



**GSCC 2019** *The 8th Annual Event*

# Green Shiptech China Congress 2019

May 30th-31st, 2019  
Shanghai · China

**THE MOST INFLUENTIAL  
GREEN SHIP TECHNOLOGY CONFERENCE  
IN CHINA**

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

Organizer  **RIDGE**  
Focus On Your Focus

Supporter



European Commission



United States Coast Guard  
U.S. Department of Homeland Security



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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 and GSCC 2018, more than **2150** 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 2019, 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 2019**.

## Who Should Attend

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

- 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
- China Maritime Safety Administration
- Shipowners/Shipping Companies
- Shipyards
- Classification Societies
- .....

## Hot Topics

- Policies and Regulations Update and Interpretate by IMO
- Green Ship Designs
- The Application of Big Data for Ship Operational Efficiency
- LNG as A Fuel for Ships
- EGC Installations for Retrofit
- Fast Installation Concept for Scrubbers
- Utilising SCR Technologies to Reduce Nox Emissions
- Ballast Water Treatment Systems Retrofitting
- Guaranteeing Crew Competence - For Effective Systems Operation, Maintenance & Upgrades
- .....

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

The Infineum Group of Companies is a world-class petroleum additives enterprise. With global headquarters in Milton Hill, UK, Infineum is a developer, manufacturer and marketer of lubricant additives used primarily in automotive, heavy-duty diesel and marine engines, and additives for diesel fuels. Its customers are oil companies, other lubricant and fuel marketers and OEMs. The Infineum product line also includes specialty additives for small engines, automotive transmissions, and gas engines, and industrial oils. Infineum has Business & Technology centers in the USA, UK, Singapore and China and has sales representation in over 70 countries.



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

Working in the challenging world of the shipbuilding and offshore industries, Danfoss products are everywhere on the board, including Hybridization applications (shore supply, shaft generator, Grid Converter, energy storage etc.) as well as VLT® and VACON® drives for AC and DC grid system required solution, Pressure & temperature sensors and controls and Control valves for air-conditioning, etc., which were applied on cargo deck, accommodation, winches, engine room, utilities and thrusters. We continuously help our customers improve efficiency, safety and reliability while reducing total cost of ownership. For over 30 years we have been building and consolidating successful relationships with ship owner operators, shipyards, system integrators, OEMs, naval design engineers and architects to make the marine industry safer and more efficient. Danfoss is a single supplier who delivers on all these criteria- and more.



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

Our International® brand is the world leader in marine and protective coatings. A long-standing brand synonymous with innovation and collaboration, it is the preferred choice of industry leaders looking for excellence and expertise.

We deliver anticorrosive and fire protection, fouling control technologies and aesthetic solutions for on and offshore. Supported by high quality customer service and in-field support around the globe, our technologically advanced International product range strives to satisfy our customers' needs now and in the future. Our R&D focus ensures that through a process of continuous improvement we are able to supply innovative products and services to meet the highest international standards, while meeting or exceeding regulatory requirements in every area of the business.



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

Scania is one of the world's leading manufacturers of marine engines. In addition, Scania provides various forms of Service-related products and financing solutions to ensure that customers enjoy optimal marine solution and uptime. Established in 1891, the company operates in about 100 countries. Research and development activities are concentrated in Sweden, while production takes place in Europe and South America.

Scania marine propulsion engine power range from 162kW(220hp) to 846kW(1150hp).

Scania marine auxiliary engine power range from 199kW to 640kW.



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

ABB Marine is engaged in R&D, manufacturing, sales and engineering services in China. We are committed to providing integrated power solutions and top quality services for our customers. By offering innovative, reliable, safe and environmentally friendly solutions, we aim to ensure optimized life-cycle performance with reduced operating cost.

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[www.csic-711.com](http://www.csic-711.com)

SMDERI, a large state-owned enterprise affiliated to CSIC, is the forerunner in the field of ship emission control & reduction in China. SMDERI has been working on the R&D of EGCS since 2011, and won the first commercial order of EGCS in China at the end of 2017. At present, SMDERI has obtained a number of orders from well-known shipping companies at global, can provide full range of product including open loop, closed loop and hybrid.



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

Pacific Green Technology Inc. is an industry leader in exhaust gas cleaning technology. Our proprietary ENVI-Marine™ technology uses seawater to wash the exhaust gas produced by vessels to meet the 0.5% sulfur emission regulation forced by IMO after Jan 1st 2020(0.1% for ECA).



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

DNV GL is a global quality assurance and risk management company. Driven by our purpose of safeguarding life, property and the environment, we enable our customers to advance the safety and sustainability of their business.

We provide classification, technical assurance, software and independent expert advisory services to the maritime, oil & gas, power and renewables industries. We also provide certification, supply chain and data management services to customers across a wide range of industries.

Combining technical, digital and operational expertise, risk methodology and in-depth industry knowledge, we empower our customers' decisions and actions with trust and confidence. We continuously invest in research and collaborative innovation to provide customers and society with operational and technological foresight.

With origins stretching back to 1864 and operations in more than 100 countries, our experts are dedicated to helping customers make the world safer, smarter and greener.

In the maritime industry

DNV GL is the world's leading classification society and a recognized advisor for the maritime industry. We enhance safety, quality, energy efficiency and environmental performance of the global shipping industry – across all vessel types and offshore structures. We invest heavily in research and development to find solutions, together with the industry, that address strategic, operational or regulatory challenges.



[www.man-es.com](http://www.man-es.com)

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.

## Sponsors



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Chero Germany (Chero GmbH) always focuses on the research and development, design, application and service in the field of Gas Treatment. Our professional R&D team at Aachen Germany accumulated more than 30 years' experience, provides the high efficient, reliable processing solution for many fields including Thermal Power, Marine, Food Industry and Pharmacy.



[www.gtt.fr](http://www.gtt.fr)

GTT is an engineering company expert containment system for the transport and storage of Liquefied Natural Gas (LNG) in cryogenic conditions. The company provides engineering, services, consultancy, trainings, support, maintenance and technical studies.

Working all around the world in partnership with the main shipyards and ship-owners, GTT operates in several sectors: LNG Carriers and Very Large Ethane Carriers, Multi-gas carriers, Floating LNG units, Floating Storage and Regasification units, onshore storage tanks and bunkering.

Its expertise and ability to innovate to meet customer requirements and international regulations allow GTT to propose solutions for the whole LNG chain, including LNG use as a fuel for commercial vessels and cruise ships, and distribution by feeder or barge.



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

Jianlong Electrical is a domestic enterprises which combined research and development, design, manufacture and sales. We possess and master many high-tech industrial products and widely apply in difference industry and filed which include high-current industrial connector, shipborne and shore power socket boxes, shipborne cable drum, high-protection industrial connector, maintenance socket boxes, high-protection PC enclosure, sealed window boxes and connectors for NEV in harbor and shore, shipbuilding industry, new energy, rail transit and industrial automation etc. We are in the lead in this industry.



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

Lechler GmbH was founded in 1879 in Germany, based in Metzingen, Stuttgart. As Europe's No. 1 in spray technology, Lechler has years of experience in the shipbuilding and marine industries. Lechler is the only supplier, which offers both precision spray nozzles for the EGC process and droplet separators for elimination of droplets. Lechler products have earned a reputation for excellent quality. With our more than 135 years of experience in nozzle technology and our detailed process knowledge in the marine scrubber industry, we will find the perfect solution for your requirements.

## Agenda

Day One / Thursday, 30th May, 2019

- 08:50-09:00 **Chairman's Opening Remark**
- 09:00-09:40 **Policies and Regulations Update and Interpretate by IMO**
- A review of MEPC 74
  - Ballast Water Management Convention
  - The latest on 2020 Global Sulphur Cap
- 
- 09:40-10:20 **Policies and Regulations Update and Interpretate by European Commission**
- European Commission's work on EU and international sustainable shipping
  - The updates of EU rules and regulations
  - Implementing the MRV regulation
- 
- 10:20-10:50 **Refreshment and Networking** 
- 10:50-11:30 **Policies and Regulations Update and Interpretate by U.S. Coast Guard**
- What are the next steps for the USCG going into 2020
  - Vessel compliance date extensions
  - The latest on BWM system type approvals
- 
- 11:30-12:10 **Policies and Regulations Update and Interpretate by China MSA**
- What we have done in the past year
  - The updates on China emission control areas (ECAs)
  - Policies and regulations outlook
- 
- 12:10-13:30 **Luncheon** 
- 13:30-14:05 **Green Ship Designs**
- New design concepts conforming to environment and regulation requirements
  - Optimize ship body design, propeller performance, engine output, energy management and other indicators
  - Innovation and breakthrough in the design of different ship models
  - Analyze new ship designs which will become industry trend: able to reduce emission, and have cost advantage
- 14:05-14:40 **The Application of Big Data for Ship Operational Efficiency**
- Big data in shipping
  - Utilising the integrated information and plenty of data to make the right decisions
  - Big data could help you to slash maintenance costs, manning costs, fuel costs and more
- 14:40-15:10 **Refreshment and Networking** 
- 15:10-15:45 **LNG as A Fuel for Ships**
- A cryogenic fuel for ships: outlining new safety considerations for the maritime industry
  - Understanding the key challenges for different vessel types
  - Design review of LNG fuelled vessels already in operation
- 15:45-16:20 **Engine Developments to Meet Emissions and Efficiency Regulations**
- The technology developments on LNG / dual fuel engine
  - How does digitalisation affect your main engine
- 16:20-16:55 **Retrofitted Propulsion Enhancers to Improve Energy Efficiency**
- The latest retrofitted energy efficient propulsion solutions
  - Energy saving results
  - Real operational profile and suitability to vessel types
  - How can this work for retrofitting
  - Re-design propeller curve
- 16:55 **Close of Day One**

## Agenda

Day Two / Friday, 31st May, 2019

- 09:00-09:35 **EGC Installations for Retrofit**
- Ship type and design considerations
  - Vessel stability
  - Identifying the engine / boiler
  - Costs comparisons
- 09:35-10:10 **Fast Installation Concept for Scrubbers**
- The challenge of retrofitting
  - Description of the fast installation concept
  - Benefits for the ship owner
- 10:10-10:40 **Refreshment and Networking** 
- 10:40-11:15 **Implementing Continuous Monitoring Systems**
- What are the latest developments in this technology?
  - Can installing monitoring technology help scrubbers comply with IMO guidelines?
- 11:15-11:50 **Utilising SCR Technologies to Reduce Nox Emissions**
- Current status and experience with Tier III systems
  - Special aspects for retrofitting
  - New developments and trends
- 11:50-12:25 **The Impact of the IMO Global Sulphur Cap 2020 on Fuel and Lubricant Selection**
- The increase in the variety of fuels will make compatibility testing more important than ever
  - Using lubricants specifically designed to work with low sulphur fuels
- 12:25-13:30 **Luncheon** 
- 13:30-14:05 **Ballast Water Treatment System Installation**
- Preparation for installation
  - Installation plan approval
  - Commissioning survey
  - Resolution to operational issues
- 14:05-14:40 **Ballast Water Treatment Systems Retrofitting**
- Choosing the right treatment system
  - The important requirements of the vessel that needed to be considered in regards to space and layout
  - How long did it take to install?
  - The role of the treatment system supplier during this process
- 14:40-15:15 **Guaranteeing Crew Competence - For Effective System Operation, Maintenance & Upgrades**
- Effective training for system operations, upgrades & maintenance
  - What to do when things go wrong or out of control?
  - Action plans for emergencies
  - Computer- based training / virtual trainings onboard
- 15:15-15:30 **Lottery Time** 
- 

MacBook Pro



iPhone XS Max



Apple Watch Series 4



Apple TV 4K
- 15:30-16:00 **Refreshment and Networking** 
- 16:00 **Close of the Conference** 

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## CONFERENCE FEE

Special Offer	Price	Date
<input type="checkbox"/>	USD 1895 / Delegate	Before Dec.14th, 2018
Original Price	<input type="checkbox"/>	USD 1995 / Delegate

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

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

## REGISTRATION FORM

### 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 January 18th, 2019 will bear 30% of registration fee as administration charge. Cancellations received after the January 18th 2019 will bear the full liability of the total conference fee.

## CONTACT

**Mr. Quin Xu**

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E-mail: quin.xu@ridgechina.com

### ★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.

**Register  
Now**



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Apple Watch Series 4



Apple TV 4K