



**GNY**

Beyond The Horizon

# WHO WE ARE

With over 30 years of expertise in shipbuilding and ship design, we deliver exceptional services by combining experience with innovative technology. As GNY Ship, our dynamic team develops cutting-edge solutions in ship engineering, utilizing the latest advancements to exceed expectations. We ensure sustainable success for our partners through reliability, quality, and excellence—setting sail together beyond the horizon.



30+  
Years



Experience



Global  
Reach



Advanced  
Tech



Innovation  
Focus



International  
Standards



# OUR VISION & MISSION

## Our Vision

To be a globally recognized leader in marine engineering, setting industry standards through innovation, technological excellence, and sustainable maritime solutions that shape the future of Marine Engineering.

## Our Mission

To deliver exceptional marine engineering services by combining three decades of maritime expertise with cutting-edge technology. We exceed client expectations through reliability, quality excellence, and sustainable partnerships.



### EXCELLENCE

Striving for the highest standards in every project



### INNOVATION

Embracing new technologies and creative solutions



### SUSTAINABILITY

Ensuring long-term environmental responsibility



### RELIABILITY

Building trust through consistent quality delivery



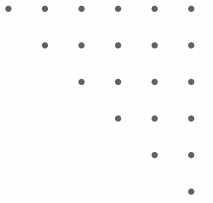
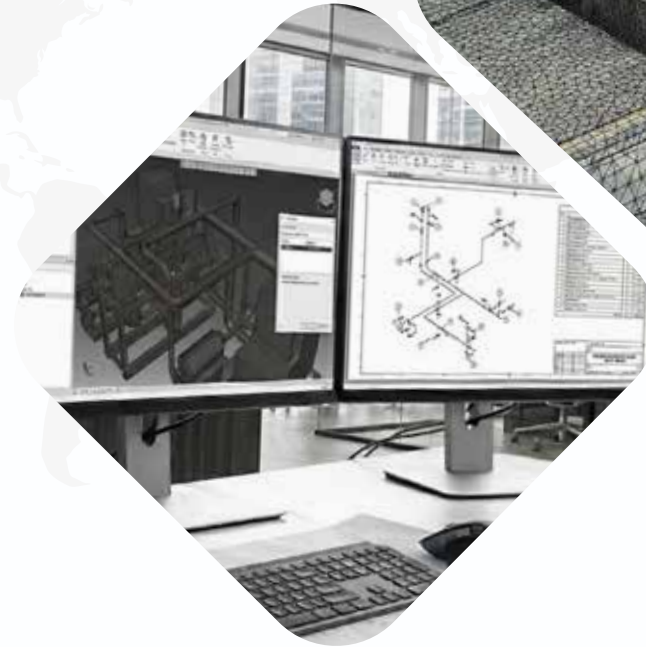
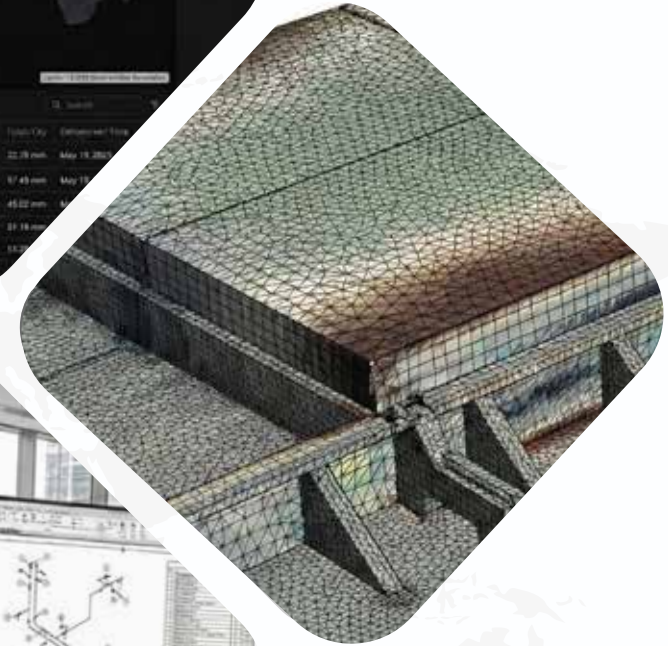
### PARTNERSHIP

Lasting client relationships

# OUR SERVICES

GNY Ship offers comprehensive maritime engineering solutions tailored to meet the evolving needs of ship owners and operators. Our integrated service portfolio combines technical expertise, innovative technology, and industry best practices

- ✓ **Naval Architecture & Marine Engineering**  
Complete engineering support from concept to delivery, including structural analysis, system integration, and construction supervision.
- ✓ **Advanced Engineering**  
Innovative vessel designs optimized for performance, efficiency and regulatory compliance using advanced technologies
- ✓ **Software Solutions**  
Custom maritime engineering, enterprise software development for fleet management, maintenance systems, operational systems, loading systems, and operational efficiency



# OUR SERVICES

- ✓ **Technical Consulting**  
Expert advisory services for new builds, conversions, retrofits, and regulatory compliance matters.
- ✓ **Non Destructive Testing (NDT) Services**  
Non-destructive testing and inspection services including ultrasonic testing, magnetic particle inspection, and radiographic examination for hull integrity and component assessment.
- ✓ **System Integration & Support**  
Comprehensive onboard integration services for maritime software systems, including installation, configuration, testing, and crew training. We provide ongoing technical support and maintenance to ensure seamless operation of all implemented solutions



# NAVAL ARCHITECTURE & MARINE ENGINEERING

Our shipbuilding engineering services encompass the entire vessel construction process, from initial feasibility through to delivery.

## Design Phases

- Concept Design: Feasibility studies and specifications
- Basic Design: General arrangement and lines plan
- Detail Design: Complete construction drawings
- Regulatory Compliance: Classification approval

## Key Capabilities

- Structural design and finite element analysis (FEA)
- Production engineering and construction planning
- Shipyard technical supervision and quality control
- Material specification and procurement support
- Hull and outfitting engineering coordination
- System integration and commissioning support
- Sea trial planning and performance verification
- Documentation and certification assistance

# ADVANCED ENGINEERING

Our advanced engineering services leverage computational tools and decades of maritime expertise to create optimized vessel designs

## Design & Analysis Services

- **Hydrodynamic Analysis**

CFD simulations for hull optimization and performance prediction

- **Stability Analysis**

Comprehensive stability calculations and damage scenarios

- **Structural Analysis**

FEA modeling for hull strength and scantling optimization

- **Propulsion Engineering**

Main engine selection and propeller design optimization

- **Energy Efficiency Optimization**

Performance prediction and fuel consumption analysis

# NON-DESTRUCTIVE TESTING (NDT)

Comprehensive inspection and integrity assessment solutions utilizing advanced NDT technologies to ensure safety and compliance.

## Testing Methods

- **Ultrasonic Testing (UT)**

Thickness measurements, weld inspections, corrosion detection

- **Magnetic Particle Inspection (MPI)**

Surface crack detection in ferromagnetic materials and welds

- **Radiographic Testing (RT)**

X-ray and gamma-ray inspection of welds and internal structures

- **Liquid Penetrant Testing (PT)**

Surface crack detection on non-porous materials

- **Visual Inspection (VI)**

Comprehensive examination of hull structures and coatings

- **Eddy Current Testing (ECT)**

Defect detection in conductive materials and heat exchangers

## Additional Services

- Hull integrity assessment and structural surveys
- Classification society and flag state inspection support

# TECHNOLOGY & INNOVATION

At GNY Ship, the future of maritime engineering lies in seamless integration of traditional expertise with cutting-edge technology.

## Technological Capabilities

- **Vessel-Specific Efficiency Software**

Tailored solutions to optimize fuel consumption and performance

- **Advanced CAD/CAE Systems**

3D modeling, parametric design, and simulation tools

- **Computational Fluid Dynamics (CFD)**

Hull form optimization and performance prediction

- **Finite Element Analysis (FEA)**

Structural optimization and strength verification

- **Digital Twin Technology**

Virtual vessel modeling for performance monitoring

- **Custom Software Development**

Tailored maritime applications and management systems

- **AI & Machine Learning**

Predictive analytics for maintenance and operational efficiency

# WHY CHOOSE GNY SHIP

Our unique combination of deep maritime expertise, innovative technology, and client focused approach sets us apart in the industry.

## COMPETITIVE ADVANTAGES



### **30+ Years of Excellence**

Proven track record in shipbuilding and management



### **Dynamic Team**

Fresh perspectives with experienced leadership



### **Quality Assurance**

Rigorous quality control and international standards



### **Client-Centric Focus**

Tailored solutions for specific requirements



### **Innovation-Driven Approach**

Cutting-edge technology integration



### **Cost Efficiency**

Optimized designs delivering long-term value



### **Sustainable Solutions**

Environmentally responsible approaches

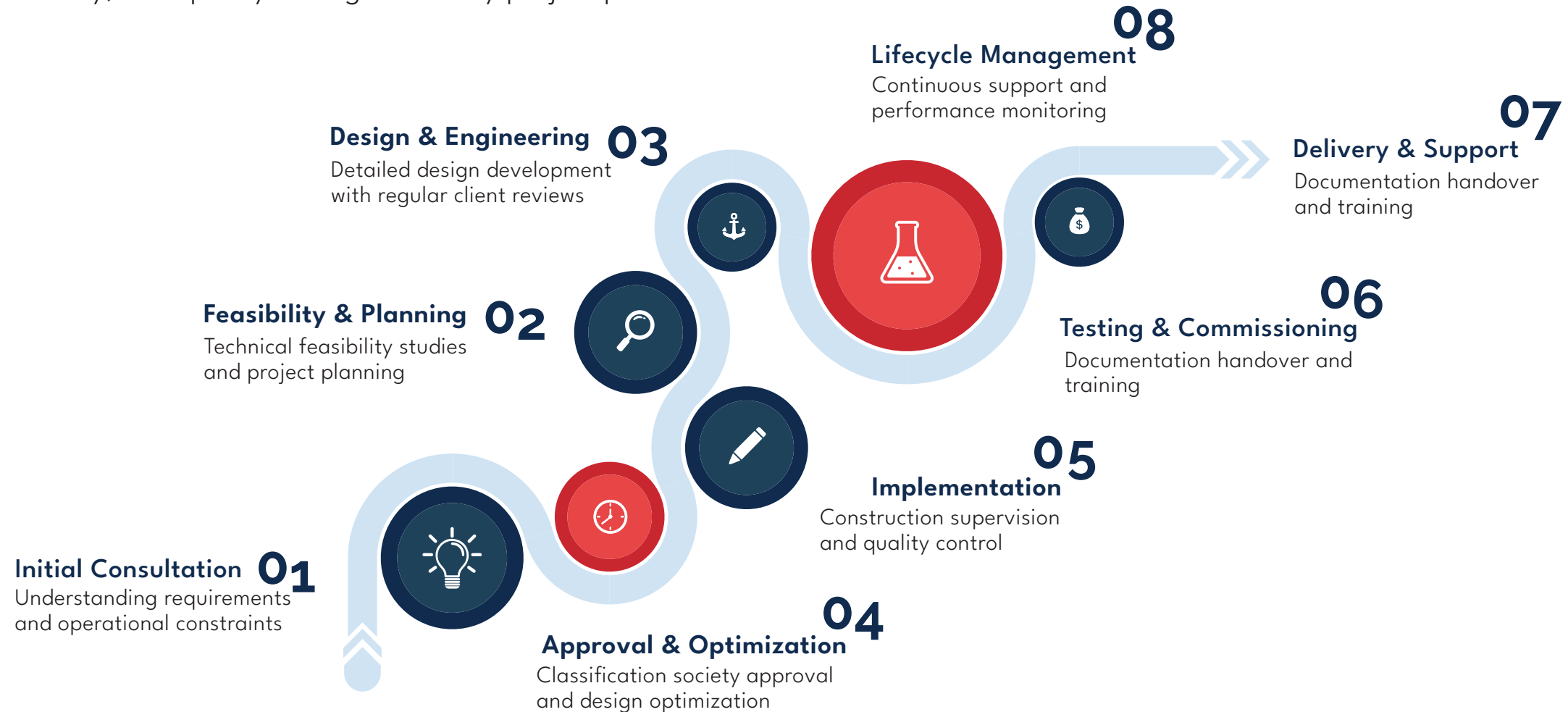


### **Comprehensive Services**

Full-spectrum solutions from design through operation

# OUR WORKING PROCESS

We follow a structured, client-focused approach ensuring transparency, efficiency, and quality throughout every project phase.



# PROJECTS & REFERENCES

Over three decades, GNY Ship has successfully delivered numerous projects across various vessel types and maritime sectors.

## BULK CARRIERS & GENERAL CARGO VESSELS ✓

Design, construction supervision, and optimization

## CONTAINER SHIPS & FEEDER VESSELS ✓

Naval architecture and structural engineering

## TANKERS ✓

Oil, chemical, and product carriers

## OFFSHORE SUPPORT VESSELS ✓

Platform supply vessels and specialized offshore units



## ✓ TUGBOATS & HARBOR SERVICE VESSELS

Port operations and marine services

## ✓ FISHING VESSELS & RESEARCH SHIPS

Specialized design for fishing and scientific operations

## ✓ PASSENGER FERRIES & RO-RO VESSELS

Passenger safety and vehicle transportation

## ✓ VESSEL CONVERSIONS & LIFE EXTENSION

Modernization and lifecycle management projects

References and detailed case studies available upon request.



# OUR TEAM

GNV Ship's greatest asset is our talented team of maritime professionals combining experienced naval architects and engineers with innovative talent.

## NAVAL ARCHITECTS

Experienced designers with expertise in all vessel types

## STRUCTURAL ENGINEERS

Experts in ship structures and FEA analysis

## PROJECT MANAGERS

Professionals skilled in complex maritime projects

## SOFTWARE DEVELOPERS

Technical specialists creating custom maritime applications

## TECHNICAL SUPERINTENDENTS

Experienced sea-going engineers providing practical insights

## QUALITY CONTROL SPECIALISTS

Ensuring compliance and excellence in all deliverables

## PROFESSIONAL DEVELOPMENT

We invest continuously in our team's professional development through training programs, industry conferences, and technology workshops. Our collaborative culture encourages knowledge sharing, creative problem-solving, and continuous improvement

# SOFTWARE & DIGITAL SOLUTIONS

Customized software solutions designed specifically for maritime operations, enhancing efficiency and performance

## Software Services

- **Fleet Management Systems**

Comprehensive fleet tracking and performance monitoring

- **Loading Systems**

Optimized cargo loading calculations and stability

- **Operational Systems**

Real-time operational efficiency monitoring

- **Maintenance Management**

Preventive maintenance scheduling and tracking

- **Performance Analytics**

Data-driven insights for vessel optimization

## Integration & Support

- Comprehensive onboard system installation
- Configuration and testing services
- Crew training and user support
- Ongoing technical support and maintenance



# QUALITY & STANDARDS

GNY Ship maintains the highest standards of quality assurance and regulatory compliance across all operations

## Quality Assurance

- Rigorous quality control processes at every stage
- Compliance with international maritime standards
- Regular audits and continuous improvement
- Documentation and traceability systems



### Classification Societies

Working with all major classification societies



### International Maritime Organization (IMO)

Full compliance with IMO regulations



### Flag State Requirements

Meeting all flag state technical requirements



### Environmental Standards

MARPOL and environmental protection compliance

# THANKS

We welcome the opportunity to discuss your maritime engineering needs and explore how GNY Ship can contribute to your success.

## CONTACT DETAILS

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## CONNECT WITH US

Stay connected for the latest updates on maritime technology, industry insights, and GNY Ship news.

*We look forward to partnering with you on your next project.*

