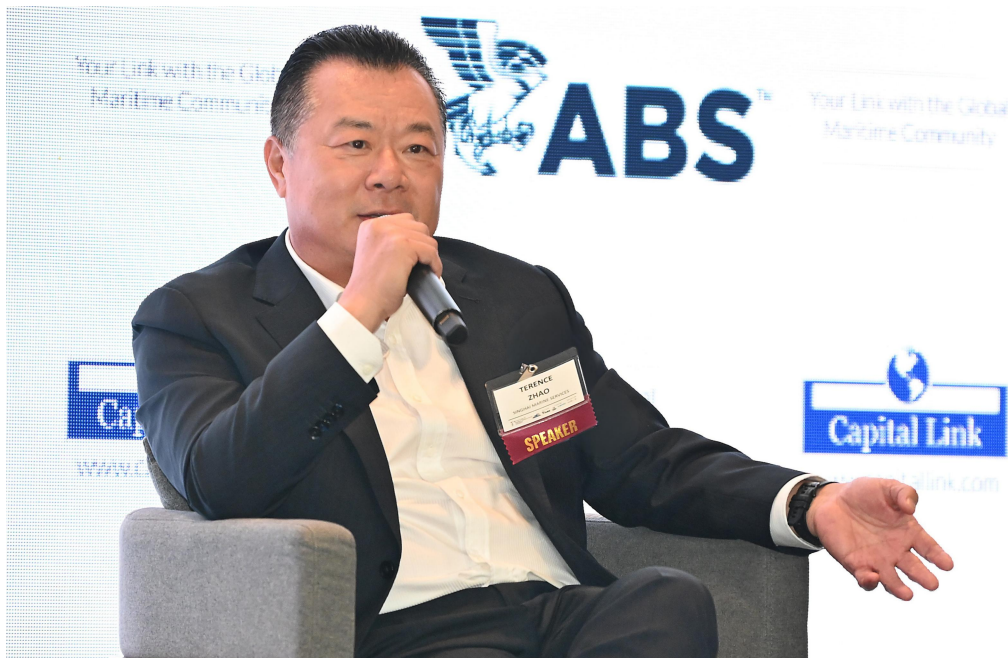


## How Artificial Intelligence is Transforming the Future of the Seafarer Industry



Against the backdrop of rapid digitalization and intelligent transformation in the global shipping industry, artificial intelligence (AI) is increasingly becoming a key driving force for future development. Under the theme “Optimizing Fleet Performance: From Human Capital to Digital Tools,” industry leaders and experts engaged in in-depth discussions at the Capital Link Singapore Maritime Forum.

During Singapore Maritime Week 2026, Singhai was honored to co-host this important forum together with Columbia Group and other partners. The session focused on how AI can enhance crew management and improve operational efficiency across the industry.



Mr. Terence Zhao, Founder and Chairman of Singhai Marine Services Group noted during the forum that the rapid advancement of AI is reshaping the fundamental logic of the shipping industry, particularly in the areas of crew management and human resources, bringing about profound and systemic changes.

## Optimizing Fleet Performance: From Human Capital to Digital Tools



In the panel discussion on “Optimizing Fleet Performance – From Human Capital to Digital Tools,” speakers from shipping, ship management, and technology sectors shared valuable insights. There was a strong consensus that the industry is transitioning from experience-driven operations toward a data- and intelligence-driven model.

In this transformation, AI is not only improving vessel performance but is also playing an increasingly critical role in crew management, training systems, and decision support.

Mr. Terence Zhao further emphasized that future crew management should go beyond traditional deployment and administration, leveraging digital solutions to achieve greater precision, efficiency, and sustainability.

### Human and Technology: A Synergistic Future

Despite rapid technological advancement, panelists highlighted that:

The value of AI lies in empowerment, not replacement.

Seafarers remain the core asset of the shipping industry. Future competitiveness will depend not only on technological capabilities, but also on the ability to achieve effective human-machine collaboration.

Mr. Terence Zhao pointed out that AI should serve as a powerful enabler for seafarers—enhancing decision-making, reducing human error, and providing stronger support in complex operational environments.

### From AI Tools to an Intelligent Ecosystem

Singhai also shared its vision for the future of the industry:

The true value of AI lies not in individual tools, but in building a comprehensive intelligent ecosystem.

Guided by this vision, Singhai is developing AiSailings (Zhihaiyuan) as a digital platform that integrates crew data, training systems, and operational management.

Mr. Terence Zhao highlighted that future competition will not be defined by isolated technological capabilities, but by the ability to build an integrated platform connecting seafarers, shipowners, and service ecosystems.

## AiSailings (Zhihaiyuan): Advancing Intelligent Crew Management

As a key digital initiative of Singhai, AiSailings (Zhihaiyuan) is committed to:

- Building a global seafarer database
- Enhancing crew matching efficiency
- Strengthening training and competency evaluation systems
- Enabling digital and intelligent crew management

Through data-driven insights and AI empowerment, the platform is evolving from a recruitment tool into a comprehensive lifecycle management system for seafarers.

Mr. Terence Zhao emphasized that the goal of AiSailings (Zhihaiyuan) is not only to improve efficiency, but also to establish a sustainable infrastructure for the industry 's long-term development.



## Looking Ahead: Building Next-Generation Maritime Capabilities

The shipping industry stands at the threshold of a new era of transformation. With the continuous advancement of AI, the industry is shifting from experience-based operations toward a more precise, efficient, and predictive model.

In this transition:

- Human capability will remain the core competitive advantage
- Data will become a critical production factor
- Platforms will serve as key connectors across the ecosystem

Singhai will continue to drive the deep integration of technology and human capital. As Mr. Terence Zhao emphasized, only by upholding a people-centric approach empowered by technology can the industry achieve truly high-quality development.

## Conclusion



This forum was not only a platform for exchanging ideas, but also a meaningful exploration of the industry's future direction. Through insightful discussions and interactions, we are more confident than ever in advancing the digital and intelligent transformation of the maritime sector.

Looking ahead, under the leadership of Mr. Terence Zhao, Singhai will continue to embrace open collaboration and work closely with global partners to build a more efficient, safer, and sustainable maritime ecosystem