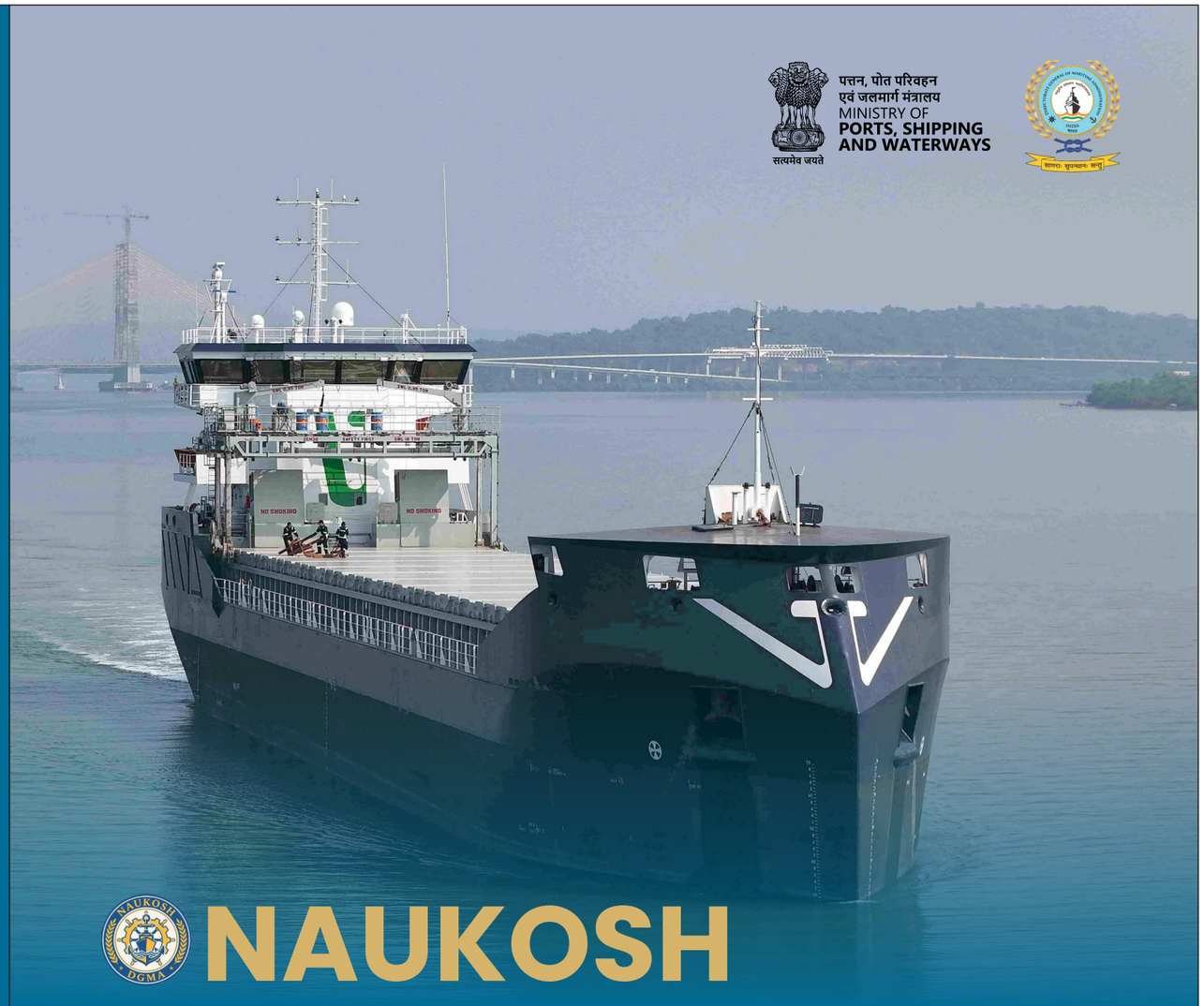
TOGETHER, LET'S STRENGTHEN INDIA'S SHIPBUILDING AND SHIP REPAIR ECOSYSTEM.

Directorate General of Maritime Administration
9th Floor, Beta Building, i-Think Techno Campus, Kanjurmarg (East),
Mumbai - 400 042, India.

Scan For Registration

पत्तन, पोत परिवहन
एवं जलमार्ग मंत्रालय
MINISTRY OF
PORTS, SHIPPING AND WATERWAYS

सत्यमेव जयते



NAUKOSH

Comprehensive Shipbuilding and Ship Repair Portal

A unified digital platform connecting India's shipbuilding and ship repair ecosystem.

A strategic digital initiative of the Directorate General of Maritime Administration (DGMA), Ministry of Ports, Shipping and Waterways (MoPSW), Government of India.

CONNECT • SHOWCASE • INNOVATE • GROW

About the Portal

VISION

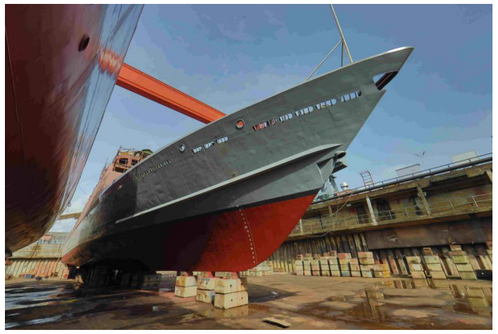
To position the Indian shipbuilding and repair industry on the global map through a comprehensive digital platform that supports transparency, innovation and industry excellence.

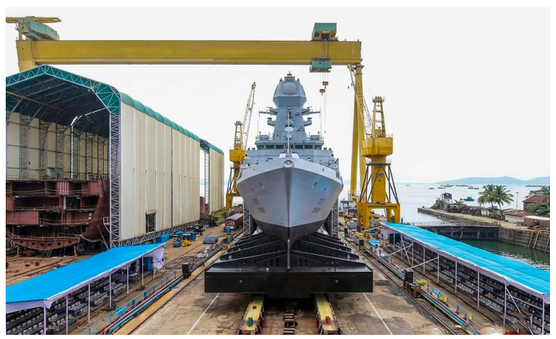
MISSION

To build a comprehensive and interactive digital platform that enables seamless stakeholder collaboration, showcases industry capabilities, promotes access to funding and training, and integrates best practices and innovations—ultimately enhancing visibility, efficiency and global competitiveness of India's shipbuilding and ship repair industry.

Naukosh – Comprehensive Shipbuilding and Ship Repair Portal is a strategic digital initiative of the Directorate General of Maritime Administration (DGMA), under the Ministry of Ports, Shipping and Waterways (MoPSW), Government of India. It has been developed as a unified digital platform to strengthen India's shipbuilding and ship repair ecosystem by bringing key stakeholders together on a single, collaborative platform.

The portal serves shipyards, ship repair facilities, ancillary industries, equipment manufacturers, design agencies, classification societies, research institutions, training organisations, financial institutions, investors, insurers and regulatory authorities. It supports collaboration, capability showcasing, knowledge sharing, regulatory awareness, investment facilitation, workforce development and access to industry best practices.





Through centralised information, digital stakeholder profiling, capability mapping, data-driven insights and a repository of technical resources, Naukosh aims to support informed decision-making and stronger collaboration across the maritime value chain. It also promotes advanced technologies, sustainable shipbuilding practices and innovation-driven growth.

Collaboration Hub Module

Where the industry connects, collaborates and grows together.

The Collaboration Hub is the participation layer of India's shipbuilding and ship repair ecosystem — a virtual space where stakeholders can form closed groups, exchange knowledge and collaborate on projects in a secure environment. It is designed to bring together shipyards, suppliers, regulators, financiers, training institutions, researchers, technology providers etc. into focused communities that drive practical outcomes.

Shipbuilding is inherently collaborative, yet relationships often operate through fragmented networks and disconnected conversations. The Collaboration Hub addresses this by hosting structured groups where discussions, documents and updates are accessible only to participants of that group. Anyone can view the topics of groups and request to join, ensuring openness at the entry point while maintaining credibility and privacy within.

Participation is designed to be purposeful. A stakeholder can join a group to follow industry discussions, identify partners, share developments, or collaborate on specific projects. Shipyards can use the Hub to identify suppliers and expertise; regulators can communicate updates and gather feedback; training institutions can track emerging skill requirements; researchers can discover practical industry problems; investors can follow ecosystem developments; and technology providers can find potential adopters.

The Hub balances accessibility with quality. Stakeholder verification, role-based participation, moderation and appropriate access controls ensure that interactions remain credible and constructive. Over time, the Hub becomes a living record of sector priorities, technical challenges, emerging opportunities and solutions — captured within groups that reflect the industry's evolving needs.

The Collaboration Hub connects naturally with Capability Insights, Technical Library, Innovation Centre and Training & Certification, ensuring that conversations lead to discovery, knowledge, innovation and skills. The outcome is a digital community behind the industrial network — helping people find the right partners, solve problems, exchange knowledge and move from conversation to coordinated action.



Finance & Insurance Module

Capital, confidence and risk cover that enable capacity, competitiveness and growth

Finance & Insurance is the gateway to the capital, incentives and risk support mechanisms that convert shipbuilding ambition into capacity, projects and competitive businesses. It makes visible the financial ecosystem that sustains shipbuilding and ship repair — from government subsidies and incentives to financing options, investment opportunities and insurance solutions.

Shipbuilding and ship repair are capital intensive activities. Yard expansion, infrastructure modernisation, advanced machinery, green technologies, working capital and vessel projects require financing suited to their scale, timelines and risk profiles. Finance & Insurance brings together information on available support, who provides it and which pathways are most relevant to different requirements.

Different participants benefit in different ways. A shipyard uses the module to explore support for capacity expansion; an ancillary company discovers equipment finance or working capital options; an investor identifies opportunities; while banks, NBFCs and insurers gain visibility into emerging maritime businesses and projects. Where an external government or financial system is the authoritative mechanism, the portal serves as the discovery and information layer, directing users towards the relevant application or transaction process.

Finance & Insurance also connects the wider ecosystem — government support, financial institutions and insurers — reducing the information gap between industry requirements and the systems capable of responding.

The outcome is a clear national proposition that answers three essential questions: what support exists, who can provide it and where should I go next? Finance & Insurance does not merely display schemes; it enables productive investment and builds confidence in India's maritime growth story.



Key Objectives

01 Increase global visibility
Raise the visibility of India's shipbuilding and ship repair industry.

02 Enable stakeholder collaboration
Strengthen connections among shipyards, design agencies, ancillary suppliers, regulators and other stakeholders.

03 Develop the workforce
Promote training and certification opportunities.

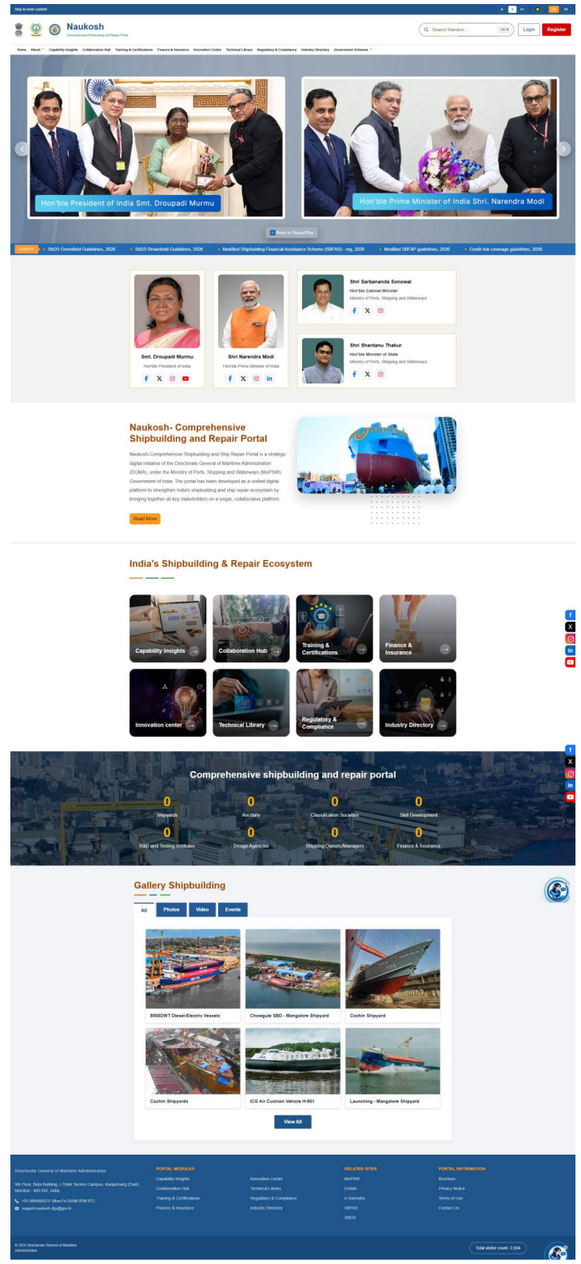
04 Promote R&D and innovation
Encourage research, innovation and the showcasing of new technologies.

05 Centralise technical knowledge
Improve access to technical information, standards, class guidelines and industry guidance.

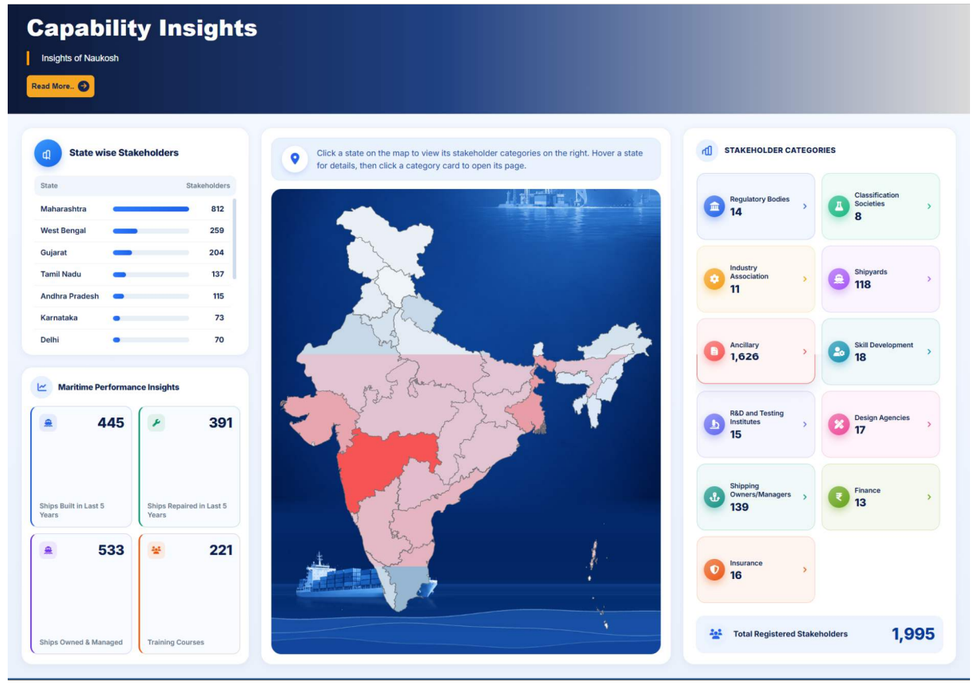
06 Improve finance awareness
Provide information on financial schemes and insurance solutions.

Homepage

A public-facing dashboard offering a broad overview of the Indian shipbuilding sector, including shipyard and capacity indicators, ships delivered and on order, registered stakeholder counts, and periodic policy and sector updates.



Capability Insights Module



Insights of Naukosh

Capability Insights is the evidence layer of Naukosh. It provides a connected, measurable view of India's shipbuilding and repair ecosystem — moving beyond a conventional directory to show what the country can actually build, repair and deliver.

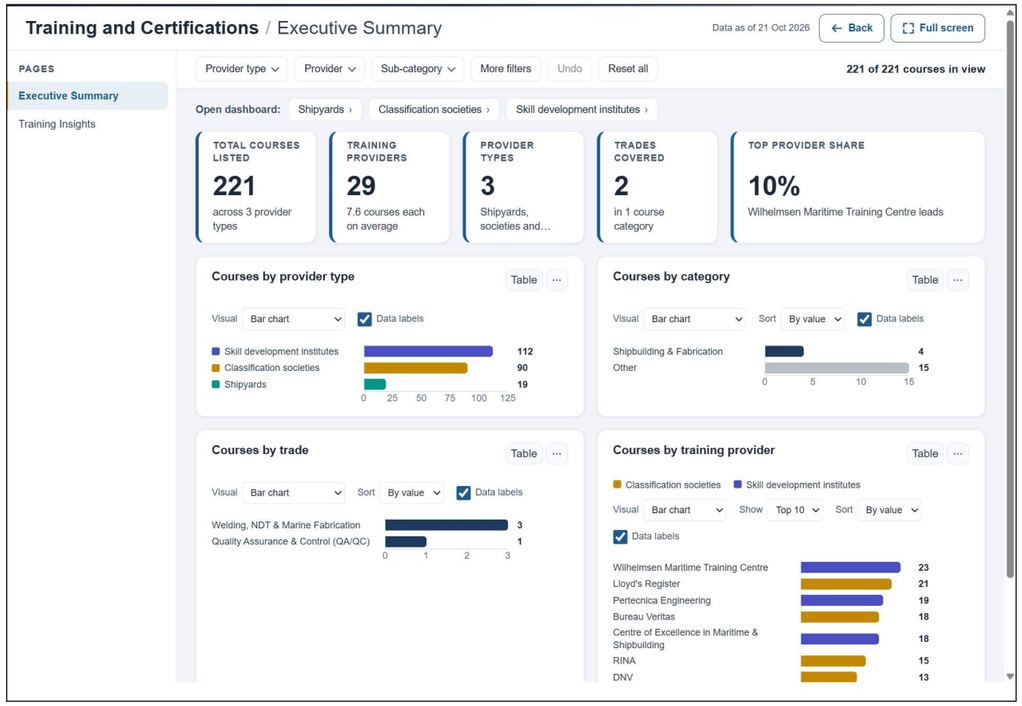
The module consolidates standardized information on shipyards, repair yards, design agencies, ancillary suppliers, equipment manufacturers, R&D organizations, maritime boards, training institutions and other ecosystem participants. Each profile captures infrastructure, expertise, specialization, products and services, project experience and supporting evidence, creating a structured and reliable picture of capacity and capability.

At its core is discoverability - A shipowner searching for a repair facility, an investor evaluating a yard, a shipyard seeking an equipment supplier, or a designer looking for a research partner would be able to move seamlessly from the national ecosystem to relevant organizations and verified evidence of their capability.

Eventually, Capability Insights tells a larger national story through measurable indicators such as vessel categories, cumulative gross tonnage, capacity, infrastructure, project experience and specialized services.

For international visitors, it becomes a window into what India can deliver. For domestic industry, it enables partner and supplier discovery. For government and policymakers, it provides a structured view of the industrial base — an evidence-led national map that connects ambition with demonstrated capability and helps the world see not only what India intends to build, but what India is already capable of building and repairing.

Training & Certifications Module



Building the people who build the future.

Training & Certification is the national skills compass for India's shipbuilding and ship repair ecosystem. It makes the workforce-development landscape related to the shipbuilding ecosystem visible, connected and easier to navigate – showing how people can access various training programmes, certification pathways and institutions that support the industry's growth.

The module brings together information from institutions, government initiatives, classification societies and industry-led certification bodies. Training institutions gain visibility among a focused audience; employers identify workforce-development pathways; professionals upgrade their capabilities; and young people understand routes from foundational skills to specialised certification.

Training & Certification reflects the evolving nature of the industry. Traditional skills such as welding, ship design, machining and CNC operations are now complemented by automation, digital engineering, advanced manufacturing, environmental compliance, new propulsion systems and other emerging technologies. The module highlights why these skills matter and how workforce development supports industrial expansion, modern shipbuilding, ship repair, green technologies, digitalisation, safety and regulatory compliance.

It also supports demand-led training. Capability Insights identifies expanding capabilities, the Collaboration Hub surfaces skill gaps, and the Innovation Centre highlights emerging technologies. Together, these connections ensure that training is not only visible but also aligned with industry needs.

The outcome is a connected national skills story that demonstrates India is not only expanding shipbuilding capacity — it is building the people required to operate, sustain and continuously improve that capacity.

Industry Directory Module

One connected map of everyone in the national effort.

The Industry Directory is the foundational map of India's shipbuilding and ship repair ecosystem — the simplest way to say hello to everyone participating in the national effort. It provides a structured and searchable view of stakeholders, ensuring that the ecosystem is visible, connected and easy to navigate.

A national industrial ecosystem cannot be understood without knowing who participates in it. The Directory presents shipyards, repair facilities, ancillary suppliers, equipment manufacturers, technology providers, design agencies, R&D organisations, training institutes, financial institutions, insurers, regulators, classification societies and other relevant participants. Each profile is designed to show where an organisation sits within the wider value chain, making it easier to understand its role and relevance.

The Directory goes beyond being a contact list. For domestic industry, it supports partner and supplier discovery. For international visitors, it provides a first structured view of India's maritime industrial base. For government, it creates a common reference point for stakeholder outreach, ecosystem development and policy engagement.

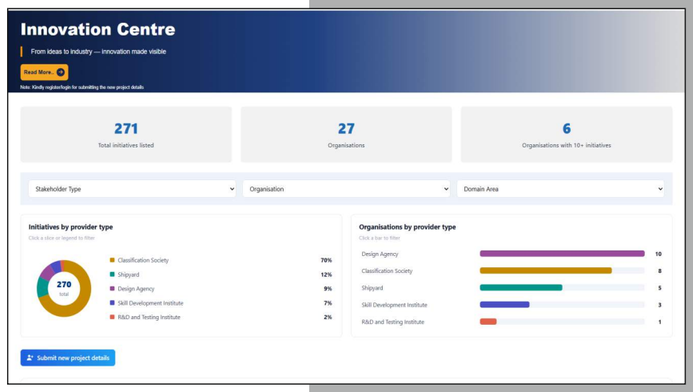
Verification and periodic updating ensure credibility. Standardised fields, clear categories and consistent presentation make the Directory reliable and easy to use. By offering a connected identity for every participant, it becomes the starting point for discovering capability, building relationships, finding knowledge and participating in India's maritime growth story.

The outcome is one connected, searchable and credible view of everyone contributing to the national effort — a digital map that strengthens visibility, builds trust and helps India's shipbuilding ecosystem grow together.



Innovation Centre Module

From ideas to industry — innovation made visible.



The Innovation Centre is the visible home of India's ambition to promote innovation and technology across the shipbuilding and ship repair ecosystem. It is the place where research, emerging technologies, practical solutions and new ideas are discovered, connected, evaluated and moved towards adoption.

The future of shipbuilding is being shaped by cleaner fuels, advanced materials, automation, digital engineering, simulation, electrification, smart shipbuilding and advanced manufacturing. The Innovation Centre presents this transformation by showcasing research projects, technology demonstrators, case studies, simulations, 3D models, videos, white papers and other evidence that helps stakeholders understand what is being developed and how it can be applied.

Innovation is presented in a structured way that distinguishes between research, prototypes, demonstrations, pilots and deployed solutions. This helps users understand the maturity and relevance of each innovation and how it can move from idea to industrial adoption. Shipyards, technology providers, designers, research organisations, academia, financiers and other stakeholders all contribute to this journey.

The Innovation Centre connects innovators with potential adopters, surfaces financing pathways, provides technical references and highlights regulatory considerations. It also documents lessons from pilots and demonstrations, ensuring that the ecosystem learns from both successful and unsuccessful experimentation.

Connections with Capability Insights, Collaboration Hub, Finance & Insurance, Technical Library and Regulatory & Compliance make innovation part of the wider digital ecosystem. The outcome is a visible pipeline of maritime innovation that shows how India moves from thought to technology, technology to demonstration and demonstration to industrial deployment.

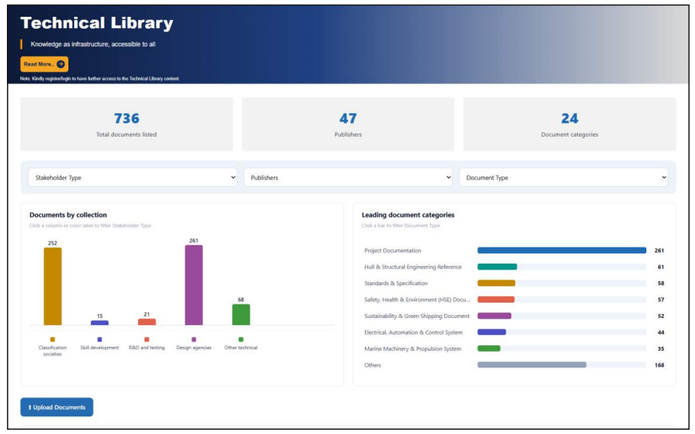


Technical Library Module

Knowledge as infrastructure, accessible to all.

The Technical Library is the knowledge hub of India's shipbuilding and ship repair ecosystem — a digital repository that helps users find, understand and use the information required to work better. It positions knowledge as infrastructure, ensuring that standards, specifications, manuals and other technical documents are not only stored but made discoverable and usable.

Shipbuilding and ship repair are knowledge-intensive activities. Design, construction, testing, maintenance and repair depend on reliable technical information including standards, specifications, drawings, manuals, checklists, procedures, research, safety protocols and lessons learned. The Technical Library brings these resources into a structured digital environment, supported by search, tagging, categorisation and appropriate access controls. Public, restricted and role-specific resources are managed according to their nature and authority.



The Library is designed to be practical and confidence-building. Users can quickly locate the information they need, understand how it applies to their activity and use it to improve efficiency, safety and compliance. Resources are presented in a clear, structured format that makes technical knowledge easier to navigate and apply in real-world contexts.

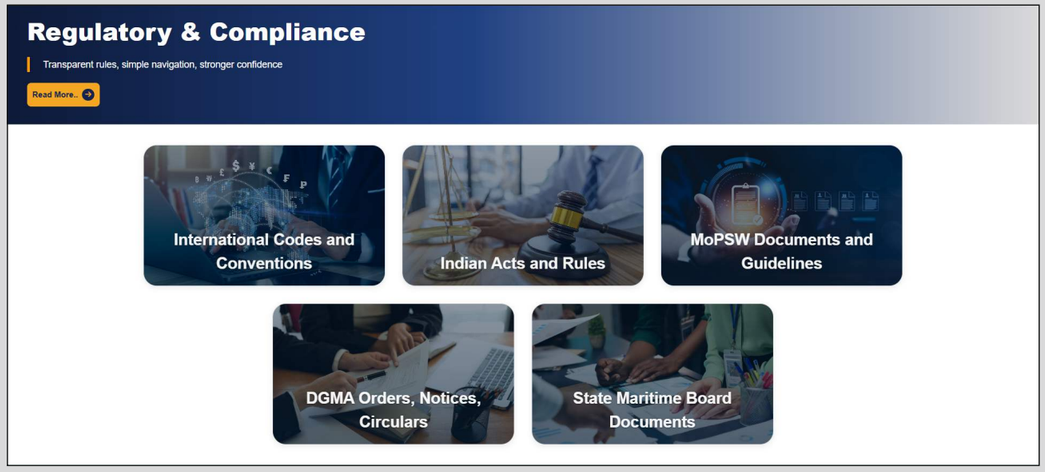


By making knowledge accessible and reliable, the Technical Library strengthens the industry's ability to learn faster, build better, repair more effectively and comply confidently. It becomes the single most profound and accessible digital repository for industry reference — helping India's shipbuilding ecosystem continuously improve and compete internationally with confidence.

Regulatory & Compliance Module

Transparent rules, simple navigation, stronger confidence.

The Regulatory & Compliance module is designed around a simple principle: the regulatory environment should be comprehensive, yet easy to navigate for the person who needs to use it. It provides a clear and structured view of the rules that govern shipbuilding and ship repair, ensuring that compliance becomes enabling rather than burdensome.



Shipbuilding and ship repair operate within a dense framework of international and national regulations. Regulatory confidence is therefore an essential part of industrial competitiveness. The module brings these requirements together into one discovery layer, presenting information about International Conventions, Indian Acts & Rules, Orders/circulars/notices/guidelines from MoPSW & DGMA and State Maritime Board Policies/Guidelines.



The module also supports continuous awareness by presenting updates and curated regulatory information in a timely and structured manner. Stakeholders gain confidence that they are working with the latest requirements and industry participants can focus on competitiveness without uncertainty about compliance.

The outcome is a transparent compliance environment where rules are visible, requirements are understandable and India's shipbuilding industry can compete internationally without compromising safety, quality, or regulatory integrity.