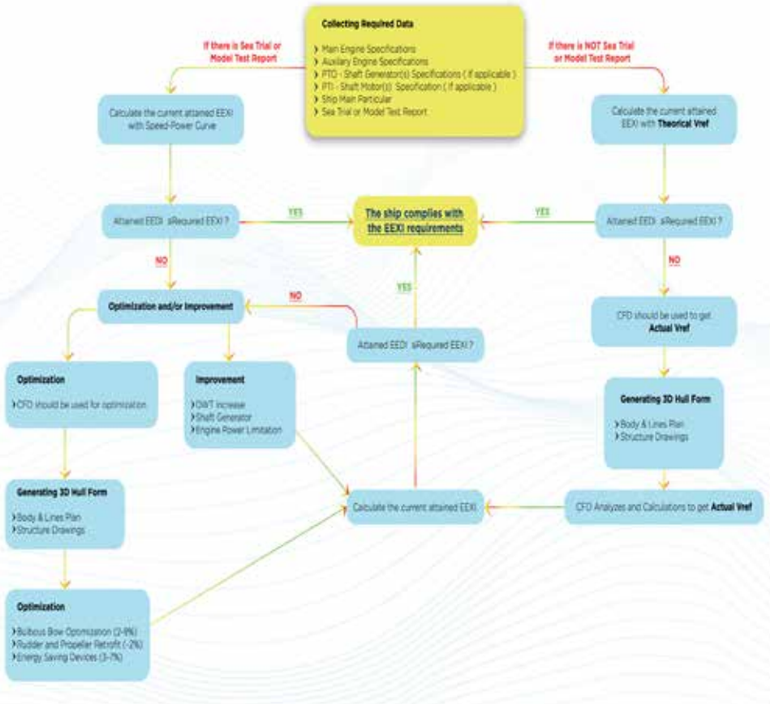


EEDI
(Energy Efficiency Design Index)

We offer expertise in optimizing vessel designs to comply with EEDI regulations, ensuring that new builds meet or exceed the required energy efficiency standards. Our focus includes the use of advanced propulsion systems, innovative hull designs, and energy-efficient machinery to achieve optimal EEDI compliance while maintaining high performance standards.

EEXI
(Energy Efficiency Existing Ship Index)

Our team provides comprehensive EEXI compliance services, offering solutions to enhance the energy efficiency of existing vessels. Through detailed analysis and retrofitting recommendations, we aim to help our clients meet EEXI requirements, ultimately improving the environmental footprint and operational efficiency of their fleets.



BWTS (Ballast Water Treatment System) RETROFIT

BWTS retrofit services involve the installation and integration of advanced systems onto existing vessels to comply with international regulations aimed at preventing the spread of invasive aquatic species through ballast water.

Our comprehensive retrofit solutions ensure seamless integration, minimal downtime, and compliance with all relevant regulations.

We work closely with clients to assess their unique vessel requirements, offering tailored engineering and design services to optimize the installation process and minimize operational disruptions.

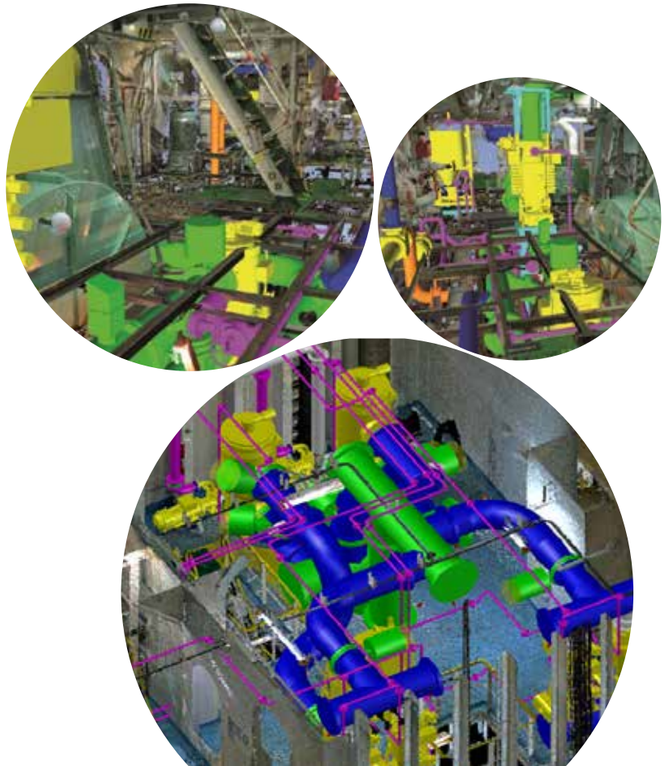
Our expertise in BWTS retrofitting encompasses feasibility studies, detailed engineering, and project management to deliver efficient, compliant, and environmentally responsible solutions.

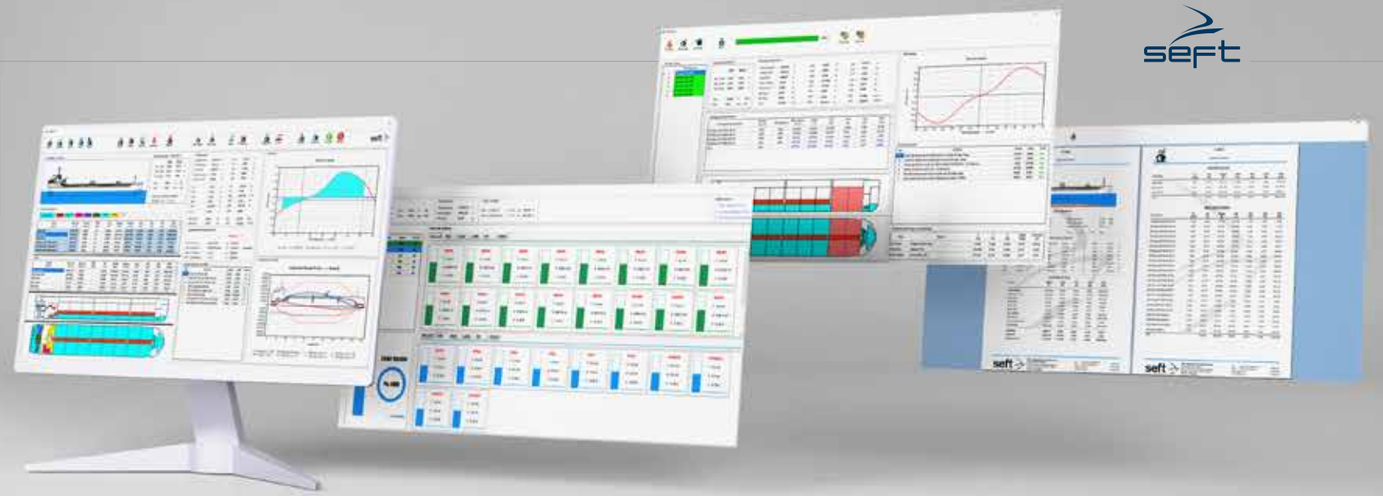
1. Proficient in conducting thorough vessel assessments to determine the most suitable ballast water treatment solutions.

2. Expertise in comprehensive engineering, procurement, and project management services, ensuring seamless retrofit implementation.

3. Commitment to meticulous attention to regulatory compliance, environmental impact, and operational efficiency, guaranteeing vessels meet and exceed international standards.

4. Ensuring client satisfaction and environmental responsibility, setting a benchmark for BWTS retrofit excellence in the maritime industry.





Functions of the Loading Instrument:

- Loading conditions
- Intact Trim & Stability
- General Stability Criteria
- Severe Wind Stability
- Longitudinal Strength
- Air Drafts, Drafts at marks/perpendiculars
- Bridge Visibility
- Propeller Immersion
- Deadweight Break Down
- General Cargo Loading
- On Deck Cargo Loading
- Damaged Conditions
- Damaged Trim & Stability
- Grain Stability

MAXIMIZE YOUR SPEED and OPTIMIZE YOUR LOAD with **SEFT Loading Software**

While ship-owners and operators are minimizing stress and safety risk, our brand-new software is able to optimize the load with very high calculation speed.

General capabilities of the software

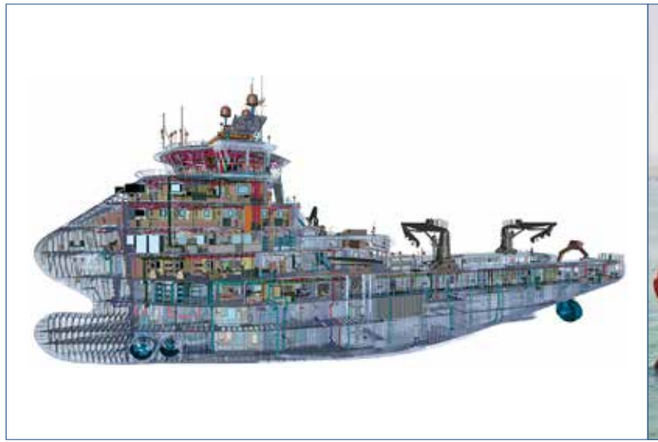
- Graphical interface enables the users to learn easily.
- High performance loading, solving and reporting of both intact and damage conditions
- Compact view to see all inputs and results in single screen
- Interfaces for online tank loading and capable to prepare tank loading sketches
- Detailed longitudinal strength reporting and draught survey
- Easy to download from a link provided and to install the software
- Capable of handling all types of cargo vessels (Oil / Chemical / LPG Tankers, Bulk / Cement Carriers, General Cargo Vessels, etc.)
- General Cargo, Dry Cargo and Grain Modules

03 HOW WE SIMULATE

Providing engineering and operational expertise to support new building, repairs and conversion projects to meet the needs of the shipping, offshore and defence industries.

DIGITAL TWIN: NEW BUILDING

The digital twin technology provides significant advantages in new shipbuilding processes, from the design phase to production and delivery. Detailed simulations and data analysis enable making informed design decisions and addressing potential errors in advance. This reduces construction costs while saving time. Moreover, it enhances the ship's performance and reliability during the operational phase, leading to long-term benefits



DIGITAL TWIN: EXISTING VESSEL

Digital twin solutions for existing vessels help enhance operational efficiency and reduce maintenance costs. Real-time data analysis allows continuous monitoring of the vessel's condition and timely interventions. This prolongs the vessel's lifespan, lowers operating costs, and improves reliability.

DIGITAL TWIN: CFD & FEA

Supported by Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA), the digital twin technology offers a detailed examination in ship design. These analyses simulate the ship's hydrodynamic performance, structural strength, and behavior in various sea conditions. Consequently, the ship's design is optimized, performance is enhanced, and fuel efficiency is achieved.

DIGITAL TWIN: EXTERIOR DESIGN

The digital twin technology in exterior ship design blends aesthetics and functionality to provide unique solutions. Considering factors like optimizing aerodynamic features, enhancing on-sea performance, and reducing fuel consumption, it results in a perfect exterior design. This increases the ship's competitiveness and mitigates environmental impacts.

04 HOW WE SUPPORT

Providing engineering and operational expertise to support new building, repairs and conversion projects to meet the needs of the shipping, offshore and defence industries.

COLABORATION

Partnerships are key to real changes

No one can do everything alone. In a world that is becoming increasingly complex, it is important for us to seek out partners and initiatives that can help develop new and better solutions.

We have a long history of partnerships and are currently forming many new ones aimed at supporting our industry.

We work with universities, yards, shipowners, energy companies, customers, tech companies, start-ups, suppliers and competitors to transform our industry and our business to a more sustainable one.

CONSULTANCY

SEFT offers professional ship design, engineering solutions, docking, newbuilding, repair / maintenance and conversion services since 2001 in cooperation with both shipbuilders and shipowners. We have a strong and experienced team consisting of naval architects and marine engineers, marine chief engineers, project managers, designers.

Our design team is experienced in supporting shipyards all over the world. We help clients with site layout plans, market research, surveys, and commercial & technical advice for any type of shipyard.

05 PORTFOLIO DESIGNS

Providing engineering and operational expertise to support new building, repairs and conversion projects to meet the needs of the shipping, offshore and defence industries.

Cargo Vessel

SEFT excels in designing a wide range of CARGO VESSELS with various capacities and features. Under the category of CARGO VESSELS, we present diverse designs tailored to meet our clients' needs. Each project incorporates the latest technology and engineering principles, ensuring optimized cargo capacity and reliability.

Whether it's dry cargo vessels, container carriers, or roll-on/roll-off ships, our ship design team leverages their expertise to deliver innovative solutions that align with the industry's requirements. Every design is meticulously crafted to meet quality standards and exceed our clients' expectations. In the category of CARGO VESSELS, we bring together aesthetics, functionality, and engineering excellence in every ship design.

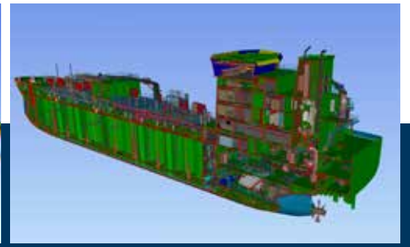
With our extensive experience in the CARGO VESSELS category, we maintain our leadership position in the industry.

Tankers

SEFT takes pride in its expertise in designing a wide range of Tankers, demonstrating a strong emphasis on innovation and cutting-edge design. Under the category of TANKERS, we offer a diverse portfolio of projects that cater to various capacities and specialized requirements. Our team combines advanced engineering techniques with creative design concepts to deliver TANKERS that excel in both efficiency and aesthetics.

Whether it's crude oil tankers, chemical tankers, or LNG carriers, our designs prioritize safety, environmental sustainability, and optimal performance. We leverage our in-depth knowledge of industry regulations and emerging trends to create TANKERS that meet and exceed the expectations of our clients.

With a focus on superior craftsmanship and attention to detail, our TANKER designs are crafted to maximize cargo capacity, streamline operations, and ensure smooth voyages. With our innovative approach and commitment to excellence, we continue to push boundaries in the field of TANKER design.



Naval Vessels

SEFT specialize in the design and engineering of cutting-edge NAVAL VESSELS that meet the demanding requirements of modern naval operations.

Our designs are tailored to support naval forces across a wide range of missions, including defense, surveillance, patrol, maritime security, and humanitarian assistance. We collaborate closely with naval authorities and defense organizations to understand their specific needs and incorporate the latest technological advancements into our designs.

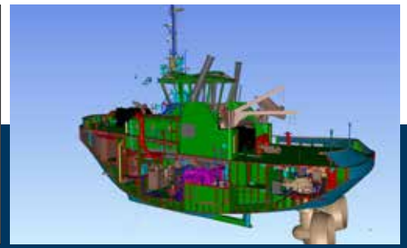
Our NAVAL VESSELS are designed to excel in complex naval operations, including anti-submarine warfare, anti-air warfare, submarine rescue, rescue and towing, mine countermeasures, and amphibious operations. We integrate advanced sensor and communication systems, state-of-the-art weaponry, and stealth capabilities to ensure mission success and operational effectiveness. Our vessels are equipped with sophisticated command and control systems, enabling seamless coordination with other units and forces in a joint operational environment.

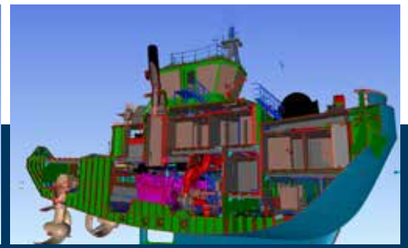
Offshore Vessels & Tugs

As SEFT, we specialize in the design of Offshore Vessels & Tugs that are tailored to meet the unique demands of the offshore industry. Under the category of OFFSHORE VESSELS & TUGS, we offer an extensive range of projects that encompass versatile vessels designed for offshore support, anchor handling, and towing operations. Our designs prioritize safety, efficiency, and versatility to ensure optimal performance in challenging offshore environments.

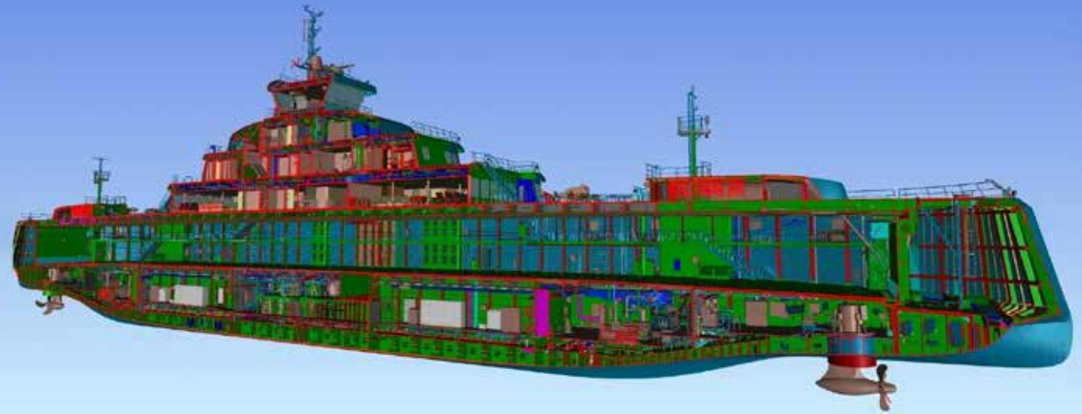
Whether it's platform supply vessels, anchor handling tugs, or crew transfer vessels, our designs integrate state-of-the-art technology and innovative solutions to meet the diverse needs of our clients. We understand the critical role these vessels play in supporting offshore operations, and our experienced team works closely with clients to provide customized designs that maximize operational capabilities.

With a focus on reliability, functionality, and adherence to industry standards, our OFFSHORE VESSELS & TUGS are engineered to deliver outstanding performance and contribute to the success of offshore projects.





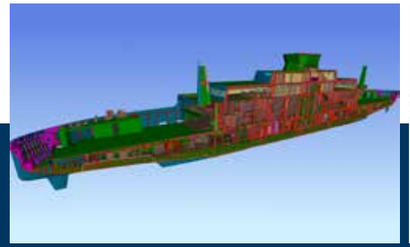
Ferries & Passenger Vessels



At our design office, we specialize in crafting exceptional FERRIES & PASSENGER VESSELS that prioritize comfort, safety, and efficiency. Within the category of FERRIES & PASSENGER VESSELS, we offer a diverse range of projects that cater to various passenger transportation needs. Our designs are meticulously developed to provide a seamless and enjoyable experience for passengers, whether it's for short-distance commuting or long-distance travel. We understand the importance of creating spaces that are not only aesthetically pleasing but also functional, offering a smooth flow of passengers and providing comfortable amenities.

From high-speed ferries to luxurious cruise ships, our designs are characterized by innovative layouts, advanced propulsion systems, and state-of-the-art safety features. We prioritize sustainability by integrating eco-friendly technologies and materials into our designs, minimizing environmental impact. With our in-depth knowledge of passenger vessel regulations and industry trends, our team delivers customized solutions that exceed client expectations.

With our FERRIES & PASSENGER VESSELS, we aim to redefine the travel experience, combining exceptional design with uncompromising quality.



Yatchs

At our ship design office, we specialize in creating exquisite Yachts that embody luxury, elegance, and exceptional craftsmanship. Within the category of YACHTS, we offer a wide range of projects that cater to the discerning tastes of yacht enthusiasts.

Our designs blend timeless aesthetics with state-of-the-art technology, ensuring a seamless fusion of beauty and performance. Whether it's motor yachts, sailing yachts, or superyachts, our designs are characterized by meticulous attention to detail, creating bespoke spaces that exude opulence and comfort.

We work closely with clients to understand their unique preferences, incorporating custom features and amenities that reflect their personal style. From spacious and well-appointed cabins to cutting-edge entertainment systems, every element of our yacht designs is thoughtfully curated to provide an unparalleled onboard experience.

Our team of experienced designers, naval architects, and engineers collaborate to create yachts that offer exceptional stability, maneuverability, and fuel efficiency. With a commitment to sustainability, we also integrate eco-friendly technologies to minimize the environmental impact of our yachts. With our Yachts, we aim to exceed the expectations of even the most discerning yacht enthusiasts, providing a truly extraordinary and unforgettable yachting experience.

Unmanned Vessels

SEFT is at the forefront of innovation in the development of Unmanned Vessels, revolutionizing the maritime industry with autonomous and remotely operated technologies. Our designs embody the future of maritime operations, offering unmanned solutions that provide cost-effective, efficient, and safe alternatives for various applications.

Our Unmanned Vessels are designed to perform a wide range of missions, including surveying, data collection, environmental monitoring, and offshore operations. These vessels are equipped with advanced navigation systems, sensors, and communication technologies that allow for remote control or autonomous operation. We prioritize safety and reliability, incorporating redundant systems, and fail-safe mechanisms to ensure the safe operation of unmanned vessels.

Our experienced team of naval architects and engineers work collaboratively to design unmanned vessels that meet specific mission requirements. We leverage cutting-edge technologies such as artificial intelligence, machine learning, and advanced robotics to optimize the performance and capabilities of these vessels.

With our Unmanned Vessels, we are driving the transformation of the maritime industry, offering innovative solutions that enhance efficiency, reduce costs, and minimize environmental impact. We are proud to be pioneers in the development of unmanned technologies, shaping the future of maritime operations.

Research Vessels

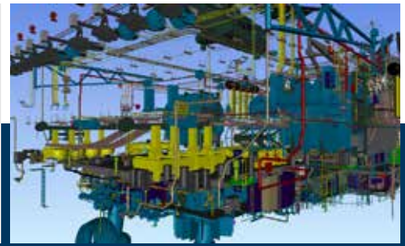
"RESEARCH VESSELS" play a crucial role in advancing scientific exploration and discovery, and at our ship design office, we take pride in our expertise in designing state-of-the-art Research Vessels.

Our designs are tailored to meet the unique needs of scientific research expeditions, offering cutting-edge facilities and equipment to support a wide range of scientific disciplines. From oceanography and marine biology to geology and climate research, our RESEARCH VESSELS are equipped to facilitate comprehensive data collection and analysis.

We collaborate closely with research institutions and scientists to understand their specific requirements, ensuring that our designs provide optimal functionality, safety, and efficiency. We incorporate advanced laboratory spaces, specialized sampling and research equipment, and state-of-the-art communication systems into our designs. With a focus on sustainability, we prioritize the integration of eco-friendly technologies and energy-efficient systems to minimize our environmental impact.

Our experienced team of naval architects and engineers ensures that our Research Vessels are designed to withstand the rigors of challenging marine environments, offering stability, maneuverability, and long-term reliability.

With our Research Vessels, we aim to provide the scientific community with the tools and platforms necessary to push the boundaries of knowledge and contribute to the advancement of scientific research and discovery.



Floating Dock

At our ship design office, we specialize in designing state-of-the-art Floating Docks that provide versatile and efficient solutions for ship repair and maintenance.

Our Floating Docks are custom-engineered to meet the specific requirements of each project, offering a reliable and secure platform for vessel docking and servicing.

With a focus on functionality, safety, and durability, our Floating Docks are designed to withstand the harsh marine environment and provide a stable and controlled working environment. We incorporate advanced technologies and innovative features to streamline the docking process, ensuring efficient turnaround times for vessel repairs and maintenance.

Our team of experienced engineers and naval architects collaborate closely with clients to develop Floating Docks that optimize space, offer flexibility in accommodating various vessel sizes, and integrate essential infrastructure such as cranes, workshops, and utilities. We prioritize environmental sustainability by incorporating eco-friendly materials and energy-efficient systems in our Floating Dock designs.

With our Floating Docks, we aim to provide shipyards and ports with cutting-edge solutions that enhance operational efficiency and contribute to the success of vessel repair and maintenance operations.

A NEW PERSPECTIVE OF INNOVATIVE ENGINEERING

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