



GSCC 2025 *The 14th Annual Event*

Green Shiptech China Congress 2025

September 25th-26th, 2025
Shanghai · China



THE MOST INFLUENTIAL GREEN SHIP TECHNOLOGY CONFERENCE IN CHINA

- ★ 350+ Delegates
- ★ 60+ Shipowners/Shipping Companies
- ★ 30+ Shipyards
- ★ 5+ Hours Free Discussion and Networking
- ★ Authoritative Analyses on Regulations and Policies by IMO, European Commission, U.S. Coast Guard and China MSA



Organizer



Strategic Partner



Green Technology Sponsor



Exhibitor



Supporter



Background

Green Shiptech China Congress is the annual conference hosted by **Ridge China**. For our past GSCC 2012, GSCC 2013, GSCC 2014, GSCC 2015, GSCC 2016, GSCC 2017, GSCC 2018, GSCC 2019, GSCC 2020, GSCC 2021, GSCC 2022, GSCC 2023 and GSCC 2024, more than **4400** experts and decision makers from governments, classification societies, ship-owners, ship-yards, research institutes, technology/equipment suppliers and consulting companies have had in-depth discussion and communication on the current issues of IMO, European Commission, U.S. Coast Guard, China MSA's policies and regulations, designs and standards for new ship models, innovative and sustainable green ship technologies through this international platform of annual Green Shiptech China Congress.

In year 2025, over **350** industry experts, corporate decision makers and government officials will be engaged in in-depth exchange of views and discussions on the issues and topics that we concern by virtue of the international platform of **Green Shiptech China Congress 2025**.

Speakers From

- IMO
- European Commission
- U.S. Coast Guard
- China MSA
- Financial Institutions
- Maritime Research Institutes
- Solution & Technology Providers
- Shipowners
- Shipyards
- Classification Societies
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Hot Topics

- Policies and Regulations Update and Interpretate by IMO, European Commission, U.S. Coast Guard and China MSA
- Retrofitting Vessels to Achieve Decarbonization Goals
- Digital Technologies As a Key Enabler for Emissions Reduction
- Impact of a Hull Coating Upgrade on Hull Efficiency
- Ammonia's Credentials As a Green Fuel
- Wind Propulsion Technology
- Fuel Cell Integration: Upcoming Challenges and Opportunity
- Propelling Carbon-neutral Shipping with Green Engines and Alternative Fuels
- Latest Developments in Energy Storage Systems
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Who Should Attend

CEOs, Presidents, VPs,
General Managers,
Directors, Chief Engineers,
Senior Managers, Marine Architects,
Marine Engineers

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from

- Shipowners
- Shipping companies
- Shipyards
- Designers
- Maritime Research Institutes
- Classification Societies
- Vendors
- Ports / Harbour Authorities
- Solution Providers
- Law Firms
- Consulting Companies
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Agenda

Day One / Thursday, 25th September, 2025

08:50-09:00 **Chairman's Opening Remark**

09:00-09:40 **Policies and Regulations Update and Interpretate by IMO**



09:40-10:20 **Policies and Regulations Update and Interpretate by European Commission**



10:20-10:50 **Refreshment and Networking** 

10:50-11:30 **Policies and Regulations Update and Interpretate by U.S. Coast Guard**



11:30-12:10 **Policies and Regulations Update and Interpretate by China MSA**



12:10-13:30 **Luncheon** 

13:30-14:05 **Retrofitting Vessels to Achieve Decarbonization Goals**

- Design, build and operational considerations
- What are the considerations and drivers for retrofitting?
- Costs of retrofits versus newbuild
- Improved fuel efficiencies and reduced carbon emissions

14:05-14:40 **Energy Efficiency Continues to Be Key for Decarbonization**

- The impact of EEXI and CII, learnings and review
- How do we measure efficiency and why is correct data key?
- Why is it important to continue to improve efficiency?
- What can we do to improve efficiency?

14:40-15:10 **Refreshment and Networking** 

15:10-15:45 **Decarbonization Through Digitalization**

- Enhancing data sharing across the supply chain to improve visibility, efficiency, and emission reduction strategies
- Exploring digital connectivity, autonomous vessel technology and maintenance in maritime operations
- leveraging blockchain, AI, and digital twins to optimize energy use and decrease greenhouse gas emissions
- Implementing IoT for comprehensive vessel monitoring, remote operations, and cloud-based solutions

15:45-16:20 **Digital Technologies As a Key Enabler for Emissions Reduction**

- Are we on the right track to meet industry goals? No silver bullet, but data is an essential ingredient
- Understanding the potential for cost and emissions savings by using data to create insight and collaboration
- Using fleet data to plan for the future: setting goals, scenario planning and the pursuit of continuous emissions reductions

16:20-16:55 **Impact of a Hull Coating Upgrade on Hull Efficiency**

- The case for high-performance hull coating
- A proven way to energy efficiency
- High-performance hull coating compared to a market average solution
- Detailed operational analysis behind the comparison
- Impact on reference speed (Vref) of a high-performance hull coating upgrade
- Costs and benefits overview

16:55 **Close of Day One**

Agenda

Day Two / Friday, 26th September, 2025

- 09:00-09:35 LNG As Marine Fuel: Pivoting Towards Cleaner Shipping**
- Sustainable maritime energy transition
 - Searching for integrated energy management solutions
 - Focusing on green shipping
- 09:35-10:10 Methanol As a Marine Fuel**
- Overview of methanol potential and application as the CO₂ neutral fuel
 - Introduction of the low carbon methanol, e-methanol, and bio methanol for decarbonization
- 10:10-10:40 Refreshment and Networking** 
- 10:40-11:15 Ammonia's Credentials As a Green Fuel**
- Ammonia's future in the maritime industry
 - Supply and availability of ammonia
 - Technical hurdles and safety challenges
 - What regulation, standards and guidelines are needed to advance ammonia as a maritime fuel?
 - Identifying the benefits of ammonia as a green shipping fuel
 - Do the world's ports have the necessary infrastructure in place for fuelling ammonia-powered vessels?
- 11:15-11:50 Wind Propulsion Technology**
- Transitioning to a zero-emissions fleet
 - Wind power as a viable alternative to transitional fuels
 - Retrofitting and installation considerations
 - Future objectives
- 11:50-12:25 Fuel Cell Integration: Upcoming Challenges and Opportunity**
- Identifying the challenges – safety, power and range
 - Hydrogen as the favoured option to power fuel cells
 - Opportunities for hybridisation with other fuel sources
- 12:25-13:30 Luncheon** 
- 13:30-14:05 Propelling Carbon-neutral Shipping with Green Engines and Alternative Fuels**
- Current state-of-the-art gas and diesel engines
 - Key elements for maximising system efficiency
 - The application of digitization in engine technologies
 - Future-fuel ready solutions
- 14:05-14:40 Next-generation Electric and Hybrid Marine Propulsion Technologies and Components**
- Evaluating hybrid systems that enable vessels to reduce emissions and improve fuel consumption
 - Energy storage systems running on diesel, electric and battery solutions
 - Utilising shore power, onboard generation and battery technology
- 14:40-15:15 Latest Developments in Energy Storage Systems**
- Market updates on maritime type approved battery systems
 - New developments on maritime battery technology
 - Latest insights in electrification trends for ships
- 15:15-15:30 Lottery Time** 
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Microsoft Surface Pro 11



HUAWEI Mate 70 Pro



HUAWEI MatePad Pro



HUAWEI FreeBuds Pro
- 15:30-16:00 Refreshment and Networking** 
- 16:00 Close of the Conference**