



IRCLASS
Indian Register of Shipping



April 2025

TOUCH OF CLASS

Golden Jubilee Edition - Volume 3





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Message From The Executive Chairman's Desk



Dear Reader,

As Indian Register of Shipping reaches the glorious milestone of Golden Jubilee in April 2025, I honour the founders and visionaries who built a remarkable legacy through perseverance and resilience. I also extend my gratitude to all stakeholders for their unwavering support and commitment, which have been instrumental in our journey to this golden jubilee.

Driven by the world's steadfast commitment to climate goals and the fast-paced technological advancement, shipping is entering a transformative era. The regulators and the industry are brainstorming over the development of regulations pertaining to decarbonisation, digitalisation and advanced automation. Amongst the several options being deliberated, nuclear power is emerging as a contender to provide a viable pathway toward decarbonisation. While public perception and fear of the unknown is still a factor in the nuclear debate, it offers effectively zero emissions, long refuelling intervals and minimal port dependency. The significant challenges that need to be addressed include production, safety, security, training, liability, and the associated insurance framework. With this in mind, IRS has joined Nuclear Energy Maritime Organisation (NEMO), the London-based organisation which works alongside nuclear and maritime regulators to develop standards for the deployment, operation, and decommissioning of floating nuclear power.

In this era of decarbonisation and digitalisation, need to upskill resources operating in the ecosystem takes priority, especially with respect to handling the safety and environmental matters. This would require extensive risk based training to designers, yards, machinery & equipment manufacturers, port operators and seafarers. In the Indian context this is imperative, as India is the third largest provider of seafarers globally. I am sure that the seafaring community has seen many developments and is adaptable to evolving technologies.

Noting the push being provided by the Indian government towards development of inland waterways, we are actively supporting these initiatives to develop maritime transport through inland waterways. As these waterways impact the hinterland, training the maritime fraternity in this ecosystem is of utmost importance with a focus on sustainable technologies.

I once again thank all the stakeholders, past and present members of the IRS family who have been a part of this incredible journey. With a forward-thinking approach and unwavering dedication, I am optimistic that we will seize emerging opportunities, drive sustainable growth and empower our people to thrive in the ever evolving maritime seascape.

I wish the readers a pleasant reading...!!!

Managing Director's Message



Dear Reader,

It is with immense pride and gratitude that I present to you the third and final volume of the Touch of Class Golden Jubilee Edition. This special series has been a remarkable journey, capturing the legacy, achievements, and vision of the Indian Register of Shipping as we commemorate 50 years of excellence.

The first two volumes of this Golden Jubilee edition reflected upon our rich history and significant milestones, showcasing how we have grown from strength to strength. In this concluding volume, the focus is on human element as the most critical resource in the maritime transition to new fuel ecosystems and emerging technologies. The successful adoption of sustainable fuels, digitalisation, and regulatory advancements will depend on the knowledge, adaptability, and expertise of people, who remain at the heart of this transformation.

The year-long golden jubilee celebrations have been marked by a series of memorable events, including customer and stakeholder engagements, commemorative publications, and special initiatives that highlighted our contributions to the maritime sector. From prestigious gatherings in key maritime hubs to thought leadership discussions on industry transformation, these celebrations have reinforced IRS's role as a global player in classification and beyond.

As we navigate an era of rapid technological advancements and evolving global challenges, IRS remains committed in its mission to provide world-class classification, certification, and technical services. Our focus on digitalisation, decarbonisation, and regulatory expertise will continue to shape the industry and position IRS as a thought leader on the global stage.

I extend my heartiest appreciation to everyone who has contributed to this publication and to our Golden Jubilee celebrations. May this edition serve as an inspiration for the future as we continue our journey of innovation, integrity, and global impact.

Pleasant Reading!

Message from Joint Managing Director



Dear Reader,

The journey of IRS has been defined by continuous evolution, collaborative partnerships, and commitment to excellence. Over these five decades, IRS has navigated through numerous industry transitions, adapting with agility and foresight. This resilience has allowed us not just to grow, but also to establish ourselves as a trusted global Classification Society.

At the core of IRS's success lies our dedicated and talented workforce and their pursuit of technical excellence. I extend my sincere appreciation to each team member whose relentless passion, hard work, and innovative spirit drive our continued success. Equally, my heartiest thanks go to our valued customers and partners, whose support and collaboration are integral to every achievement that we celebrate.

As we look to the future, the maritime industry is at a pivotal moment, facing ambitious decarbonisation targets alongside transformative changes driven by evolving environmental regulations, rapid digitalisation, autonomous shipping, and increasing cybersecurity demands. IRS is proactively addressing these emerging challenges by facilitating the transition towards alternative fuels like ammonia, hydrogen, and methanol, and actively engaging in discussions around their implementation.

We look forward with optimism, confident in our collective ability to shape a safer, smarter and greener maritime future. Thank you for being a part of this incredible journey. Together, let us continue to build upon our legacy and move forward with purpose and vision.

Pleasant Reading!

From the Editorial Board

Dear Reader,

It gives us immense pleasure in presenting the last of the Golden Jubilee series of Touch of Class. As Indian Register of Shipping (IRS) completes 50 years of excellence, we view this milestone as not just a testament to our glorious journey but also a celebration of the people, partnerships, and progress that have shaped IRS into a globally respected classification society. The congratulatory messages have been very heartwarming and we are grateful.

This edition brings together articles and messages from our esteemed stakeholders and industry leaders — each offering unique insights into IRS's remarkable growth and enduring impact. We are encouraged by their kind words which highlight our collective achievements, the trust we have built, and the vision that propels us forward.

Like the previous 2 volumes of this special series, this edition also features messages from our past visionary leaders who still have fond memories of their time at IRS. Their reflections capture the spirit of resilience, innovation, and integrity that have been the foundation of our success. From our humble beginnings in 1975 to becoming a globally recognised force in the maritime industry, IRS has remained steadfast in its commitment to safety, innovation, and sustainability. As we look ahead, we reaffirm our dedication to setting higher benchmarks and navigating the future with the same passion and resilience that have defined our past five decades.

We extend our gratitude to everyone who has been a part of this journey and contributed to our success. As we celebrate this golden jubilee, we look back with pride and look ahead with optimism. The journey continues, and we are excited for the next 50 years of navigating new horizons, Powered by Passion and Driven by Values!

Cheers!
- Editorial Team



श्याम जगन्नाथन, भा.प्र.से.

नौवहन महानिदेशक

एवं अपर सचिव, भारत सरकार

Shyam Jagannathan, I.A.S.

Director General of Shipping &

Additional Secretary to the Govt. of India



Message from The Director General of Shipping

It is with great pride and admiration that this Directorate extends its heartiest congratulations to the **Indian Register of Shipping (IRS)** on achieving the remarkable milestone of its Golden Jubilee. Over the past 50 years, IRS has played a pivotal role in upholding maritime safety, regulatory excellence and technological advancement, earning global recognition for its contributions to the shipping industry.

The present time is witnessing a remarkable transition wherein the two pillars of sustainability and technology shall lead the change. While the Indian Maritime Administration address these changes through a responsible regulatory, the transition from D. G. Shipping to DG Maritime Administration which will ensure a more progressive engagement with ports, shipyards, ship recycling units, offshore operations with a global perspective and in this ongoing journey IRS is a well embedded partner.

The synergy between the Indian Flag Administration and the Indian Register of Shipping (IRS) plays a crucial role in Strengthening India's maritime sector. This collaboration ensures the highest Standards of safety, security, and environmental compliance while fostering innovation and sustainability in the shipping industry. The Indian Flag Administration, as the regulatory authority, sets policies and frameworks to uphold international maritime conventions, while IRS' as a recognized classification society, provides technical expertise, inspections and certification services to ensure compliance. Together, we enhance the credibility and competitiveness of Indian - flagged vessels on the global stage.

A key aspect of this partnership is our coordinated participation in IMO meetings and

international forums, where we represent India's maritime sector, contribute to Policy discussions, and advocate for regulations that align with national interests. By working together, both entities contribute to the growth of India's maritime sector supporting shipowners, operators, and seafarers in navigating evolving regulatory and technological landscapes. This partnership is essential in driving India's vision of becoming a leading maritime nation, embracing new challenges, and seizing emerging opportunities in the dynamic global shipping industry.

Through its commitment to innovation, sustainability, and service excellence, IRS has continually strengthened India's position in the global maritime sector and reinforced the nation's reputation as a maritime powerhouse.

As we look ahead to an era of transformation in shipping, IRS's role will be crucial in navigating the challenges and opportunities of the future. I have no doubt that IRS will continue to lead with vision, integrity, and excellence, shaping the next chapter of maritime progress.

On this momentous occasion, I extend my best wishes to IRS, its leadership, employees and all stake holders who have contributed to its success. May the journey ahead be even more remarkable, filled with greater achievements and milestones.

(Shyam Jagannathan)

Sailing Into The Future: Achievements and Vision of IRS



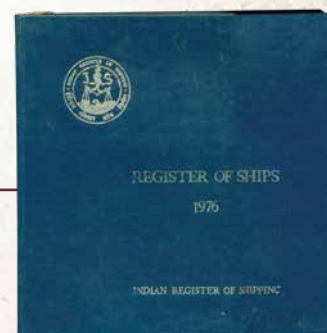
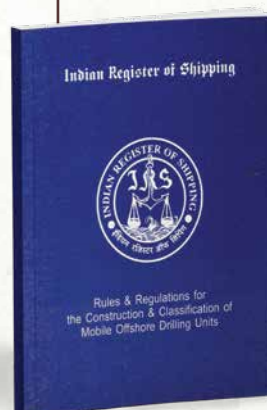
This article is in continuation to "Setting Sail" and "Navigating the Challenges" articles published in previous edition

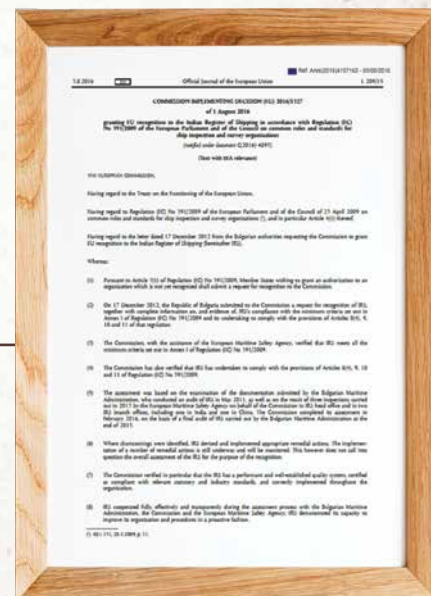
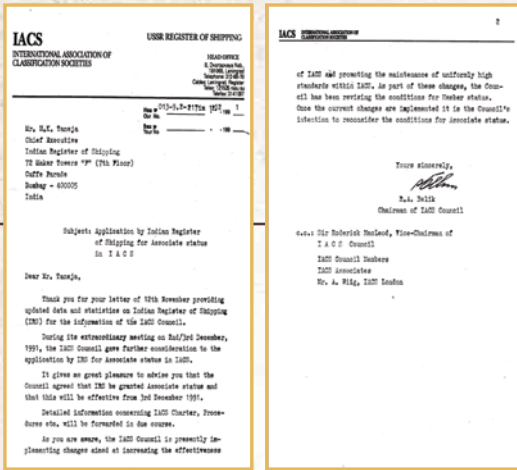
As is the nature of things, the role of a classification society has evolved over the years, influenced by changes in the maritime industry, technological advancements, geopolitical, regulatory influences and other factors.

Since its inception, Indian Register of Shipping has undergone a visible change in the range and diversity of services it offers to the maritime sector. The beginning years saw a traditional classification society and a focus on developing technical expertise in this field. The years between 1985 and 2009 entailed expanding into verticals of quality systems, training and marine-adjacent industrial sectors. This expansion was centred around the monumental effort for recognition on an international level, which only gathered momentum after achieving an associate membership of the International Association of Classification Societies (IACS).



Focus areas: 1975 - 1985





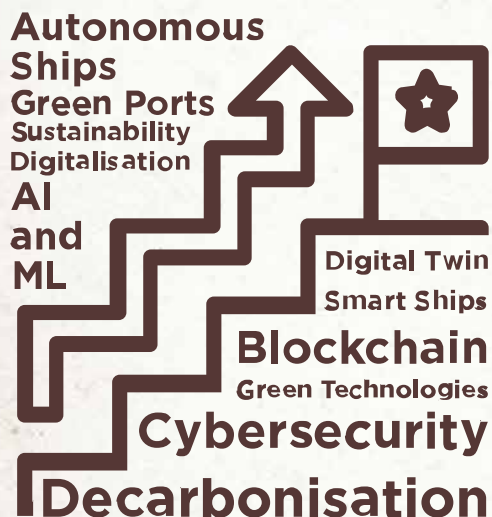
The 2010s was a decade of growth for IRS within the ambit of global recognitions. While it was already an associate member of IACS, gaining full membership in 2010 showcased a history of consistent high-quality performance. Close on the heels of its accreditation for EU MRV from RvA and and EU MED notified body status, IRS also received recognition from the European Union and the US Coast Guard in 2016.



In July 2019, IRS (represented by Mr. Arun Sharma) was elected as the Chair by the IACS Council, a prestigious feat for a relatively young classification society. Over the years, IRS's performance and contributions within IACS in various roles has anchored its place on the map of technical and regulatory bodies.

What defines the 2020s so far is the rapid pace of changes in technology and the needs of the shipping industry. The 2020 pandemic disrupted global supply chains and shipping schedules, highlighting vulnerabilities in the system but also accelerating digitalisation and automation trends. While broad environmental regulations are already in place, the fast-approaching benchmark year of 2030 has highlighted the need to swiftly identify and narrow down to the more effective solutions. The increased awareness of the extent of our impact on the environment is also necessitating discussions on other aspects of ship emissions like underwater noise, bio-fouling and more.

to keep up with advancement in technologies in science and technology. It is necessary to explore possible applications of new tech in various aspects of maritime industry to fully utilise our potential.



Awards and Accolades

The role of a Class is now further expanding to support the industry with these changes and to assume a proactive role to forge new paths. The ability of an organisation to adapt has become a key factor to ensure longevity in these changing times, and one of the core factors affecting adaptability is the human element. Developing a structure that lends itself to innovation, skill development and training have become crucial

The journey of IRS has been a fast paced one. From competing with giants in its nascent years, gaining expertise, making a mark on an international level, expanding verticals beyond class to making valuable contributions in the present day, the success of the last 50 years is a testament to skill and competency of its leadership and workforce. With this ability to learn and adapt, the future is bright.

SCI & IRS - Journey Together

As IRS celebrates its golden jubilee, we take great pleasure in reflecting on their achievements and milestones. SCI witnessed the inception of IRS 50 years ago in its premises in Shipping House, Mumbai and since then, has seen IRS grow in acumen, tonnage and presence over the years. The collaborative effort between the two organisations began in the first year with 'Vishva Bhakti', the first SCI vessel classed with IRS and this synergy continues to this day, covering the entire fleet of SCI. Going beyond traditional roles, both organisations have also partnered in recent years for initiatives including Decarbonisation and Emergency Response Services (ERS), embracing and working towards optimisation and the changing technical needs of the industry.

It is indeed heartening to see this glorious organisation grow to its full potential. Together, we have always been sailing with 3S – Strongly, Smoothly and Sturdily in 'Full Ahead' mode braving all challenges, especially during the pandemic, trade restrictions and inclement business conditions.

I, on behalf of SCI family, extend my congratulations to everyone at IRS on achieving this milestone and wish them good luck and a glorious future to build a stronger, safer and greener maritime nation.



Capt. B. K. Tyagi
Chairman and Managing Director,
Shipping Corporation of India Ltd.



NEURON – Knowledge at Your Fingertips

Indian Register of Shipping (IRS) continuously strives to enhance efficiency and empower its workforce through technology. One such initiative is NEURON, an innovative web application designed and developed in-house by the Plan Approval Centre's Technical Software Development Group, presently for internal use only.

Named after neurons which are the building blocks of the human nervous system, this application quickly processes and relays vital information. NEURON web application simplifies, streamlines and enhances access to a vast repository of documents like Survey Procedures, Instructions to Surveyors, published Rules & Regulations, as well as International Codes and Conventions.

Neuron serves as a transformative application that:

Organises Content: Converts lengthy documents into chapter-wise segments for ease of navigation.

Enhances Searchability: Features powerful search capabilities to help users find information quickly and accurately.

Improves Accessibility: Displays documents directly within the application for a seamless user experience.



Mr. Kapil Zaveri
Senior Surveyor,
PAC – Technical Software
Development

Neuron reflects IRS's vision for leveraging technology for operational efficiency. This in-house development represents our organisation's ongoing commitment to support and elevate the work of our Surveyors and technical teams by ensuring that they have the right information at their fingertips whenever needed, translating into enhanced productivity and decision-making. This enables faster delivery of services, to both internal and external stakeholders.

Neuron will be progressively expanded to leverage Artificial Intelligence and Machine Learning to further improve efficiency.



Reflections on a Journey with Indian Register of Shipping

Mr. Suresh Sinha
(with IRS from 1990,
Managing Director, 2016-2021)



As I reflect on my journey spanning over three and a half decades at Indian Register of Shipping (IRS), I am filled with immense pride and gratitude. My career at IRS was not just a professional experience but a journey of personal growth, learning and fulfilment.

Early Challenges and Foundations of Growth

I joined IRS in the year 1990 when the organization was still in its nascent stage, primarily serving Indian shipowners with a small operational footprint, with many challenges including wider acceptance and global footprint.

At IRS, I had a very satisfying career starting from a Surveyor to superannuating as a Managing Director of a globally recognised classification society.

A particularly proud moment was, when IRS was subjected to its first quality system audit by IACS, in which I was the auditee for the Ship's audit as well as New Construction project audit in GRSE, where no nonconformity or finding was raised. The auditor was none other than Mr. D. W Smith, the then Quality Secretary of IACS, which put IRS in the same league as other IACS class societies in respect of maintaining Quality System & services.

During my tenure at IRS, I had the opportunity of representing IRS in the ISM expert group in IACS, even before the ISM code came into effect. Later, I had the distinction of becoming India's first ISM Lead Auditor, a role that allowed me to contribute directly to the implementation of international standards in our maritime practices.

I was fortunate to have been entrusted with the responsibility of establishing and strengthening our foothold in Middle East, which presented an immense potential for growth.

The challenge was to convince the stakeholders (ship owners/Managers and oil majors) and build the image as a trusted partner, not only verifying compliance but also providing technical guidance.

The experience gained thus against stiff competition had provided valuable insights and had immensely assisted me personally and IRS in expanding into more geographies.

For many years, IRS had focused almost exclusively on the quality, technical and regulatory aspects, but I learnt that success was equally about relationship-building and business development, in order that the growth is not stagnant.



The Growth of IRS: From a Small Player to a Global Entity

Over the years, as I transitioned from operational roles into leadership positions, I was privileged to witness the broader evolution of IRS. What started as a small player focusing primarily on Indian markets gradually transformed into a classification society of international repute. This journey wasn't easy, but it was fuelled by the collective dedication of teams across the organisation, a relentless focus on quality and a vision to be counted among the best in the industry.

IRS's entry into the international market, its recognition by leading Flag States, and its partnerships with global shipowners were significant milestones. We expanded our services beyond traditional ship classification, venturing into areas like offshore installations, ports, and infrastructure, thereby broadening our expertise and client base.

I take immense pride in having contributed to this growth. Whether it was representing IRS at international forums, leading key projects, or managing relationships with stakeholders, each role came with its challenges, but also with a sense of purpose and accomplishment. Our collective efforts helped IRS become a classification society to reckon with, globally. Attaining IACS membership in 2010 and EU recognition in 2014 were the catalyst in the IRS growth process.

Personal Growth and Reflections

My time at IRS was not just about professional achievements. It was a journey of personal growth, learning from failures, and celebrating successes. The experiences I had, the relationships I built, and the lessons I learned have shaped me both as a professional and as a person.

As I look back, I realize that the journey was as important as the destination. The long hours, the constant travel, the challenges of balancing work and family—all these experiences have made me who I am today. And as I stepped down from my role, handing over the reins to a new generation of leaders, I did so with a sense of pride and fulfilment, knowing that I had contributed to something meaningful and enduring.

My advice to the future generations: **The voyage is long, embrace the challenges, strive for excellence and the journey will be deeply rewarding.**

Innovate, Adapt, Lead: Shaping The Future Of IRS Through Digital Transformation



Mr. Rabindra Sah
Chief Technology Officer



Ms. Sanjida Augustine,
Associate Vice President, Head – IT & MIS

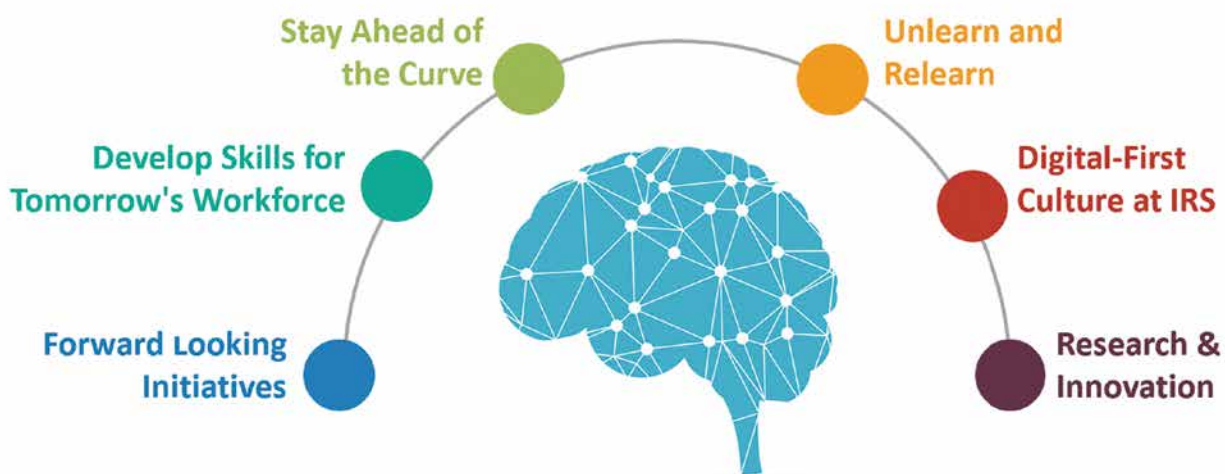


Introduction & Strategic Imperative

As a leading classification society, Indian Register of Shipping (IRS) plays a pivotal role in ensuring the safety, compliance, and operational efficiency of maritime assets. With rapid advancements in digital technologies and evolving regulatory landscapes, digital transformation is no longer optional—it is essential. This article introduces IRS's strategic digital endeavours with global maritime industry trends and regulatory requirements, forming the foundation for a future-ready maritime ecosystem. We intend to publish a series of articles in the subsequent editions to highlight various aspects of this digital journey.

Vision Statement for Digital Transformation

“To establish Indian Register of Shipping as a global leader in digital classification services by leveraging cutting-edge technologies to enhance efficiency, safety, and sustainability in the maritime industry.”



Key Elements of the Digital Journey

Embracing the Future: IRS's Digital Transformation Imperative

To achieve this vision, IRS has embraced a structured approach to digital transformation, integrating key strategic elements that drive change across its operations. Key elements guiding this journey include:

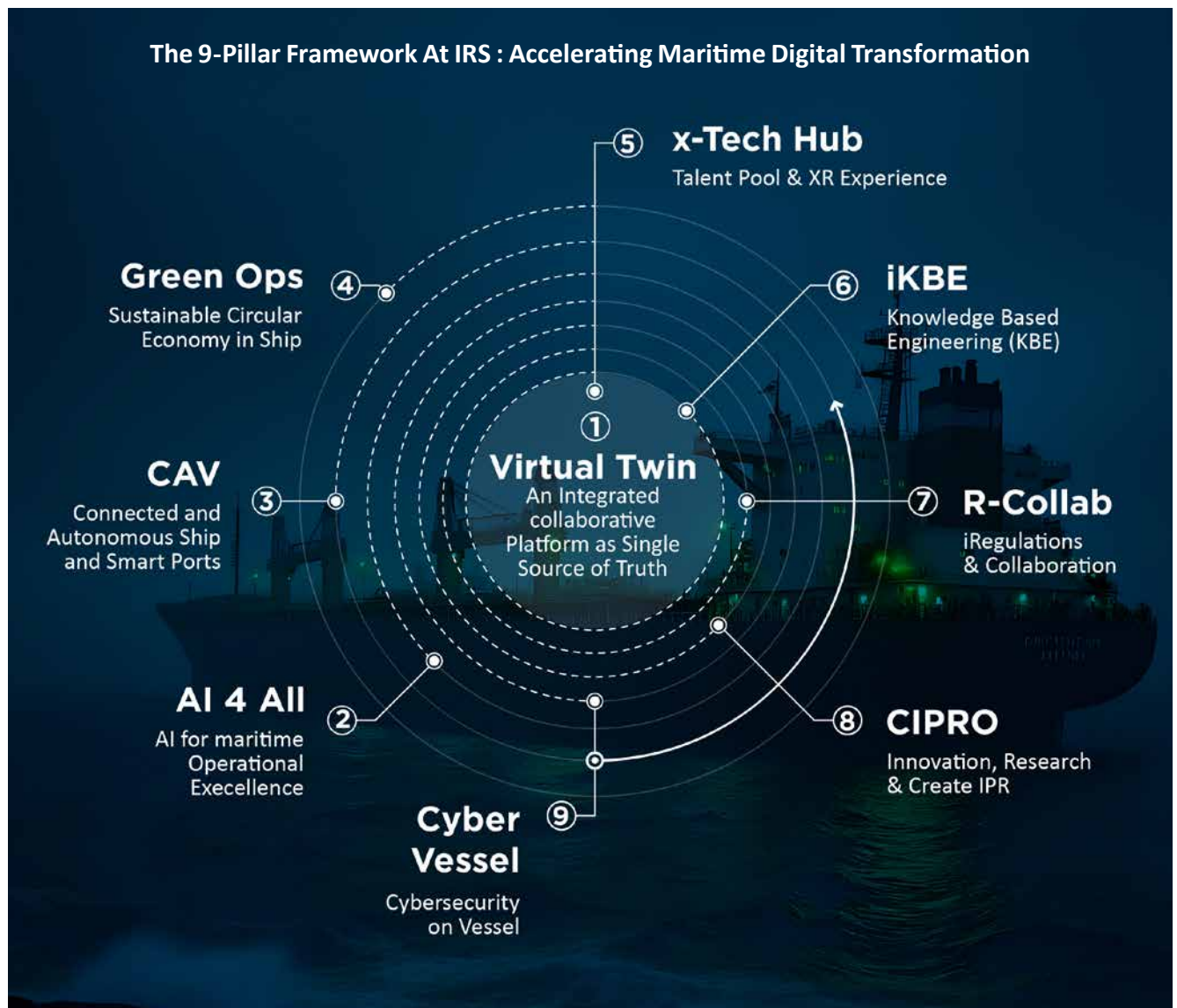
- **Developing Next-Generation Skills** – Equipping the workforce with expertise in Virtual Twin, AI, data analytics, cybersecurity, and automation through continuous learning.
- **Forward-Looking Initiatives** – Anticipating future industry needs with a focus on regulatory compliance and sustainability.

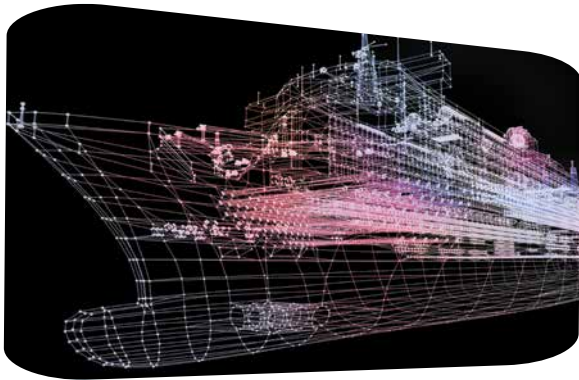
- **Staying Competitive** – Embracing agility and innovation to maintain a competitive edge.
- **Unlearn and Relearn** – Replacing outdated methods with advanced digital solutions.
- **Digital-First Culture** – Integrating technology into all operational facets.
- **Research & Innovation** – Investing in R&D and partnerships to drive maritime digitalisation.

These elements form the backbone of IRS's 9 Pillars of Digital Transformation, ensuring a holistic and interconnected approach to modernisation.

Navigating the Future: The 9 Pillars of Digital Transformation at IRS

To drive efficiency, sustainability, and innovation, IRS has identified nine core pillars, each interlinked to build a comprehensive digital transformation framework:





1. Virtual Twin: Revolutionizing Maritime Digitalisation & Collaboration

It bridges the Physical and Digital Worlds for Next-Generation Ship Lifecycle Management. This pillar forms the foundational base for all other pillars, enabling seamless collaboration and driving innovation. The Virtual Twin is at the heart of maritime digital transformation, enabling an integrated, collaborative platform and a single source of truth for all stakeholders in the shipbuilding and operational ecosystem. By leveraging real-time data, simulation, AI-driven analytics, rule-based prescriptive analysis, and centralised document & knowledge management, the Virtual Twin enhances efficiency, safety, and sustainability throughout a ship's lifecycle.

By deploying Virtual Twin technology, IRS aims to reshape maritime engineering, streamline regulatory approvals, enhance document & knowledge management, and drive operational excellence. A connected, data-driven ecosystem will future-proof the industry while ensuring efficiency, resilience, and sustainability in global shipping.



2. GreenOps: Driving a Sustainable Circular Economy in Shipping

The maritime industry is undergoing a paradigm shift toward sustainability, decarbonization, and circular economy principles. As a classification society, IRS plays a pivotal role in ensuring that ships, from design to decommissioning, align with global environmental goals, regulatory compliance, and industry best practices.

Key Areas & Digital Technologies Enabling GreenOps:

Key Areas:

- Sustainable Fuels & Alternative Propulsion Systems
- Lifecycle Sustainability & Circular Economy in Shipbuilding
- Performance Monitoring & Carbon Footprint Reduction
- Charging Infrastructure & Electrification of Shipping
- Sustainable Supply Chain & Green Procurement
- Regulatory Compliance & ESG Reporting

By integrating digital technologies across these key areas, GreenOps will accelerate sustainable transformation in shipping, ensuring compliance, efficiency, and environmental responsibility while fostering a greener, circular economy in maritime operations.



3. CAV - Connected and Autonomous Ships & Smart Ports

The maritime industry is rapidly evolving toward connected, autonomous vessels (CAVs) and smart port ecosystems, leveraging cutting-edge technologies to enhance efficiency, safety, and sustainability. As a classification society, IRS continues to play a key role in developing standards, guidelines, and frameworks for secure, safe, and optimized ship and port operations.

Key Areas:

- Software-Defined Ship (SDS) & Autonomous Navigation
- Safe, Secure & Efficient Autonomous Ships
- Connected Ship & IoT-Driven Operations
- Smart Ports & Optimised Cargo Handling
- Vessel Traffic Management & Port Efficiency

By integrating AI, IoT, automation, and data-driven intelligence, CAVs and smart ports will drive the future of seamless, secure, and efficient maritime operations. IRS continues to lead in standardising regulations, fostering adoption, and ensuring interoperability for the next-generation maritime ecosystem.



4. AI 4 ALL – AI for Maritime Operational Excellence

The maritime industry is rapidly evolving toward connected, autonomous vessels (CAVs) and smart port ecosystems, leveraging cutting-edge technologies to enhance efficiency, safety, and sustainability. As a classification society, IRS continue to play a key role in developing standards, guidelines, and frameworks for secure, safe, and optimized ship and port operations.

Key Areas:

- By integrating AI, predictive analytics, and blockchain, the maritime industry can unlock new levels of efficiency, sustainability, and safety. IRS strives to drive AI adoption through standardization, regulatory frameworks, and collaboration with industry stakeholders to future-proof maritime operations.



5. CyberVessel – Cybersecurity on Vessel

With the increasing adoption of digital technologies, automation, and connected systems, maritime cybersecurity has become a critical priority. Ensuring the security and resilience of both IT and OT (Operational Technology) infrastructure is essential for safe and uninterrupted vessel operations.

Key Areas:

- Comprehensive Cybersecurity Framework
- Secure IT & OT Integration
- Cyber-Physical Systems Security
- Threat Detection & Incident Response
- Zero Trust Architecture

- Regulatory Compliance & Risk Management
- Secure Remote Access & Monitoring
- Cyber Awareness & Training



6. CIPRO – Innovation, Research & Create IPR

Fostering a culture of continuous innovation and research is essential for driving the maritime industry's digital transformation. CIPRO focuses on co-creating cutting-edge solutions, generating intellectual property, and contributing thought leadership to shape the future of shipping.

Key Areas:

- Culture of Innovation & Co-Creation
- Intellectual Property (IPR) Development
- Research & Whitepapers
- Market Trends & Technology Insights
- Productivity Enhancement through Innovation
- Thought Leadership & POV (Point of View)
- This pillar strengthens IRS's role as an innovation leader, ensuring continuous improvement, cutting-edge research, and impactful contributions to the maritime sector



7. R-Collab: iRegulations & Collaboration

In an era of rapid digitalization, fostering strategic partnerships and leveraging AI-driven regulatory intelligence is crucial for ensuring compliance, efficiency, and innovation in the maritime industry. R-Collab focuses on intelligent regulations, collaborative ecosystems, and AI-powered solutions to streamline rulemaking and compliance processes.

Key Areas:

- iRegulations & Smart Compliance
- Tech BOT Support for Regulations
- Collaborative Ecosystem for Maritime Compliance
- Intelligent Decision Support Systems
- Regulatory Frameworks
- Collaboration and partnership for various key pillars

This pillar aims to revolutionise maritime regulations through digital intelligence, fostering seamless collaboration while ensuring a more agile, transparent, and future-ready compliance framework.



8. iKBE - Knowledge-Based Engineering (KBE):

Incorporating Knowledge-Based Engineering (KBE) into maritime design and engineering enhances efficiency, innovation, and automation. By leveraging tacit and explicit knowledge, we can create intelligent, rule-based and knowledge-based design and CAE applications that optimize shipbuilding and lifecycle management.

Key Areas:

- AI-Powered Knowledge Capture & Automation
- Platform-Based Modular Design
- CAE-Driven Engineering Solutions
- Productivity Improvement through KBE
- Technology Development

By embedding KBE methodologies within digital transformation strategies, we enable a more agile, data-driven, and efficient approach to ship design and engineering, reducing costs, enhancing innovation, and driving sustainability



9. xTech Lab: Talent Pool & XR Experience

A future-ready maritime industry demands a skilled workforce, immersive learning, and cutting-edge digital expertise. x-Tech Lab serves as a framework to develop talent, reskill and upskill employees, bridge industry-academia gaps, and create transformative XR experiences (Extended Reality combines Virtual Reality, Augmented Reality and Mixed Reality) for internal and external stakeholders.

Key Areas:

- Building a Future-Ready Workforce
- Reskilling & Upskilling Initiatives
- Bridging Industry-Academia Gaps
- XR Experience Zones
- In-House Digitalization Team

By fostering a culture of continuous learning, digital readiness, and immersive experiences, X-Tech will empower IRS to navigate the future with confidence and expertise.



IRS Partners with Dassault Systèmes for Digital Transformation

To accelerate this transformation, IRS has partnered with Dassault Systèmes, leveraging Virtual Twin technology via the 3DEXPERIENCE platform. This partnership integrates IRS's digital initiatives with global best practices, resulting in:

3D-Classification: Enhancing transparency, accuracy, and efficiency by replacing traditional 2D models with interactive digital twins.

End-to-End Digital Traceability: Ensuring data-driven decision-making across vessel lifecycles, reducing redundancy and improving auditability.

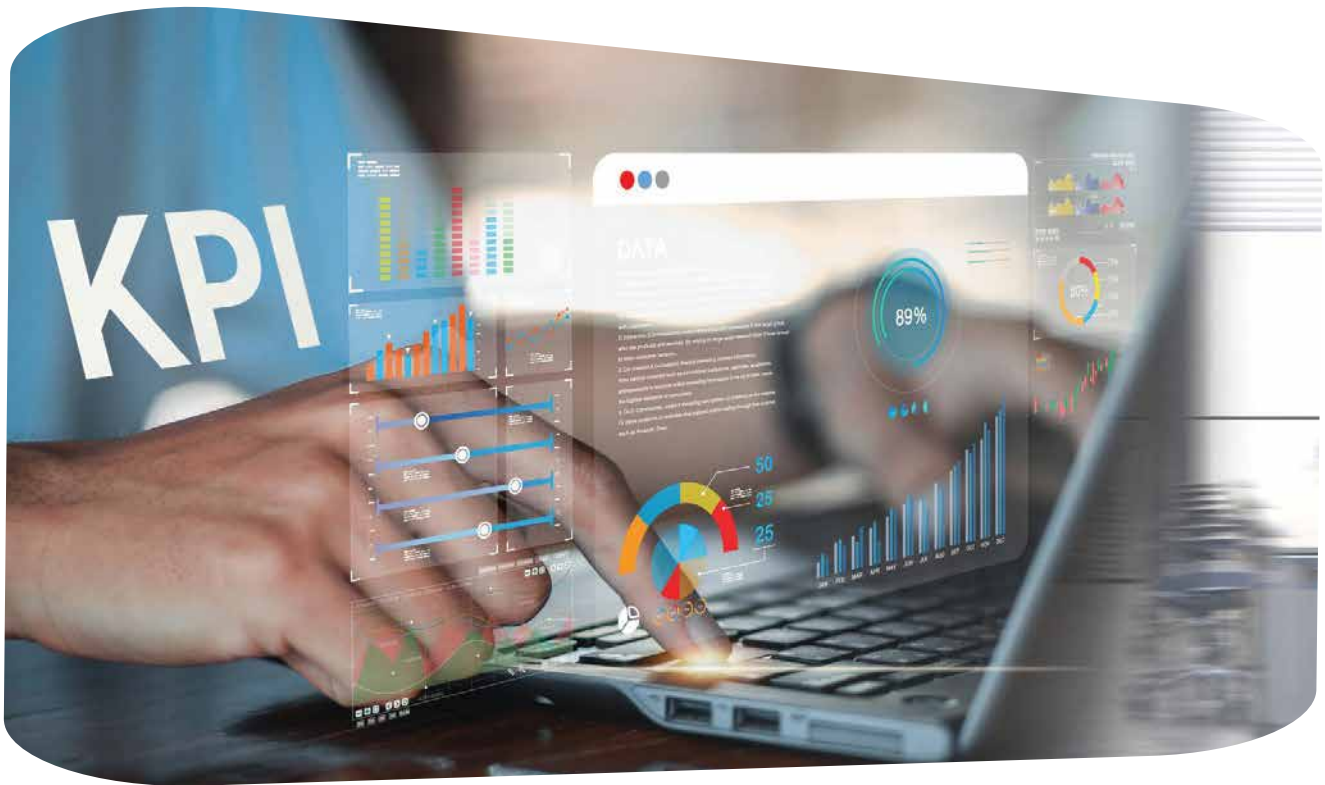
Operational Efficiency: Streamlining shipbuilding and regulatory processes through digital models, minimizing manual interventions and enhancing precision.



Digital Transformation Roadmap

IRS's roadmap ensures that digital transformation remains a continuous, structured, and scalable process:

- Developing an integrated digital ecosystem**
 A unified platform integrating in-house systems and external solutions for seamless data flow and interoperability.
- Implementing an enterprise-wide project management system**
 Enabling cross-functional collaboration and real-time decision-making.
- AI for Everyone, Everywhere** Enhancing productivity, automating workflows, and addressing complex maritime challenges.
- Digital Workforce Training & Enablement:**
 Equipping employees with digital tools and best practices to foster a culture of innovation and continuous learning.
- Sustaining Digital Transformation Momentum:** Ensuring ongoing projects align with the broader digital transformation framework, fostering long-term growth and efficiency.
- Scaling Digital Success Across Services:**
 Expanding proven digital initiatives across all service areas through a phased and structured approach.
- Advanced Digital Compliance Management:**
 Establishing a comprehensive digital framework for regulatory compliance, ensuring transparency and streamlined governance.
- Generative AI for Rulebook Automation:**
 Implementing AI-powered solutions to automate and enhance maritime rulebook management for improved accessibility and compliance.
- Efficient Knowledge & Document Management:** Enhancing knowledge sharing and document control through a structured digital repository, ensuring easy access and version control.
- Strengthening Global Collaborations:**
 Expanding partnerships with global maritime organizations to drive digital innovation and standardization.
- Achieving Full Digital Automation:** Enabling end-to-end automation in classification, survey, and certification processes for increased accuracy and efficiency.
- AI-Powered Predictive Analytics for Risk Management:** Using predictive AI models for proactive risk assessment, anomaly detection, and improved decision-making.
- Becoming an Industry Benchmark for Digital Innovation:** Establishing IRS as a leader in digital transformation within the maritime classification sector.
- Integrated Solutions for Stakeholders:**
 Creating a connected ecosystem that integrates shipyards, customers, classification societies, and regulatory bodies for seamless operations.
- Transitioning from 2D to 3D-Based Classification:** Advancing from traditional 2D-based classification methods to a 3D model-based approach, enabling greater accuracy, automation, and digital continuity.
- Technology Development as Knowledge-Based Engineering:** Implementing Knowledge-Based Engineering (KBE) to automate design, standardize processes, and drive technology development through AI and digital tools.



Key Performance Indicators (KPIs) and Strategic Benefits

As part of its digital transformation journey, IRS is committed to enhancing agility, efficiency, and profitability by adopting a modernised operating model. This approach will drive productivity, streamline processes, and unlock new market opportunities, ensuring sustained growth and service diversification.

Key Impact:

- **Establish a Single Source of Truth:** Enable seamless data accessibility across the organization, eliminating silos and improving decision-making.
- **Reduce Turnaround Time for Complex Projects:** Leverage digital tools to optimise workflows and enhance operational efficiency.
- **Standardise Processes & Centralise Data:** Strengthen analytics and business intelligence capabilities for better insights and strategic diversification.
- **Enhance Ecosystem Collaboration:** Foster stronger partnerships among owners, shipyards, and technical management (TM) firms for improved project execution.
- **Ensure Compliance with Environmental Regulations:** Implement digital solutions to meet evolving sustainability standards and regulatory requirements.
- **Accelerate & Streamline Certification Processes:** Digitize workflows to improve accuracy, efficiency, and transparency in classification and certification.

By fostering a culture of continuous learning, digital readiness, and immersive experiences, X-Tech will empower IRS to navigate the future with confidence and expertise.

IRS remains committed to leveraging cutting-edge technologies and innovation to redefine maritime classification services. By seamlessly integrating digital transformation across its operations, IRS is not only preparing for the future but actively shaping it.

Disclaimer: The insights expressed in this article are part of an evolving journey and will be updated as digital transformation progresses.

IRS Rule Development History: Part III – 2010 till present (IRS as a Member of IACS)

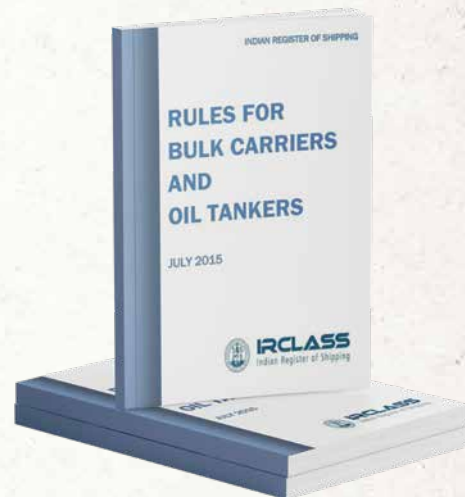


IRS achieved a very important milestone in 2010 by becoming a Member of IACS. This opened doors for more active participation in all panels and working groups of IACS which helped to improve the knowledge on the background of various developments. IRS also realised the need for development of many new Rules to keep abreast of other IACS members.

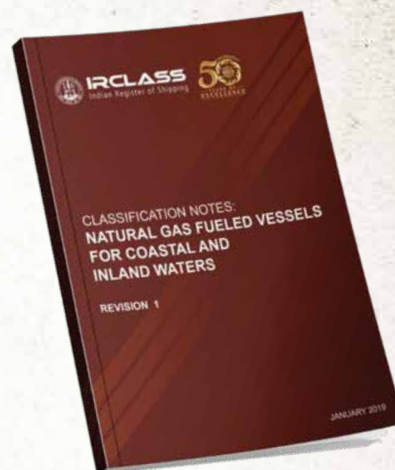
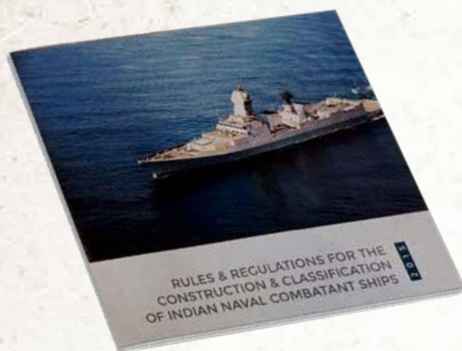
Mr. M. V. Ramamurthy continued as Chairman of Technical Committee during this time. At the 81st meeting in December 2011, Cmde R Ghosh of GRSE was appointed as the Vice Chairman of Technical Committee for 2012 and 2013. Mr. I. N. Bose of Great Eastern Shipping was appointed as Vice chair in 2015. He was followed by Mr. Rajeev Nayyar (President IMEI) who took over as Vice Chair in 2022.

IRS had published Rules for Indian Coast Guard ships based on the Naval non-combatant ships approach in 2009. However, as requested by the Coast Guard, a fully revised Rule based on the high speed crafts concept was developed for the Indian Coast Guard ships in 2015.

With IRS as IACS Member, the role of Technical Committee expanded by including the review of the draft Common Structural Rules and Rule change notices of IACS, thereby getting the opportunity to give comments of the Committee before IACS finalised the Rules. This process started in 2013 when the draft Harmonised CSR was initially discussed by the Committee.



With the implementation of Goal Based Standards in SOLAS by IMO, it became necessary to undergo GBS Audits of Class structural rules for Bulk carriers and Oil tankers. IRS submitted detailed documentation consisting of justification of compliance with the functional requirements of the GBS and the draft Rules for Oil tankers and Bulk Carriers including the adopted IACS CSR for GBS audit in 2014. The findings of the audits were provided in 2015 and progressively closed by modification of the Rules and/or providing justification as needed. IRS published its Rules for **Oil tankers and Bulk carriers** effective from July 2015 after approval by the Technical Committee.



During this time, in order to support the developments of the Industry, the Rule development activity was augmented, and four technical committee meetings were held regularly from the year 2016. The hard work of IRS in the development of the Rules and the effort of Technical committee Members in reviewing and approving the Rules resulted in exponential growth in the number of published Rules, Classification Notes and Guidelines by IRS.

Offshore structures was identified as another area where IRS needed development of Rules as the involvement of IRS was limited compared to other Societies. IRS developed and published Rules for fixed offshore structures in 2015 and for Floating Offshore units in 2017. These Rules addressed classification of Offshore Jacket structures, Floating Production and Storage Units (FPSOs), Floating Storage Units (FSOs) etc.

With respect to Inland vessels, the special ship types chapters in **Part 5 of Inland waterways vessels rules** were developed progressively from 2017 including the Rules for Oil tankers, Chemical tankers and liquefied gas tankers and a consolidated Part 5 of IW Rules were published in 2019.

Two important areas of interest for technological and regulatory developments both globally and in the Maritime domain has been on **“Decarbonisation”** and **“Digitalisation”**. This resulted in the need for many Rules related

to these topics and IRS started developing such Rules/ Guidelines which were published progressively.

In support of the Govt. of India's interest to promote gas fuelled vessels for Inland water operation, IRS developed Rules for Natural gas fuelled vessels for coastal and inland waters in 2017 in consultation with the Industry.

IRS continued development and updating of Guidelines for **alternative fuels and technologies** generally based on the developments at IMO and technological developments on decarbonisation. At present, IRS has lately published Guidelines on Methanol, LPG, bio-fuel and Ammonia fuelled vessels, Hydrogen based fuel cell as well as battery propelled vessels.

The Guidelines for battery propelled vessels and Hydrogen fuel cell propelled vessels have already been used in building Inland waterways ferries in India.

Similarly, in the area of digitalisation and cyber security, IRS has been active in contributing to the development of IACS resolutions and implementing the global advancements in its Rules and Guidelines. IRS published Guidelines for maritime Cyber Security in 2017 which was followed by Class notations in the Rules and Classification notes on cyber secure components which were updated over the years. Noting the developments at IMO on Marine Autonomous

Surface Ships (MASS), IRS developed Guidelines on autonomous surface vessels and remote controlled vessels, which has found application in the development of small remote controlled vessels in Indian shipyards.

It is worth noting that during the COVID years, the activities of Rule development and Technical Committee were maintained through discussions by correspondence and on-line meetings. For a period of two years, (i.e from the 112th meeting of TC in May 2020 to the 119th meeting in February 2022), Technical Committee meetings were held by correspondence followed up by on-line meetings for discussing the comments of Members.

The Naval Combatant ships Rules which were published in 2015 needed updating based

on a gap analysis carried out by the Navy to incorporate their latest requirements and practices. These Rules also had to be updated to cover the relevant changes to IACS and IMO requirements. IRS worked on a major revision of the Naval Rules in consultation with the Indian Navy and a revised Naval Ship Rules were released in 2023 applicable to both Combatant and non-combatant Naval ships.

IRS Main Rules Part 3 for Hull structures were originally published in 1988 and it was felt that these Rules needed a thorough revision based on the new net scantling approach and principles used in IACS CSR as well as to address the gaps with respect to the latest Rules of other Classification societies. IRS embarked on a detailed study and research to revise the hull rules incorporating net scantling approach,



revised corrosion margins, design loads based on Equivalent design wave principle, addition of chapters on direct strength analysis by FEM, Fatigue analysis etc and published revised part 3 of the Main Rules in 2024. This part is made in two volumes with a view to address all the new requirements which have been added.

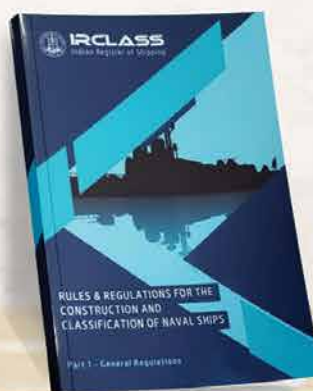
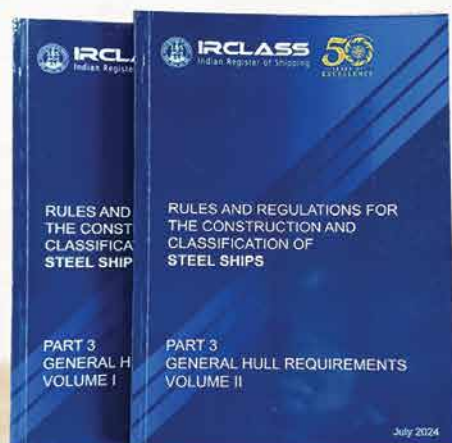
The untiring efforts of the strategic research team of IRS and help from plan approval experts have mainly contributed to this significant development.

Apart from the above, IRS has developed and published many other Rules and Guidelines to meet the needs of the maritime industry in recent years. Some of the significant ones are Rules for Pleasure crafts and yachts, Rules for small craft, Rules for Windfarm service vessels

and Wind turbine installation units, Guidelines for Lifting appliances, Guidelines for Underwater radiated noise and measurements etc.

All these developments have been made possible with the dedication and hard work by the rule development team at IRS and the diligent review and approval by the Technical Committee at their regular meetings.

In future, the thrust areas of digitalisation and decarbonisation are expected to continue with the global developments. The various published guidelines on these aspects will be further updated and converted into Rules along with the technological and regulatory progress in the Maritime field.



Cochin Shipyard and IRS - A Partnership of Excellence



Mr. Madhu S. Nair
Chairman & Managing Director, CSL

I am delighted to express my appreciation for the exceptional support and collaboration we have received from Indian Register of Shipping (IRS). CSL has enjoyed a long and fruitful partnership which began in 1981 with our first ever new build bulk carrier vessel MS Rani Padmini and successfully continues to this day.

Our partnership with IRS has been instrumental in driving innovation and excellence in Indian shipbuilding industry and in the successful execution of numerous complex projects at our shipyard in both commercial and naval sectors. We are proud to mention our collaboration on the Technology Demonstration Vessel for DRDO and the "500 passenger cum 150 MT Cargo" vessels for the Andaman & Nicobar Administration which are significant milestones in the Indian shipbuilding industry. IRS's proactive investment in future technologies is reflected in their association with CSL for the successful design, construction and classification of India's first indigenous hydrogen fuel cell vessel. It is a testament to the technical expertise and innovative spirit of the IRS team. Their assistance pioneered the future of hydrogen fuel cell technology in Indian industry and maritime sector as a whole.

IRS has demonstrated remarkable adaptability and responsiveness in addressing the unique challenges, providing valuable insights and support throughout the design and construction phases.

The classification services provided by IRS have not only enhanced the credibility and reliability of our vessels but also facilitated their compliance with international regulations and standards. Their commitment to excellence, customer-centric approach, and willingness to innovate have made them an invaluable partner for CSL.

CSL's capabilities are further enhanced by other technical services offered by IRS ranging from FEM analysis, noise & vibration, advanced structural to advanced design studies, which helped to indigenise the design ecosystem and push the boundaries of ship design sector.

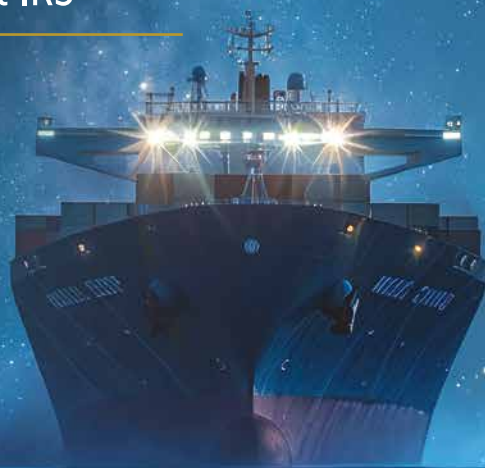
IRS survey team is instrumental in overcoming technical and construction issues in both new build and repair activities with timely and pointed support. Their guidance and oversight ensured that our vessels met the highest standards of safety, quality, and environmental sustainability.

We wish IRS all the very best and look forward to continuing our strong partnership in the years to come, as we embark on new and challenging projects that will further strengthen India's maritime capabilities and achieve Atmanirbhar Bharat.



Golden Memories: Mr. Dilip Sarangdhar on His Remarkable Tenure at IRS

Mr. D. G. Sarangdhar
(with IRS from 1977 to 2008)



At the outset, I would like to thank IRS for this opportunity to share my experiences at IRS. Putting down experiences of over three decades in few pages is difficult, one wonders where to start & end. Perhaps it is best to keep it simple, so let me start at the beginning.

I joined IRS in 1977 after my first job in MDL – a five-year stint as a Naval Architect in the Design & Development department, where I worked in the general shift and as a ship repair officer in the second shift almost every day, FOC to MDL. MDL was leading in ship repairs generating excellent profits. So in the five years at MDL, I had double the experience not only in terms of volume but the bandwidth. Armed with this extra knowledge and superior stamina, I was ready for a change and what better change than the well-respected job of a Class Surveyor. My mentor who was then the country head of a well-established class society told me I am a good candidate but will have to wait till 30 years old and also be married – that was the minimum sign of maturity they sought those days! Fortunately, soon came the wonderful opportunity at budding IRS who were looking for Engineers and Naval Architects. My mentor kindly introduced me to the top technical persons at IRS and after a few friendly chats cum interviews; I was told to apply officially. Subsequently,

after a tough probing interview by the staff selection committee which then consisted of many big wigs from the large shipping companies, I was on-boarded in December 1977!

Our office those days was situated on the seventh floor of SCI building, which SCI had so kindly allotted to IRS in the initial stages. Both HO and Mumbai outport shared the premises. IRS was very small then, the top management consisted of Mr. HS Rao who was the CEO and Mr. SR Khare, Mr. HK Taneja and Mr. AK Chopra who had left LRS to join IRS and were the technical leads. In the 1st year after the formation of IRS, Mr. RC Thamba, Mr. AR Chitnis, Mr. Karan Madhok and Dr Pratyush Sen joined IRS. Mr. Sudesh Kumar joined HO soon after me in early 1978. Four bubbly fresh naval architects from IIT Kharagpur – MM Bhingraj, Anis Millwalla, Pranab Ghosh and Sidharth Sarkar formed the third youngest layer. That was the then Head Office plus Mumbai outport. We were a very tight and close unit where knowledge and wisdom flowed freely across all layers. Each one of us brought uniqueness to the common pool and we were all bound by the common nationalistic fervour to succeed against all odds and establish our national ship classification society, IRS.

Our top bosses were always watchful and ever-willing to help and guide in all matters – whether technical or matters related to meaningful life in general. Mr. Rao, our CEO spoke authoritatively on many subjects, one could see the passion in his eyes. His method of teaching was so informal and approach so simple that even the junior most staff would not feel intimidated. Even after nearly 50 years, I still remember the simple key sentences in which he taught the complicated subject of heat treatment in metallurgy; for example the thought provoking golden line : “The grain growth takes place over a period of time “.

Mr. Khare and Mr. Taneja were hard-core marine engineers with all around knowledge related to ship inspection, maintenance & ship construction. They also had immense knowledge of materials and component certification. They were good teachers at the same time were tough task masters. Mr. A K Chopra became my immediate boss and I enjoyed his guidance for many years till he retired. He was a deep-thinking person of few words, had excellent command over how to write things related to classification. He was the Guru amongst the bosses and was always consulted for final versions - especially for replies in complicated matters. Outwardly, the bosses seemed to be very strict & stern, business oriented & serious type guys, but that is far from truth. They all had a great sense of humour, difficult to imagine, but many of us have seen them laughing like kids with tears rolling down from their eyes.

Financially, those were tough times, but the resolve of IRS team was good to withstand the strong headwinds. We were resolute in our vision to build the national ship classification society and slowly added more Surveyors in Mumbai - Mr. Gur Sarup, Mr. Greig Saldanha and Mr. CV Ramaswamy who from BHEL Trichy, brought a huge expertise in materials & advanced welding technology. IRS team in Kolkatta was already strong under Mr. S Chandra joined by Mr. JP Chopra and Mr. KK Tandon. Our passion and sacrifices helped us grow slowly & steadily

and soon in 1982, we were able to move into our own office at 72 F Maker Towers, Cuffe Parade, Mumbai. Wow!

The new office offered much larger space, and IRS was ready to grow rapidly. Unfortunately, we lost our beloved CEO Mr. HS Rao early in the new office; Mr. SR Khare took over as CEO and the team re-built itself. Mr. Vipon Chopra, Mr. Subhash Paranjape, Mr. Gautam Dhawan, Mr. Satish Rao (our 1st specialized electrical engineer) and Mr. UB Ranadive joined in Mumbai and Mr. PP Singh, Mr. IN Bose, Mr. Arun Shrivastava & Mr. Sarosh Tangri in Kolkata. The freedom of own premises was perhaps a trigger for many good developments and IRS started looking into growth beyond traditional classification services. IRS team now had many future star performers who had been carefully sourced by the management from varied backgrounds. No wonder therefore that this bouquet was especially fragrant! Above all, the HO + Mumbai Outport team was a great example of team spirit and commitment. Collectively we shared everything – not only our daily lunch, small celebrations & achievements, time-outs and picnics, birthdays & family events and our kids & parents too!

I know that all above-mentioned colleagues cherish this period as one of the best periods in our lives, professionally and socially. The friendships formed then, are still very strong.

Personally, this period was good for me for many reasons – firstly I got married and secondly, I was posted to supervise construction of 5 OSVs for ONGC, to be built in Singapore in less than 18 months. (Our team of Gautam Dhawan, Satish Rao & yours truly did very well !).

From the painful and tedious use of the shared 500MB CPU over 1-hour slots at TIFR, we had moved towards owning our own servers for Survey data and HP standalone computers by 1990s, thanks to the special interests and skills of Anis Millwala.

We gathered sufficient knowledge & skill in Quality Management Systems, many of us underwent the training and became certified QMS auditors. We wrote our own QMS and started offering QMS certification services. Momentum was gathering to achieve QMS certification to IACS standards – which was a mandatory requirement even for the Associate Member status at IACS. Writing QMS for normal IRS ship classification part was very tricky with so many internal experts, but we enjoyed long evenings, or rather nights, writing the final documents.

By this time IRS needed more space and added small offices on sixth floor for Admin and on the sixteenth floor where part of Technical Services & IRQS were relocated. The government had allotted us the land at Powai zone reserved for R & D bodies and Training Institutions and the plans for building our own office were afoot. However, the site was not a easy one- being one of the “Twin hills” of Powai – the foot print was low and one could not go high being in the aviation path. We had to resort to part demolition of the hill to give sufficient footprint to build. Further trouble came our way, because the hill was full of rocks which would normally have been good news, to be blasted and used as building material. But that was not the case, our rock was weathered & porous – meaning it would leak when blasted and the output would be low. Also the fragments would always have sharp edges making it suitable for even road surfacing. Trouble every way. Finally, we used it in the huge Gravity walls that form our boundary with SCI and elsewhere. Wondering how come I know so many details, ha ha! I was amongst the thick of this project – during the land development as well the design and construction stage. Voluntary job in addition to the responsibilities of Plan approval, Rule Development etc at HO. Once the actual construction started, Mr. C. V. Ramaswamy (CVR) swung into action to monitor and trouble shoot any problem – even before it occurred. Trust us, commercial building construction is not our cup of tea. Given the constraints of not being commercial builders, CVR and me have spent many days sitting on the famous wooden bench outside the office of Engineers at Ghatkopar BMC. But finally, we succeeded with utmost patience & thanks to the special connection CVR has with the almighty!

The building was in fact completed slightly before time and the quality of construction was well appreciated then and can be seen even now after good 30 years.

We shifted to our Powai office in 1994 and that has really been the turning point - IRS has progressed on all fronts ever since.

After successful audit, IRS became Associate member and started participated in all IACS working groups covering hull, machinery, survey & safety aspects, rubbing shoulders with the best in the field. Not only receiving but also contributing to the Joint Group activities. I also had the opportunity to be a member of the IACS Working group on Strength of Ships, the group was then tasked with writing the unified requirements for bulk carriers after the spate of serious failures of large bulk carriers in 1990s. Later I continued with the group as a member of Hull Panel. In this regard, I would like to make a special mention of the work done by our newly formed Structural Analysis Group, consisting of few 25 years old bright engineers; in developing computational methods for estimation of fatigue life of ship structures.

Our group surprised the teams of many established class societies both with the speed of software development and its accuracy.

This special skillset of our R & D sections didn't go un-noticed and later helped us win a major contract for writing rule-based scantling calculation software for a major class society.

Encouraged by these successes we decided to further develop our capabilities on the twin subjects of i) Hydrodynamic Analysis which gave more information on the “Loads” and ii) the Structural Analysis which gave detailed information on the “Response”. We sponsored research projects at IIT and encouraged our Surveyors for higher studies including for the doctorate degree. It is indeed good to know that both these programs have flourished well and IRS has increased its capabilities multi-fold.

Faced by acute shortage of Surveyors, we experimented in 2005 with a scheme to create our own designer cadre.

We recruited 40 first class engineers, selected on the basis of pan- India written examination followed by rigorous interview and trained them ourselves. Syllabus of the yearlong course was specially cured to include all that a class Surveyor needed to know and more. The schedule was tight - 8 hours of lectures everyday followed by homework. Saturdays were for presentations by students and life experiences from seniors and the dreaded surprise tests. In return we offered good stipend and assured job. Dispelling initial doubts, the program was a huge success. Most of these “YoungEngineers” continue to serve IRS in responsible positions. The remaining are shining examples in maritime industry in India & abroad. The course was repeated for two more years.

Rule Development has always been a major function of HO and it is good to note that the department has now come a long way

and has very skilled resources covering all important fields. Development of IRS Rules for Naval Ships has always been dear to me, the 1st edition of these rules were developed under my special responsibility – in fact this was the last important thing I did before retiring from IRS.

Friends, in this story, I have tried to include all important and happy aspects but likely to have missed a few. I also seek your understanding if you find it a bit HO centric. I congratulate IRS on what they have achieved today on all fronts and would like to congratulate the Management and the Heads of each and every department & section for the excellent work done.

Finally, in this happy state of mind, I would like express the feeling of us oldies with a very apt couplet from the song “Mogara Phulala” written by Saint Dnyaneshwar ...

**Evalese Rope lavviyele dwari,
Tayacha velu gela gaganawari,
Mogara Phulala.... Mogara Phulala**

(Small little sapling planted near the entrance, Has grown in to a tall tree reaching the sky,
Mogara is in full bloom..... Mogara is in full bloom)



Message from Samsung Heavy Industries

M.J.Kim
Shipbuilding PM Team
Samsung Heavy Industries

First of all, I sincerely congratulate Indian Register of Shipping on its 50th anniversary. The Reliance FPSO construction, which our company and Indian Register of Shipping carried out as one, has been successfully completed, and the passion and dedication shown by IRS while performing the construction are still vivid in front of our eyes. We hope that the business relationship between SHI and IRS will progress more in the future, and we will always support it.

For the past five decades, IRS has been playing an important role of ensuring maritime safety, quality, and innovation, playing a vital role in the global shipping industry. As the maritime industry evolves with new technologies, digital transformation, and a strong focus on sustainability and decarbonisation, IRS continues to play a crucial role.

As a valued partner, Samsung Heavy Industries deeply appreciates IRS's contributions in shaping a safer and more sustainable maritime future. We are proud to celebrate this incredible journey with you and look forward to continued collaboration in the years ahead. Once again, congratulations to IRS on the 50th anniversary!



Wishing that you have good memories of the Naming Ceremony
1,031,768 BARRELS FPSO "KG D6 RUBY"
June 30, 2022 Samsung Heavy Industries Co., Ltd.

Shoft Shipyard Reminisces on its Journey with IRS

Sahay Raj - CMD
Shoft Shipyard



It is truly a privilege for both myself and the Shoft team to celebrate the remarkable achievement of Indian Register of Shipping (IRS) reaching 50 years of exceptional service to the maritime sector, both in India and globally.

As a Naval Architect, my journey with IRS began back in 1979. I was a fresh graduate with minimal experience, eager to learn the complexities of shipbuilding. I often found myself at the doors of IRS, seeking guidance on everything—from preparing plans that would meet rigorous standards and approval to selecting materials, processes, testing, inspections, and certifications.

The invaluable support I received from my peers at IRS during those early years, particularly from Mr. Dilip Sarangdhar, Mr. Kumar, Mr. Thamba, Mr. Arun Srivastav, and Mr. Padmanabhan, played a crucial role in my growth as a Naval Architect and, ultimately, as a shipbuilder. This journey continues to this day. Over the last two decades, Shoft Shipyard has constructed more than 75 vessels of various types and sizes, many of which were firsts in India, all under IRS class. This success is a testament to the strong relationship and trust we have with IRS. We are deeply grateful for the continuous support from the IRS team.

Throughout my 45 years of association, I have witnessed IRS's phenomenal growth, establishing itself as a renowned class society. We sincerely commend the tireless efforts of both past and present management for their dedication in achieving this remarkable milestone.

On behalf of my entire team at Shoft Shipyard, I extend our warmest congratulations and best wishes to the IRS team for an even greater and more successful journey ahead.



Golden Milestones: A Tribute to 50 Years of IRS Excellence and Our Shared Journey - SLB

At the outset, on behalf of SLB, we extend our heartfelt congratulations to the Indian Register of Shipping (IRS) on the momentous occasion of their Golden Jubilee—50 years of remarkable service to the maritime sector.

Our journey with IRS began with a pivotal project: the conversion of one of our supply vessels into a well stimulation vessel for operation in the Indian oil fields. This conversion, aimed at addressing the growing demand in offshore oil fields, had to be completed within a very tight delivery timeline. Achieving this milestone would not have been possible without the collaborative approach and expertise of the IRS team.

Well stimulation vessels face inherent risks due to their handling of corrosive chemicals, high-pressure fluids, often reaching pressures close to 15,000 psi, as well as low-temperature fluids like liquid nitrogen. To ensure safety and regulatory compliance with all appropriate rules and regulations, this conversion required an exhaustive engineering review and rigorous inspections throughout the construction phase. IRS was there at every step, approving plans swiftly, conducting thorough surveys, and offering invaluable technical support. Their promptness and precision ensured that the vessel met not only the highest quality standards but also the operational requirements essential for its deployment.

This collaboration led to great success. The SLB well stimulation vessel went on to execute the highest number of jobs for our clients in India during the contract period of three years. This achievement stands as a testament to the

Oscar Javier Rodriguez B
Global Vessels Manager
Stimulation-RP SLB



strength of the partnership between IRS and SLB and how our combined efforts contributed to India's energy security by building world-class vessels.

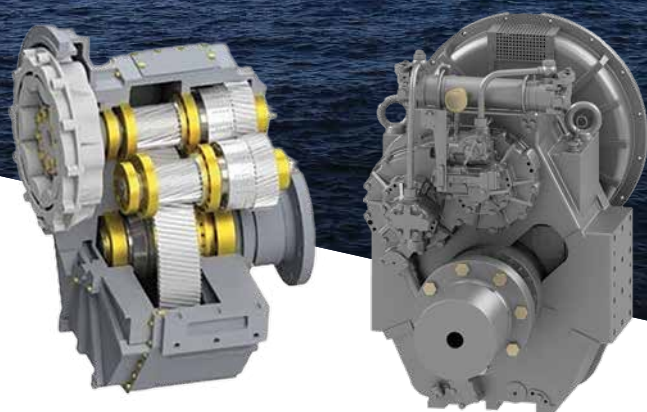
Since then, our relationship with IRS has grown globally. We've worked together on multiple projects, including those in the Middle East, where we've successfully converted vessels for deployment in various oil fields. Currently, we are engaged with IRS on several projects, such as the conversion of offshore supply vessels into well stimulation and well testing vessels.

Over the years, these conversions have become increasingly complex, driven by heightened demands and evolving statutory regulations. A prime example is the recently implemented enhanced compliance standards for offshore support vessels under the OSV Chemical Code. As these regulations evolve, the IRS team continues to be a trusted partner, helping SLB navigate through the complexities of plan appraisal and the stringent requirements for surveys and inspections.

As we celebrate IRS's 50 years of excellence, we reflect on our shared successes and look forward to strengthening our partnership in the years ahead. Congratulations once again to IRS, and here's to many more years of collaboration and achievement.



D-I Industrial Co., Ltd. Commends IRS on 50 Years of Excellence



On behalf of D-I Industrial Co., Ltd., I extend my heartfelt congratulations to IRS on reaching the remarkable milestone of 50 years. This achievement is a testament to the dedication, perseverance, and commitment to excellence that IRS has consistently demonstrated over the years.

As long-standing stakeholders in this evolving industry, we recognize the vital role of continuous improvement and collaboration in achieving such significant milestones. Our partnership with IRS reflects our shared commitment to quality and international cooperation. As a leading equipment manufacturer, D-I Industrial places the utmost importance on product excellence, and we greatly appreciate IRS's prompt and reliable certification services provided through its global offices.

IRS has consistently upheld its dedication to maritime safety, excellence in certification services, and encouragement of innovation. It has been an invaluable partner to D-I Industrial Co., Ltd., supporting various new-building programs and retrofit projects. Our ongoing DMT series certification and QA scheme approval projects further underscore our mutual commitment to delivering uncompromising quality to our stakeholders. We are especially pleased with the exceptional service provided by the IRS local office in South Korea, whose support has been instrumental in helping us uphold the highest standards of product quality.

On this momentous occasion, I extend my warmest congratulations to IRS, its leadership, and its global offices. I look forward to many more years of successful collaboration and continued excellence in service to the global maritime community. May the future bring even greater achievements, innovation, and shared success.

Warm regards,

Kim Jong gyun

Jong-gyun, Kim
President
D-I Industrial Co., Ltd.

Mr. U.B. Ranadive Recounts Cherished Memories from His Time at IRS

Mr. U.B. Ranadive
(with IRS from 1982 - 2017)



It gives me great pleasure to write memoirs of my journey in IRS, on this wonderful occasion of IRS completing 50 glorious years. Today, when I look at IRS and what it has achieved in such a short period, I know that IRS is unstoppable and will achieve much greater heights in future! After joining IRS on 04th March, 1982, I had the opportunity to work in different fields, such as class and statutory surveys, new construction, machinery plan approval, auditing based on various ISO and other standards, training and Quality Management System, ISM and ISPS, inspection of engines, gear boxes and industrial as well as marine components, which I loved. As with every chief engineer joining a shore job, I was anxious about my success and career. Mr. Khare, then CEO assured me on the first day, that I have joined the right organisation which I firmly believe till date. This assurance made me very happy, but the coming weeks were challenging with respect to the variety of jobs and here I was fortunate to be mentored by stalwarts, including Mr. Thamba, Mr. Chitnis and Mr. Taneja.

Initially, training included various important technical subjects including welding, metallurgy, hull repairs, non-destructive examinations and unheard words such as ASTM and ASME. On the job training for our Surveyors was a continuous process and we as young Surveyors used to exchange our survey findings/ recommendations with mentors.

Additionally, Mr. Taneja used to personally interact with us after every survey on the findings and recommendations given to monitor and mentor us.


IRS culture was always very supportive with thorough mentoring in the beginning and adequate backing of the seniors! While IRS leadership was very driving, inspiring, supportive; it expected all Surveyors to be self-propelled.

The mantra at IRS is, was and always will be "There is always something to learn from every assignment". So, each one of us had to gather every piece of knowledge from all available sources to remain updated during the entire career in IRS.

I realised that unless one continually updates his knowledge or competency, one will soon become obsolete due to the new regulations and technological developments.

During all my years in IRS, whenever I asked myself, "Am I happy and enthusiastic to go to office today?", the answer was always a YES!

When the ISO 9001 standard was introduced in 1987, IRS formed a new division IRQS which was accredited by RvA, which earned a good reputation. I was fortunate to lead the same along with Mr. Thamba and certified many industries. It is well known in the industry that obtaining an IRQS certification means that their systems are robust. Today, I am happy to note that IRQS is doing exceedingly well!



The experience thus gained, enabled us, to set up a very robust Quality Management System for IRS marine processes, which is audited by IACS annually since 1996.

Later on, this experience also helped me when I became the MR (Management Representative) and member of IACS QC committee.

In 1994, we shifted to our new Head Office building in Powai. I was then looking after the plan approval machinery and development of survey procedures. I was also conducting various QMS audits to ISO 9001 and QS 9000/ TS16949 standards for which we had to appear for qualification examination every 3 years.

Around this time, IRS took a visionary step and a separate R&D division was formed under the able guidance of Mr. Sarangdhar, who inspired younger generations to give their best, which has helped IRS in all these years!

By 1997, I was transferred to Chennai survey station as SIC for two years and I enjoyed my work there except the weather!

Finally, when I came back to Head Office, I was promoted to Principal Surveyor and took charge of machinery Plan approval & survey procedures again with addition of training and Quality Management System!

I must also mention the special efforts taken by our then Chairman Capt. Anand, who incessantly strived for IRS to obtain IACS membership! Finally, it happened in the year 2010 after 35 years of IRS existence! That was sweetest moment for all of us in IRS.

Subsequently, as Chief Surveyor, I looked after Training, QMS, IT, survey procedures and retired on 30th November 2011 with a heavy heart, lots of memories and a fulfilling career with IRS! After my retirement from IRS, I continued working as independent ACB auditor to audit QMS of other class societies for nearly 3 years till I was called back to IRS to work as full time consultant for Quality and Training in which capacity I worked till 30th November 2017, when I decided to retire again at the age of 71 years after working for 34 years with this glorious organization.

Finally, I would like to give my best wishes to this great organisation, for its bright future with a hope that IRS one day becomes the most preferred Ship Classification Society of the world! Story of IRS reminds me of an ancient philosopher who said long ago,

“Day by day, what you choose, what you think and what you do is who you become!”



CMMI Applauds IRS on Its Golden Jubilee Milestone



Capt. M. P. Bhasin,
Chairman – The Company of Master Mariners of India (CMMI)

On behalf of The Company of Master Mariners of India (CMMI), a professional body of Nautical officers, I extend our heartiest congratulations to the Indian Register of Shipping (IRS) on reaching its remarkable milestone of 50 years.

CMMI was founded in 1957 with a vision to promote the knowledge, traditions, and standards of the Mercantile Marine in the maritime sector, contributing significantly to the national and global shipping industry.

CMMI & IRS share close bondage and relationship which has been amply manifested continuously with various co-operations among both associations.

Indian Register of Shipping was established in 1975 with the vision for India, a leading maritime nation to have its own classification society. The 50 years journey of IRS is testament to the strong dedication and hard work of its leaders and all who made this a world class classification society by their unwavering commitment.

Today IRS stands tall among Class organisations of the world and have also Chaired the IACS successfully for its full term. Their ongoing commitment to providing high-quality classification services with focus on technology evolution and maritime safety has made IRS a trusted and innovative organisation in the maritime industry.

CMMI's strong relationship with IRS has seen many collaborations and knowledge sharing in promoting maritime sector. Members from CMMI with domain expertise have been a part of IRS programmes as well as in IRS expert technical committee. Various seminars, workshops and discussions on ever changing technology advancement in shipping has been regular part of collaboration with IRS through CMMI

experienced professionals. IRS has been providing training programs and its facilities for same for shipping industry as per the requirement which is most sought after. We cherish the memories of our joint endeavours, from the development of new standards and guidelines to the organisation of conferences and seminars. Our partnership has been built on trust, mutual respect, and a shared commitment to excellence.

CMMI will always work closely with IRS and provide all the Nautical expertise to see that IRS grows and takes along with it the robust development of entire Maritime sector of the country that is poised to grow leaps and bounds in the ensuing years.

As we look to the future, we are excited about the opportunities and challenges that lie ahead. We recognize that the maritime industry is undergoing a period of rapid transformation, driven by technological innovation, environmental concerns, and shifting global trade patterns. We believe that our community must continue to adapt and evolve, embracing new technologies, developing new skills, and fostering a culture of innovation and entrepreneurship. The Company of Master Mariners of India is committed to working with the Indian Register of Shipping and other stakeholders to promote the interests of the Indian maritime community and to contribute to the growth and development of the global maritime industry.

Once again, congratulations to everyone associated with IRS on this remarkable journey of their golden jubilee. May the next 50 years of IRS have much more greater success and achievements.

CMMI is honoured to have been a part of the Indian maritime community and look forward to continuing our collaboration with the Indian Register of Shipping in the years to come. Together, we can build a brighter future for Maritime industry and for our nation.

'ICC Shipping Association' (ICCSA), Journey of Collaboration with Indian Register of Shipping

Capt. Vikas Vij
President – ICCSA



On behalf of 'ICC Shipping Association' (ICCSA), it is my honor to extend our heartiest congratulations to 'Indian Register of Shipping' (IRS) for reaching this momentous milestone of celebrating 50 years in the service of the nation. As a class of choice for most of our member companies, we take special pride that IRS is one among the very few classification societies as member of 'International Association of Classification Societies' (IACS) among hundreds of societies in the world. It is also a matter of national pride that IRS is giving its valuable services to more than 50 prominent maritime flag states today with widespread overseas presence.

Our ICCSA members not only collaborate for vessels built under IRS class supervision & classed, but are also examined by IRS as Recognized Organisation (RO) of Flag State of India. IRS guides them for all statutory renewal certifications and audits with detailed and clear criteria for each periodic examination. With large network of Survey Stations, IRS covers the entire coast line of India including offices present in hinterland too. Irrespective of the port of call, it is always convenient and possible to get the vessel examined and services availed. Over the last few years IRS has made tremendous progress to go digital, paperless and yet there is always a relevant Surveyor available to clarify all your doubts and guide on compliance. While Indian flag state is able regulator, IRS in view of their large technical expertise breaks it down with detailed checklists in easy formats and supports to

achieve objectives. The 'ICC Shipping Association' regularly meets with IRS to bring maximum benefits for its members by keeping the costs reasonable and yet high quality surveillance of ships and efficiency is achieved.

ICCSA appreciates the services provided during COVID, while adhering to protocol

Union Budget of India 2025 has announced INR 25000 Crore (approximately USD 3 Billion) Maritime Development Fund, which is a strategic push for ship building among other tax breaks, policy reforms and key incentives. Fund is for long term financial support to ship building and repair sectors addressing need for sustained capital infusion. India is actively seeking international collaborations to integrate global best practices and technologies. IRS will have a large role to play for augmentation of ship building Infrastructure, suggest innovative ship designs in view of its vast R&D infrastructure and HR resources. As per Maritime Vision 2030 & Maritime Amritkaal vision 2047, India aspires to be a formidable Global Maritime Nation. We believe that with the expertise and collaboration of IRS, Indian Maritime eco system will develop in structured way and contribute to attain the visionary objectives of MoPSW, together with maritime stakeholders.



Reflections, Memories, and Perspectives

Indian Marine Designers Association (IMDA).



Mr. Sajeendra K. Nambiar
President, Indian Marine Designers Association

As we celebrate the Golden Jubilee of the Indian Register of Shipping (IRS), it is a moment of immense pride and reflection for all of us at the Indian Marine Designers Association (IMDA). The journey of IRS over the past fifty years is not just a testament to its resilience and commitment to excellence, but also a reflection of the growth and evolution of the Indian maritime industry.

Reflections on the Journey

The establishment of IRS in 1975 marked a significant milestone in India's maritime history. Over the years, IRS has played a pivotal role in setting high standards for ship classification and certification, ensuring the safety and quality of our vessels. As marine designers, we have always found a reliable partner in IRS, whose rigorous and time tested standards have pushed us to innovate and excel in our designs.

Cherished Memories

All our member companies have had their share of exciting memories having worked with IRS on various naval and commercial vessels.

The Indian Marine Designers Association (IMDA) was formed to represent ship design companies in India, fostering collaboration, skill development, and sustainability within the marine design sector. It is still at its early stages as an association. We did have a few interactions with IRS – especially connected to creating a common platform for providing software as a service to the ship design companies in India. The initiative and active discussions carried out by IRS for this matter is fondly remembered at this occasion.

Perspectives on the Future

As we look to the future, the role of IRS will be even more critical. The maritime industry is on the cusp of significant transformation driven by policy initiatives, advancements in technology, and a growing emphasis on sustainability. IRS's commitment to innovation and excellence will be crucial in navigating these changes which would involve many challenges to be overcome together. At IMDA, we are excited to continue our collaboration with IRS, working together to design ships that are not only efficient and safe but also environmentally friendly.

The Golden Jubilee of IRS is not just a celebration of its past achievements but also a beacon of hope for the future. On behalf of the Indian Marine Designers Association, I extend my heartfelt congratulations to IRS and look forward to many more years of fruitful collaboration and shared success.

Work Culture at Indian Register of Shipping: A Legacy of Excellence and Innovation



Ms. Deepa Suvarna

Dy. General Manager, HoD - HRD

Dr. Suman Jha

Vice President, DH - HRD

Over the past 50 years, Indian Register of Shipping has developed a distinctive and enriching organisational culture that truly sets it apart in the maritime industry. Rooted in a deep sense of purpose and guided by unwavering core values, IRS has always prioritised quality service delivery to customers and the wellbeing of its people. At the heart of this commitment lies empowerment, trust and a supportive work climate that fosters success for all.

At IRS, we believe our people are our greatest asset. Our culture is built on the principle of providing our employees with opportunities for growth, both professionally and personally. We offer a wide range of development opportunities, from higher education and international postings to diversity and inclusion initiatives. Our comprehensive training programs and medical and insurance benefits ensure our teams are well-equipped to thrive in their careers while maintaining a healthy work-life balance.

This investment in our employees is not only an investment in their skills but also in the ethical standards that govern our organisation. By empowering our workforce with the right tools and resources, we have created an ethical work environment where integrity is upheld at every level of our operations.

Our commitment to development goes beyond basic skills training. We actively invest in nurturing the potential of our people, providing continuous learning and development opportunities that accelerate their career



growth. From early on, employees are entrusted with responsibilities that develop the requisite skills to lead teams, make impactful decisions, and take accountability. We believe in giving our employees the platform to excel from the outset, fostering a sense of ownership and pride in their work.

At IRS, we also understand the value of global exposure in shaping the careers of our employees. We actively nominate deserving employees to participate in prestigious projects and technical committees of national and international importance. From the International Maritime Organization (IMO) and the International Association of Classification Societies (IACS) to ISO, the European Union, and Joint Industry projects, these opportunities offer our employees the chance to contribute to global discussions and initiatives. The knowledge and experience gained from such forums broaden their perspectives and enable them to make meaningful contributions to the industry on a larger scale.



As a forward-thinking organisation, IRS is committed to continuous improvement and innovation. We believe in going above and beyond to ensure the satisfaction of our customers, positioning ourselves as long-term partners in their success.

Transparency, integrity, and a supportive atmosphere are the cornerstones of our work culture. By fostering a collaborative environment where different perspectives are valued, we create an inclusive atmosphere that encourages creativity, problem-solving, and shared success. It is through this commitment to excellence, driven by innovation, that we consistently deliver exceptional customer service and establish lasting partnerships.



At IRS, we firmly believe that the key to achieving enduring success lies in a culture of trust. We are committed to maintaining an environment that encourages collaboration across multicultural perspectives, where every individual feels valued to contribute their unique ideas and talents. By nurturing such an environment, we ensure that our culture of excellence remains strong and that every employee is motivated to contribute to the collective success of the organisation.



IRS has undoubtedly built a legacy of success over the past five decades, driven by our core values of integrity, innovation, and the empowerment of our people. We remain dedicated to creating an environment where excellence thrives, and our culture of transparency, collaboration, and continuous improvement will continue to guide us towards even greater accomplishments in the years to come.



Key Press Releases



Indian Register of Shipping Marks 50 Years of Excellence with Grand Event in Mumbai, Graced by Shri Sarbananda Sonowal

Indian Register of Shipping (IRS) commemorated its Golden Jubilee with a grand celebration in Mumbai, reflecting on its remarkable journey of 50 years of innovation, service, and leadership in the global maritime sector.

Shri Sarbananda Sonowal, Honourable Union Cabinet Minister for Ports Shipping & Waterways graced the occasion as a Chief Guest along with Guest of Honour Shri Shyam Jagannathan Director General of Shipping, Capt B K Tyagi, CMD, The Shipping Corporation of India, Shri Unmesh Wagh, Chairman JN Port Authority and galaxy of industry stalwarts and maritime professionals.

For details, visit- <https://www.irclass.org/media-and-publications/news/>



IRClass Academy Successfully Concludes Bespoke Training for Zodiac Maritime

The programme included classroom lectures and interactive workshops designed to enhance participants' understanding of RPSL and MLC requirements. Through this specialised training, IRClass Academy is committed to equipping professionals with the necessary knowledge and skills to navigate evolving regulatory requirements

Indian Register of Shipping supports Defence indigenisation through marine component certification

Indian Register of Shipping (IRS) has undertaken the certification of indigenously developed marine components for defence projects, marking a significant milestone in enhancing defence and maritime manufacturing capabilities within the country. The product certifications were conducted in compliance with national and international standards/specifications.

Indian Register of Shipping Reflects on 2024 and Sets Ambitious Goals for 2025

Looking ahead to 2025, IRS is committed to building on the successes of 2024 by driving sustainability and innovation. With a sharp focus on green technologies, alternative fuels, and autonomous systems, the organisation is poised to lead the way in creating a more efficient and sustainable maritime ecosystem.

Events, Conferences & Seminars

DGS-IMEI Green Shipping Conclave, Mumbai - Feb 2025

As a key supporter, Indian Register of Shipping (IRS) played a pivotal role at the DGS-IMEI Green Shipping Conclave 2025, held on 20 February 2025 in Mumbai. The conclave provided a platform for thought-provoking discussions, insightful presentations, and impactful engagements on the future of sustainable shipping.

We were privileged to welcome esteemed dignitaries:

1. H. E. Mr. Arsenio Dominguez, Secretary-General, International Maritime Organization – IMO
2. Shri Shantanu Thakur ji, Hon'ble Minister of State, Ministry of Ports, Shipping and Waterways (India)
3. Dr. Malini Shankar, Vice Chancellor, Indian Maritime University



Expert-Led Sessions & Thought Leadership -

1. Mr. Arun Sharma, EC, IRS & Mr. PK Mishra, MD, IRS led an insightful Session on **Green Energy Waves: Driving Maritime Sustainability Through green Fuels; at the Green Shipping Conclave 2025.**
2. Mr. Arun Sharma, EC, and Mr. TK Sahu, JMD, engaged in insightful discussions with His Excellency Mr. Arsenio Dominguez, Secretary-General, IMO on 'Green Shipping Regulatory Aspects'
3. Mr. TK Sahu, JMD, IRS, delivered a powerful Keynote Address for the Technical Papers Session.
4. Mr. R. Srinivas, VP, PAC & Mr. Avinash Vaze, Senior Surveyor spoke on 'Cyber Resilient Network Architecture'
5. Dr. Suhas V & Mr. Kunal Sharma, Senior Surveyor, STS presented paper on - 'Nuclear Power Emerges as a Potential Pathway toward Decarbonizing the Shipping Sector'
6. Mr. N. Girish Chaired the Session on 'Green Innovations: Pioneering Sustainable Ports and Fuels' & Mr. Karan Doshi spoke on - 'Lifecycle Analysis of Marine Fuels'
7. IRS contributed to the Future Fuels Strategy (FFS) document (consultative), released Conclave aiming to outline a strategy and roadmap for the decarbonization of Maritime India. Mr. Devrup Kabi, Sr. Principal Surveyor & Mr. Karan Doshi, Senior Surveyor shared expert perspectives in the sustainability session.



IRClass Academy & Skillsplus Collaboration – Joint Workshop, Mar 2025

IRClass Academy and Skillsplus have signed an MOU to strengthen their commitment to collaborative education, skill development, and enhanced industry-oriented training opportunities. They also conducted an engaging workshop on - Ship Finance & Investment Decision Making Process.



12th Biennial International Conference on Ports, Shipping & Logistics - Sustainable Logistics for Viksit Bharat – Feb 2025, Mumbai

Mr. T. K. Sahu, JMD, IRS shared expert insights on 'Enhancing Port Security and Cybersecurity in Indian Logistics' during a dynamic panel discussion.

Mr. Kunal Sharma, Senior Surveyor spoke on 'Sustainable India@2030' at the 'Sustainability Energy Forum' – Jan 2025



Research paper on 'Ship Collision Risk Evaluation using AIS and Weather Data through Fuzzy Logic and Deep Learning' published in the International Journal of Ocean Engineering – Dec, 2024

R&D Team's research paper authors - Dr. Asokendu Samanta, Chief Surveyor, Anilkumar Korupoju, Senior Surveyor, Veer Kapadia, Arun Shankar V, Senior Surveyor

For details, visit- <https://www.irclass.org/media-and-publications/events/>

Vessels - Classed, Delivered & Launched

Keel laid for the lead vessel of Indian Navy's Fleet Support Ship, classed with Indian Register of Shipping, at Hindustan Shipyard Ltd.

The Indian Register of Shipping (IRS) is providing classification services for all five vessels. These ships are being constructed in compliance with IRS Naval Combatant Rules, with IRS also being required to certify compliance of the vessels with the build specifications.

Indian Register of Shipping Strengthens Role in Major Defence Projects

IRS is proud of its growing role in advancing India's defence capabilities through its participation in major new construction projects for the Indian Navy and Indian Coast Guard, thereby taking a major step forward in realizing a self-reliant defence manufacturing capability, as envisioned under the 'Atmanirbhar Bharat' initiative.

Vessels being built under Naval Rules & Classification of IRS for Indian Navy



Missile Cum Ammunition Barge, LSAM 14, Secon Engineering Projects Pvt. (Yard 82), the Seventh Barge of 08 x Missile Cum Ammunition Barge project



Launching ceremony of 9th ACTCM Barge, LSAM 23 (Yard 133) at M/s Suryadipta Projects Pvt Ltd.

For details, visit - <https://www.irclass.org/media-and-publications/news/>



Steel Cutting Ceremony of Fleet Support Ships (FSS-2 and FSS-3) at L&T Shipyard



Steel-Cutting Ceremony of the first ship of Next Generation Missile Vessel (NGMV), at Cochin Shipyard Ltd.



Steel-Cutting Ceremony at Mazagon Dock Ltd for the first Fast Patrol Vessel and the second Next-Generation Offshore Patrol Vessel, both being built for Indian Coast Guard under the classification of IRS



'Dheu,' the Next Generation Zero-Emission Electric Ferry built under (IRS) Guidelines for Battery - Powered Vessels, delivered by GRSE - Garden Reach Shipbuilders & Engineers Ltd. to the Government of West Bengal.

Employee Corner

Honouring Legacy, Dedication & Celebration – IRClass Annual Day 2025

IRClass Annual Day on January 23, 2025, was a celebration of achievements and dedication. A Felicitation Ceremony honoured Capt. J. C. Anand, Mr. Arun Sharma, and distinguished IRS veterans, while the Long Service Awards recognised employees for their commitment. The evening culminated in a dynamic live band performance, bringing music, joy, and togetherness to this special occasion. A truly memorable milestone!



Marking 10 years at the Powai Run – Jan 2025

As part of IRS's 50-year celebrations, an enthusiastic team of 158 employees—our largest-ever team—made this event truly memorable! Special applause to Dr. Joseph Prabhu, our 50 mins pacer, & Atul Rane, our fastest 10km runner, who completed the race in an impressive 48:50 minutes. The energy & team spirit displayed were extraordinary.



Indian Register of Shipping announces Key Elevations



Mr. Saikat Roychowdhury
Head of Operations (HOO)



Mr. Sandeep V. Joshi
Chief Financial Officer (CFO)



Mr. Naveen Tarlada
Area Manager
– Europe & Istanbul



Mr. Narendra Singh Thakur
Area Manager
– Vizag & Port Blair SS



Mr. Raghuram Achanta
Area Manager
– Middle East & Africa



Mr. Sreekumar R Nair
Area Manager
– Chennai & Kochi SS



Cdr Pavan Kumar Varma
HOD – QHSE



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Indian Register of Shipping



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