



HARDDOCKS

Marine Technical Consultancy



HARDDOCKS

Marine Technical Consultancy



Dynamic Engineering,
Confident Mastery.

HEAD OFFICE

Kaynarca Neighborhood,
Karadeniz Avenue No: 1A,
Pendik, 34890 Istanbul,
Türkiye

COMMERCIAL OFFICE

Istmarina Residence, B Block (S2
Tower), Flat: 289 No: 147, Ankara
Avenue, Kordonboyu Kartal,
Istanbul ZIP: 34860, Türkiye



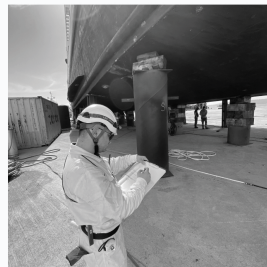
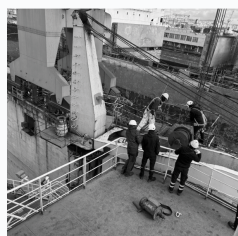
www.harddocks.com info@harddocks.com technical@harddocks.com +90 546 767 61 08

2026



Contents Overview

01	About Us
02	Vision & Mission
03	Why Harddocks?
05 - 06	General Services
07 - 08	Turnkey Project Solutions
09	Survey, Classification & Technical Inspections
10	Structural and P&ID Design
11	Machinery Overhaul & Advanced Repair Services
12	Auxiliary Systems Upgrade & Optimization
13 - 14	Propulsion and Power Transmission Systems
15 - 16	Spare Parts Supply & Custom Manufacturing
17	Pre-Dock Control & Readiness



About Us



HARDDOCKS is based in the heart of Turkish shipbuilding and repair in Istanbul/Tuzla.

We are a team of naval architects, marine engineers, and experienced technicians holding Seaman's Books and visas from multiple countries, which enables us to perform embarkation and provide comprehensive technical consultancy, supervision, survey, design, and project management services to vessels underway worldwide in full compliance with IACS member classification societies.

Vision & Mission

Our mission is to deliver safe, high-quality technical solutions with speed and precision, recognizing time as the most critical asset in maritime and logistics operations.

Our vision is to contribute to a sustainable future by developing innovative, environmentally conscious, and lasting solutions. We regard minimizing environmental impact and supporting the preservation of the world's oceans as a fundamental responsibility in every project we undertake.



Why HARDDOCKS?

HARDDOCKS does not believe in a single path to a solution.

We approach projects and procurement through multiple analytical perspectives, evaluating alternatives to determine the most effective and responsible way forward. When required, we act decisively on site, on time, and with purpose to maintain control and deliver results.

By combining engineering discipline with financial strategy, we focus not only on technical accuracy, but on real value creation. Time efficiency, cost awareness, and investment performance are embedded in every decision.

HARDDOCKS maintains full ownership of the process, from decision-making to execution and delivery, ensuring clarity, accountability, and control.

In maritime and logistics, time defines safety, continuity, and profitability. HARDDOCKS integrates this reality into every engagement, delivering not just technical solutions, but partnerships that protect time, optimize cost, and strengthen returns.

HARDDOCKS engineers with purpose, manages financial strategy, and gives time back because it is the greatest asset.



Arctic
Ocean

Worldwide Partner In Marine Technical Solutions



Black Sea Region



Northern &
Western Europe
Region



South & North
America Region



Caspian Sea



Mediterranean
Region



Middle East &
Arabian Gulf
Region – Port
of Dubai,
United Arab
Emirates



Africa Region

North
Pacific
Ocean

North
Pacific
Ocean

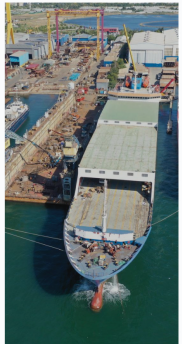
South
Atlantic
Ocean

South
Pacific
Ocean

ANTARCTICA

General Services

01



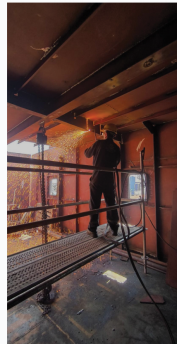
**Turnkey
Project
Solutions**

02



**Survey,
Classification
& Technical
Inspections**

03



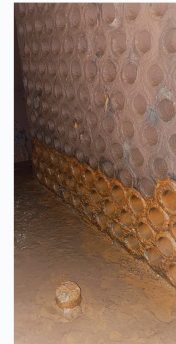
**Structural and
P&ID Design**

04



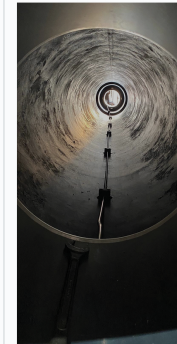
**Machinery
Overhaul &
Advanced Repair
Services**

05



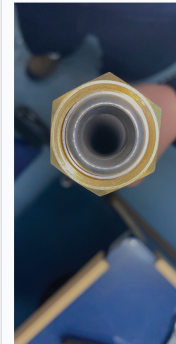
**Auxiliary Systems
Upgrade &
Optimization**

06



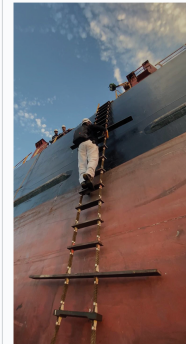
**Propulsion and
Power
Transmission
Systems**

07



**Spare Parts
Supply & Custom
Manufacturing**

08



**Pre-Dock Control
& Readiness**

Turnkey Project Solutions

HARDDOCKS delivers class approved turnkey projects by managing every stage from initial planning and engineering through execution, commissioning and final delivery. Depending on project requirements, our team can join the vessel while underway and remain on board throughout the project without disrupting the vessel's navigation or operational continuity.

Each project is planned and managed as a complete lifecycle, with a strong focus on time efficiency, cost control, and technical

compliance. By coordinating every stage under a single point of responsibility, HARDDOCKS consistently achieves significant advantages in both schedule and budget performance.

Through this integrated approach, HARDDOCKS ensures that every project is completed not only in full compliance with class requirements, but also with maximum operational and financial efficiency.

Scope of Services:

- New Generator Installation, Integration & Commissioning
- Conversion & Retrofit Projects
- Machinery system modifications
- Class approval process management
- Power generation and distribution upgrades
- Automation & control system integration
- HVAC system design and capacity analysis
- Main engine and auxiliary engine projects
- Power management system (PMS) projects
- Control panel renewal and system integration
- Shaft line, CPP and propulsion system works
- Fuel system modifications and upgrades
- Accommodation refit and outfitting coordination
- Inclining test
- Crane Systems Repair & Maintenance

Project Phases Covered:

- Project Initiation and Feasibility
- Design, Fabrication & Engineering Calculations
- Execution & Control
- Commissioning & Testing
- Survey coordination and documentation control
- Classification and Final Approval



"Time-critical decision making starts with accurate condition monitoring."



Survey, Classification & Technical Inspections

HARDDOCKS provides independent survey, inspection and classification support services for shipowners, managers, operators and shipyards.

Combining practical field experience with engineering expertise, HARDDOCKS supports clients in condition assessment, compliance verification, certification processes and technical inspections throughout a vessel's operational lifecycle.

Through its cooperation with recognized classification and survey organizations, HARDDOCKS provides support for statutory surveys, technical inspections, certification processes and class-related activities.



Authorized Cooperation Partners

Through its engineering, survey and technical expertise, HARDDOCKS supports clients in maintaining compliance, improving operational reliability and ensuring that vessels meet applicable class and statutory requirements.

Services Include:

- Classification & Statutory Survey Support
- Flag State Inspections
- Condition Assessment Surveys
- Pre-Purchase Inspections
- Technical Inspections & Reporting
- UTM & NDT Survey Services
- Damage Assessment Surveys
- Condition Monitoring & Evaluation
- Vessel Registration & Certification Support
- Class & Flag Technical Assistance

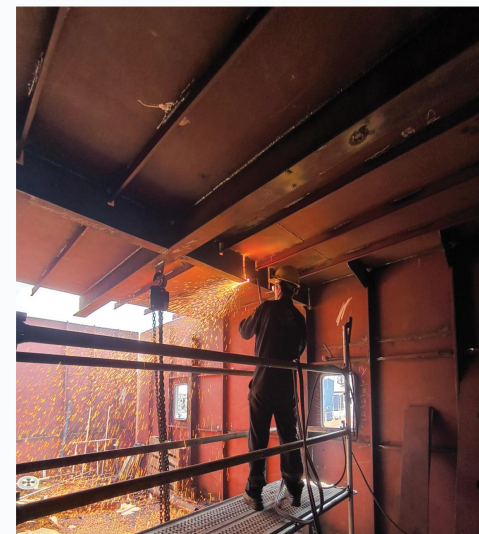
Structural and P&ID Design

"Worldwide delivery and commissioning with one partner, one responsibility."

HARDDOCKS develops complete engineering solutions for steel and P&ID projects by preparing all required drawings during pre-fabrication stages, on-site installations, and repair periods or prior to execution. This structured engineering approach enables accurate financial planning and allows direct project-based pricing to be established with clarity and confidence.

In parallel, HARDDOCKS produces detailed manufacturing drawings and cutting plans for critical equipment with special dimensions and tolerances. All components are packaged in installation ready condition and delivered worldwide. Our expert teams then carry out on-site installation and commissioning, ensuring seamless integration into vessel operations.

By combining engineering, fabrication coordination, logistics, and execution under a single point of responsibility, HARDDOCKS supports a "multiple scopes single interface" philosophy, delivering efficiency, control, and reliability across complex marine and offshore projects.



Scope of Services:

- Engineering Design & Fabrication
- Conversion Projects
- P&ID Projects
- Structural Steel Repair Supervision
- Special & Offshore Projects

Machinery Overhaul & Advanced Repair Services

HARDDOCKS delivers advanced machinery overhaul and repair solutions focused on restoring mechanical integrity, operational stability, and long-term reliability. Critical machinery issues are addressed through precision driven engineering methods and proven repair techniques.

Our scope includes Metallock welding, block replacement, marine chocking applications, vibration damper renewal, and filter system rework. Each intervention is executed to stabilize machinery foundations, reduce vibration related risks, and recover original performance characteristics.

By managing all repair activities under a single point of responsibility, HARDDOCKS ensures controlled execution, minimized downtime, and dependable machinery performance under demanding operational conditions.

Scope of Services:

- Overhaul / Repair
- Tests & Measurements
- Reconditioning / Re-Machining / Restoring
- Control / Automation System
- Metallock Welding
- Block Changing
- Marine Chocking Application
- Vibration Damper Renewal
- Filter System Rework
- Governor Services
- Turbine Repair & Maintenance
- Flexible Coupling Renewal
- Shaft Alternator Repair & Maintenance

Auxiliary Systems Upgrade & Optimization

HARDDOCKS approaches auxiliary machinery services beyond routine maintenance and repair. We focus on rebuilding, upgrading, and improving existing systems to enhance operational performance and reliability. Depending on operational needs, auxiliary machinery may be replaced, expanded, or newly integrated into the system.

Our scope includes new diesel generator installations, cooler replacements, and filter system

upgrades, all delivered through engineering-based system design and execution. The objective is not merely to keep systems running, but to create more efficient, safer, and future-ready auxiliary machinery arrangements.

By treating auxiliary systems as an integrated whole and managing all works under a single point of responsibility, HARDDOCKS delivers sustainable, value-driven solutions rather than standard service interventions.

Scope of Services:

- New Gen-Set Installation & Commissioning
- Overhaul & Preventive Maintenance
- Repair & Reconditioning
- Performance Testing & Load Trials
- Automation & Electrical System Repair & Renewal
- Filtration System Optimization
- Pump Overhaul & Maintenance
- Electric Motor Maintenance & Repair
- Alternator Maintenance & Repair
- Separator Overhaul & Repair
- Boiler & IGG Maintenance

Propulsion and Power Transmission Systems

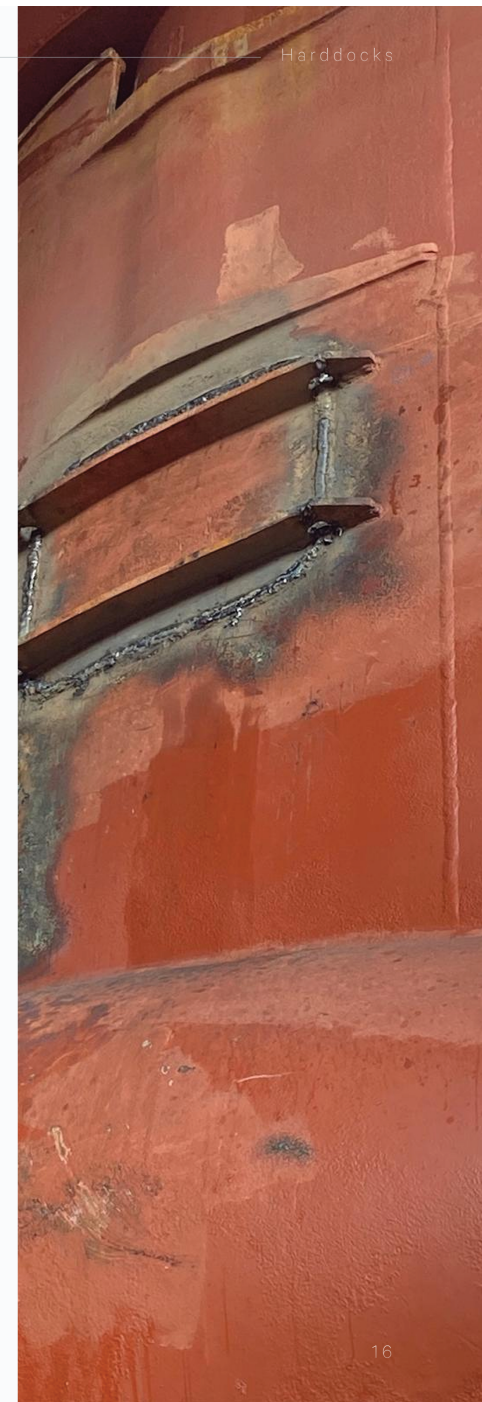


HARDDOCKS delivers comprehensive engineering solutions for propeller, shaft line, and CPP systems during dry dock periods, where precision and time are critical. Our approach goes beyond routine mechanical maintenance, addressing the system as a whole through measurement, alignment, load analysis, and condition assessment.

In critical cases such as main or intermediate bearing seizure, HARDDOCKS intervenes with full system recovery, including white metal casting, bearing renewal, and corrective engineering, restoring the shaft and propulsion system to its original performance values. For CPP systems, this approach extends beyond mechanical works to include automation and control system troubleshooting, as well as full system renewal and seamless integration with the vessel when required. All works are completed with testing, commissioning, and class-approved documentation, ensuring the propulsion system returns to service safely, reliably, and without operational uncertainty.

Scope of Services:

- Shaft line telescopic measurements (from aft bearing to reduction gear)
- Intermediate shaft bearing force and load analysis
- Stern tube and rudder stock alignment
- Shaft run-out measurements
- ICCP
- Air Lubrication System
- EEXI / EEDI compliance implementation
- White metal casting and bearing renewal
- CPP control system works
- Oil Distribution (OD) box and reduction gear system
- Propeller blade O-ring renewal
- Complete propeller hub overhaul

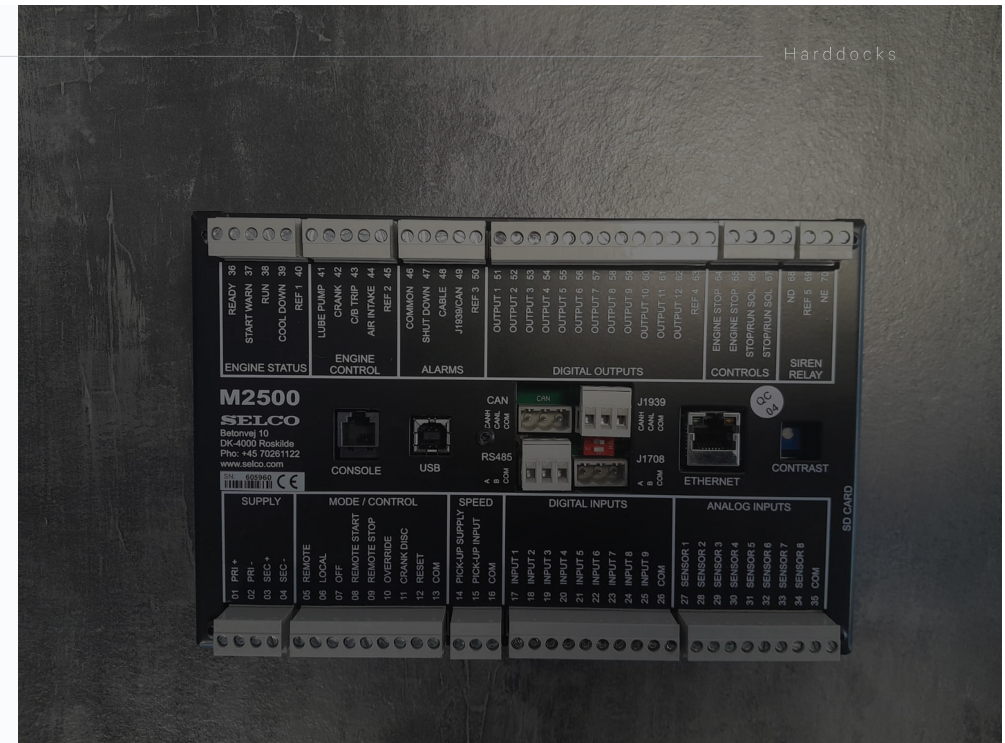
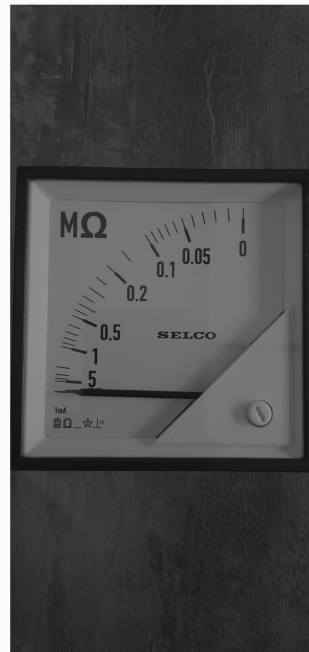


Spare Parts Supply & Custom Manufacturing

HARDDOCKS focuses on the supply of major and critical components for main engines and auxiliary machinery, rather than complete machinery units. This includes key engine components such as crankshafts, camshafts, pistons, cylinder covers, as well as bearings and seals. Depending on operational requirements and time constraints, parts can be supplied as new or thoroughly tested, high quality second-hand items.

Beyond standard spare parts sourcing, HARDDOCKS manages the procurement and logistics of major equipment, automation, and electrical components under a single point of responsibility. For components requiring special dimensions or custom manufacturing, fabrication and production drawings are prepared, manufacturing is coordinated with approved facilities, and worldwide shipment is arranged.

By combining engineering expertise with procurement and logistics management, HARDDOCKS ensures that the right component is delivered with the correct technical specifications, at the right time, securing operational continuity without uncertainty or delay.



Scope of Services:

- Major spare parts for main and auxiliary machinery
- Critical engine components (crankshaft, camshaft, piston, cylinder cover, etc.)
- Major equipment (new or tested second-hand)
- Automation and control components
- Electrical equipment

Special Size & Custom Manufacturing:

- Bearings & seals
- Pipe spools, Profiles, and Deck Equipment

Pre-Dock Control & Readiness



HARDDOCKS delivers all mandatory engineering and preparation works required before a vessel's shipyard entry, fully aligned with shipyard safety and operational policies. By managing these critical activities in advance, we eliminate delays, reduce risk, and protect the dock schedule from the very beginning.

Our scope covers tank cleaning and gas-free operations, underwater surveys, securing hull damages, and preparing cargo and fuel tanks for hot work. Steel renewal areas are identified, marked on board, and supported with accurate weight calculations to ensure clear scopes, precise material planning, and cost predictability.

The result is a vessel that enters the shipyard fully prepared, compliant, and under control before the dock period even starts.

Scope of Services:

- Afloat & Emergency Repairs
- Port and voyage repairs
- Steel renewal and welding works
- Pipe fabrication and mechanical repairs
- Electrical and automation services
- Main engine & auxiliary engine repairs
- Deck machinery maintenance
- Dry dock repair coordination
- 24/7 technical attendance and riding squads



TÜRK LOYDU

ClassNK



IRCLASS
Indian Register of Shipping

