



**GSCC 2022** *The 11th Annual Event*

# Green Shiptech China Congress 2022

**November 17th-18th, 2022**  
**Shanghai · China**

For the Registration  
Tel: 86-21-6607 8610 Ext: 8003  
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## Confirmed Chairman and Speakers Include:



**Zhuang Wei**  
Regional Manager, Asia  
**BIMCO**



**Fotini Ioannidou**  
Head of the Maritime Safety Unit and Deputy Director,  
DG Mobility and Transport  
**European Commission**



**Alf Kare Adnanes**  
General Manager, Marine & Ports Regional Division  
**AMEA ABB**



**Gavin Allwright**  
Secretary General  
**International Windship Association**



**Shen Tao**  
Manager, ABS Shanghai Sustainability Center  
**ABS**



**David Ye**  
Marine Industry Director, Greater China  
**KROHNE Measurement Instruments (Shanghai) Co., Ltd.**



**Charles Zha**  
Sales Director, Industrial Systems Segment  
**Regal Rexnord Corporation**



**Madadh MacLaine**  
Secretary General  
**Zero Emissions Ship Technology Association**



**Marcel Ott**  
General Manager Sales China & Global Application Engineering  
Deputy Managing Director WinGD China  
**Winterthur Gas & Diesel (Shanghai) Co., Ltd.**



**Kane Xue**  
General Manager, Market Innovation  
**Wartsila Group**



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## 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 and GSCC 2021, more than **3200** 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 2022, 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 2022**.

## Who Should Attend

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

*from*

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

## Speakers From

- IMO
- European Commission
- U.S. Coast Guard
- Maritime Safety Administration of the People's Republic of China
- Shipowners
- Shipyards
- Classification Societies
- .....

## Hot Topics

- Policies and Regulations Update and Interpretate by IMO, European Commission, U.S.Coast Guard, China MSA
- Retrofitting Vessels to Meet Decarbonisation Targets
- Next-Generation Data Acquisition and Analysis Supported by Artificial Intelligence
- The Application and Analysis of Air Lubrication Technology
- The State of the Art of True Zero Emissions Technologies
- The Future of LNG as a Marine Fuel
- Ammonia-Powered Vessels
- Hydrogen as a Marine Fuel
- .....

## Sponsor



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[www.jlbox.com.cn](http://www.jlbox.com.cn)

Jianlong Electrical is a high-tech enterprise specialized in providing ship-shore power connection system solutions. Developed a multi-capacity customizable ship-to-shore connection system, including cable management reels, AMP socket boxes, portable cable management systems, high-current connectors and related products etc., which can support shore power connection requirements for different ship types include container ships, bulk carriers, cruise ships, and passenger rollers. Has participated in more than 100 shore-power projects on harbor side and more than 60 shore-power projects on ship side successfully, and is in a leading position in the industry.



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WinGD (Winterthur Gas & Diesel Ltd.) is a leading developer of two-stroke low-speed gas and diesel engines used for propulsion power in merchant shipping. WinGD sets the industry standard for reliability, safety, efficiency, and environmental sustainability. WinGD provides designs, training and technical support to engine manufacturers, shipbuilders, ship operators and owners worldwide. Headquartered in Winterthur, Switzerland, since its inception as the Sulzer Diesel Engine business in 1893, it carries on the legacy of innovation in design.

WinGD is a CSSC Group company.

For more information visit: [www.wingd.com](http://www.wingd.com)



[www.penzuicn.com](http://www.penzuicn.com)

Dongguan Changyuan Spraying Technology Co., Ltd, founded in 1997 and obtained ISO9001 and IATF16949 certificates, is the leading spray nozzles manufacturer.

We own trust from over 2000 customers of domestic and overseas by high quality and capacity. Supplying over 1000 sets nozzles for scrubbers, we have cooperated with over 20 customers in marine scrubber industry, such as Wartsila PP, 2205, 2507, 254SMO, etc nozzles and adapters are available for options.

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[www.sunrui.net](http://www.sunrui.net)

SunRui Marine Environment Engineering Company Ltd is a wholly owned subsidiary company of China State Shipbuilding Co., Ltd (CSSC). SunRui is a high-tech integrated engineering company built up in 2003, engaged in research, design, manufacture, engineering, test and project contracting of marine environment protection (BalClor® BWMS, GasLink® FGSS, SOxFree® EGCS, NOxFree® SCR, GasLink® Methanol Supply System, Ammonia Fuel Supply System), corrosion control and water treatment. SunRui is becoming the leader of the field of marine environment engineering, makes contributions to blue economy, marine environmental protection and marine power strategy, with driving force of science and technology innovation, providing customers with comprehensive solutions, insisting on internationalization strategy, leading rapid development of industry and centered around resource saving and environmental protection.

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## Sponsor



[www.dealfeng.com](http://www.dealfeng.com)

Dealfeng New Energy Technology (Tianjin) Co., Ltd. has the manufacturing and installation capacity of 2m/3m/4m in diameter, and 8m - 30 m in height and obtained Lloyd's Register AIP certification. As an innovative energy saving equipment recommended by IMO, rotor sail can improve ship EEDI/EEXI and achieve an annual fuel saving of 5%-20%. For more information about the Dealfeng rotor sail system, please contact [info@dealfeng.com](mailto:info@dealfeng.com).

**KROHNE**

Marine

[www.krohnechina.com/cn/product/system/ecomate/](http://www.krohnechina.com/cn/product/system/ecomate/)

KROHNE Group is a global leader in development and manufacturing, providing innovative and reliable process instrumentation, measurement solutions, automation and services.

KROHNE Marine team, based in Norway, is a dedicated expert division with over 60 years of experience in the marine industry. KROHNE Marine systems are installed on a wide range of vessels, from small inland vessels to large seagoing ships.

KROHNE Marine offer in-house expertise by providing complete turn-key solutions. From engineering to commissioning, customers in all worldwide maritime hubs and shipbuilding countries benefit from KROHNE Marine's dedicated sales and service network.



[www.eagle.org](http://www.eagle.org)

ABS, a leading global provider of classification and technical advisory services to the marine and offshore industries, is committed to setting standards for safety and excellence in design, construction and operation. Focused on safe and practical application of advanced technologies and digital solutions, ABS works with industry and clients to develop accurate and cost-effective compliance, optimized performance and operational efficiency for marine and offshore assets.

From its world headquarters in Houston, ABS delivers survey and engineering services and solutions to clients through a network of local representatives working from more than 200 offices in 70 countries.



**WÄRTSILÄ**

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Wärtsilä is a global leader in innovative technologies and lifecycle solutions for the marine and energy markets. We emphasise innovation in sustainable technology and services to help our customers continuously improve their environmental and economic performance. Our dedicated and passionate team of 17,500 professionals in 200 locations in more than 70 countries shape the decarbonisation transformation of our industries across the globe. In 2020 Wärtsilä's net sales totalled EUR 4.6 billion. Wärtsilä is listed on Nasdaq Helsinki.

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The industrial systems segment produces integral motors, generators, alternators, and switchgear for industrial applications, along with aftermarket parts and kits to support such products. These products serve markets including agriculture, marine, mining, oil and gas, food and beverage, data centers, healthcare, prime and standby power, and general industrial equipment.



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## Sponsor



上海齐耀环保科技有限公司  
SHANGHAI QIYAO ENVIRONMENTAL TECHNOLOGY CO., LTD.

[www.qiyaoetech.com](http://www.qiyaoetech.com)

SHANGHAI QIYAO ENVIRONMENTAL TECHNOLOGY CO., LTD. is a wholly-owned subsidiary of Shanghai Qiyao Technology Group Co., Ltd (Shanghai Marine Diesel Engine Research Institute). It is an industrial platform of marine environmental protection equipment of CSSC, and has been set as an example of national science and technology reform action of SASAC at the same time.

Qiyao Environ Tec is mainly engaged in the R&D, design, manufacturing, consultation and service of sophisticated environmental protection equipment of marine exhaust gas, sewage, solid waste; and fuel supply system of methanol, LNG, and ammonia.

Qiyao Environ Tec had held the idea of supporting green-ship technology development, and is committed to providing GHG and pollutants emission reduction solutions for ship, in order to contribute to build a world of blue sea and clear sky.



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Beijer Electronics is a multinational, cross-industry innovator that connects people and technologies to optimize processes for business-critical applications. Our offer includes operator communication, automation solutions, digitalization, display solutions and support. As experts in user-friendly software, hardware and services for the Industrial Internet of Things, we empower you to meet your challenges through leading-edge solutions.

## Agenda Day 1

- 08:50-09:00 **Chairman's Opening Remark**
- 09:00-09:40 **Policies and Regulations Update and Interpretate by IMO**
- A Review of MEPC78
  - Technical guidelines for the EEDI, EEXI, CII and SEEMP
- 09:40-10:20 **EU's Policies and Regulations Update and Interpretation**
- Current EU regulatory framework
  - The latest on EU-ETS
  - Policies and regulations outlook
- 10:20-10:50 **Refreshment and Networking** 
- 10:50-11:30 **Policies and Regulations Update and Interpretate by U.S. Coast Guard**
- USCG's current work on marine environmental protection
  - Current work on VIDA (Vessel Incidental Discharge Act)
  - California's ballast water management requirements
- 11:30-12:10 **Policies and Regulations Update and Interpretate by China MSA**
- The updates on China Emission Control Areas (ECAs)
  - Current work on GHG emission control
  - Policies and regulations outlook
- 12:10-13:30 **Luncheon** 
- 13:30-14:05 **Retrofitting Vessels to Meet Decarbonisation Targets**
- What are the considerations and drivers for retrofitting
  - Retrofit or newbuild
  - Hybrid or fully electric
  - Costs of retrofits versus newbuild
  - Complying with EEXI and CII
- 14:05-14:40 **Next-Generation Data Acquisition and Analysis Supported by Artificial Intelligence**
- Collecting accurate and reliable data and high-grade qualitative and quantitative analysis through artificial intelligence
  - Reducing fuel oil consumption and CO<sub>2</sub> emissions
  - Meeting the requirements of technical and operations departments of leading maritime companies
- 14:40-15:10 **Refreshment and Networking** 
- 15:10-15:45 **The Application and Analysis of Air Lubrication Technology**
- The known methods of air lubrication
  - Easy install on new bulids or can be retrofitted to existing vessels
  - EEDI and EEXI approved
  - Efficiency gains and return on investment
  - A reliable and full life cycle solution for any vessel
- 15:45-16:20 **Effectively Monitoring on Board Air Emissions**
- Emission sensor applications
  - Use the emission sensor as an option to prove compliance
  - Benefits of having an emission sensor on board
-  16:20-16:55 **Shipping Catches a Strong Tailwind: Decarbonisation & the Decade of Wind Propulsion**
- The role of wind propulsion in the decarbonisation pathway
  - The policy framework and regulations
  - The current state of the market, future growth projections
- 16:55 **Close of Day One**



## Agenda Day 2

- 09:00-09:35 **The State of the Art of True Zero Emissions Technologies**
- An update on technology readiness levels and market availability of zero-emission (ZE) ship tech
  - ZE vessels in service, and ZE energy supply chains
  - How regulation, finance, insurance, as well environmental, social, and governance (ESG) criteria are impacting the uptake of ZE technologies and fuels worldwide
- 09:35-10:10 **LNG as a Future-Proof Marine Fuel**
- X-DF technology updates
  - Example and benefits of LNG battery hybrid vessels
  - Key drivers and challenges to adoption
  - LNG versus alternative fuel options
  - LNG driving the move towards sustainability in the maritime sector
- 10:10-10:40 **Refreshment and Networking** 
- 10:40-11:15 **Ammonia-Powered Vessels**
- Building an ammonia-powered vessel that meets code and user-safety requirements
  - Ammonia availability and infrastructure development
  - Space, safety and control barriers for ammonia on board ships
  - Navigating regulations and approval processes
  - Powering and propulsion in review
- 11:15-11:50 **Wärtsilä Decarbonisation Solutions for Marine Industry**
- Wärtsilä decarbonisation solutions and concepts general introduction
  - Future alternative fuels and engine technology development
  - Hybrid solution
  - Energy saving solutions
  - Marine and shipping industry energy efficiency improvement and decarbonisation journey
- 11:50-12:25 **Hydrogen as a Marine Fuel**
- Recognising the benefits of hydrogen fuel cells
  - Advancements in fuel cell technology
  - Design and operational requirements
  - Risk analysis
  - Regulations, codes and standards
- 12:25-13:30 **Luncheon** 
- 13:30-14:05 **The Developments of LNG Fuel Gas Supply Systems**
- The latest on FGSS design and relevant technologies
  - Reliability
  - Installation and operation costs
- 14:05-14:40 **Working Towards 2030 and 2050 Emissions Targets**
- What role might emissions abatement technology play in reaching the 2030 and 2050 emissions reduction targets
  - Will emission abatement technology also meet SOx/NOx and CO<sub>2</sub> targets
  - Are there any new innovations in scrubbing technology
- 14:40-15:15 **Choosing the Right Ballast Water Management System for Your Ship**
- Ensuring your selected BWMS is the type approved model and meets regulatory requirements
  - Impending ballast water treatment system and technology
  - CAPEX & OPEX factors
- 15:15-15:30 **Lottery Time** 
- 

Microsoft Surface Pro 8



HUAWEI P50 Pro



HUAWEI MatePad Pro



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



# The 11th Annual Event Green Shiptech China Congress 2022

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## CONFERENCE FEE

**USD 1995 / Delegate**

☐ GROUP DISCOUNT: THREE or more delegates from the same organisation will enjoy 10% off regular fees for booking

The conference fee includes:

a full set of conference documentation, executive lunches, refreshments and simultaneous interpretation (from Chinese to English and English to Chinese).

## DOCUMENTATION

☐ I cannot attend the conference, but I would like to purchase the documentation for USD 500

Please Attach Your Business Card  
**BUSINESS CARD**

## DELEGATES INFORMATION

### Organisation Details

Organisation \_\_\_\_\_  
Address \_\_\_\_\_  
Tel \_\_\_\_\_ Fax \_\_\_\_\_  
Signature \_\_\_\_\_  
Date \_\_\_\_\_

(This contract is invalid without a signature)

### 1st Delegate Details

Mr/Mrs/Ms \_\_\_\_\_ First Name \_\_\_\_\_  
Surname \_\_\_\_\_  
Job Title \_\_\_\_\_  
Tel/Mobile \_\_\_\_\_  
Email \_\_\_\_\_

### 2nd Delegate Details

Mr/Mrs/Ms \_\_\_\_\_ First Name \_\_\_\_\_  
Surname \_\_\_\_\_  
Job Title \_\_\_\_\_  
Tel/Mobile \_\_\_\_\_  
Email \_\_\_\_\_

### 3rd Delegate Details

Mr/Mrs/Ms \_\_\_\_\_ First Name \_\_\_\_\_  
Surname \_\_\_\_\_  
Job Title \_\_\_\_\_  
Tel/Mobile \_\_\_\_\_  
Email \_\_\_\_\_

## METHOD OF PAYMENT

You will receive a payment notification after we get your confirmation of participation.

## CANCELLATIONS

If you are unable to attend, a substitute delegate is always welcome at no extra charge. Any cancellations received before March 1st, 2022 will bear 30% of registration fee as administration charge. Cancellations received after the March 1st, 2022 will bear the full liability of the total conference fee.

## CONTACT

**Mr. Quin Xu**

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### ★Lucky Time

Thanks to all of participants, after the last presentation slot on day two will be the "Lucky Time", the organizer will give some prizes to the delegates by a lottery.

You will have the opportunity to get one of the following prizes.

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