



[smm-hamburg.com/trailer](https://smm-hamburg.com/trailer)  
the leading international  
maritime trade fair  
6-9 sept 2022

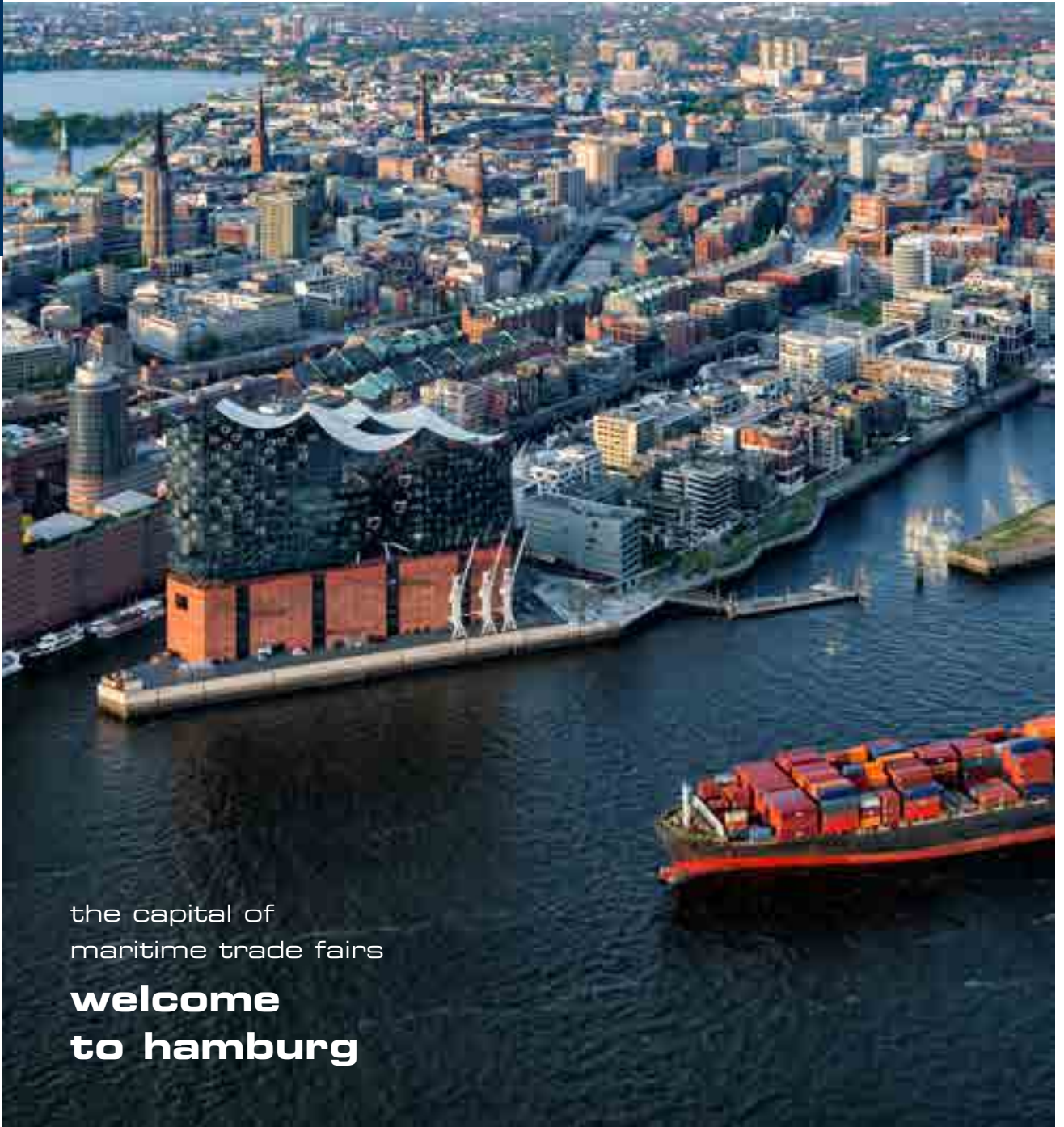


SMM insights 2022  
**discover what  
drives the  
maritime world**

 Hamburg  
Messe + Congress







the capital of  
maritime trade fairs  
**welcome  
to hamburg**

Millions of visitors love Hamburg for its beauty, its blend of tradition and modernity, and of course for its night-life. Maritime industry professionals have at least one more very good reason to spend a few days here: SMM, the world's #1 trade fair for the maritime industry.

### **born to lead**

Building on a history of six decades, SMM is deeply connected with all maritime sectors and continues to strengthen its globally leading position against the background of special locational advantages like the Port of Hamburg and the greater metropolitan region, which is considered to be one of the most promising hydrogen regions in Europe. Home to major shipyards

and shipping companies, as well as being the world's capital of maritime classification societies, Hamburg attracts many suppliers and nurtures a brimming start-up scene. Seize the chance to meet them at SMM.

### **more to discover**

SMM is ultimately also the reason why Hamburg has been able to build on its reputation as the capital of maritime trade fairs. SMM paved the way for specialised events like MARINE INTERIORS Cruise & Ferry Global Expo, as well as Seatrade Europe, WindEnergy Hamburg, and H<sub>2</sub> EXPO & CONFERENCE, which all take place here and offer unique platforms for exchange and innovation within the maritime community.

the 30<sup>th</sup> edition

## the most innovative SMM is here

From 6 – 9 September 2022, SMM is presenting the most diversified and innovative programme in the event's history. Leaving the pandemic behind, the 30th edition of SMM is packed with highlights and offers you the long-awaited opportunity to finally meet maritime industry leaders and business partners live again – on the exhibition floor, at the conferences, or at numerous related networking occasions at SMM and in the city of Hamburg.

»Over the decades, SMM has become the most important meeting place for the maritime industry. We look forward to meeting our customers, partners and competitors again in Hamburg and expect to see a further boost in innovations.«



**MICHAEL SCHULZ**  
Managing Director of  
Raytheon Anschutz GmbH

### a must-attend event for decades

Once again, it's going to be huge: we expect around 2,000 exhibitors and more than 40,000 visitors from over 100 countries to use this opportunity for face-to-face business, to push innovations and to discuss challenges in many fields of our industry. Join them – it's here at SMM, where the maritime community forges relationships that last.

This issue of SMM Insights gives you an overview about what to expect in terms of topics and key areas, conferences, networking spaces, and much more.

Let's drive the maritime transition together – we look forward to welcoming you to Hamburg.

watch our  
trailer to see  
what makes SMM  
the #1:  
[smm-hamburg.com/trailer](http://smm-hamburg.com/trailer)





official supporter of the maritime  
industry's evolution

## six decades of innovation



The need for SMM emerged way back in the mid-50s. Driven by a new era of economic optimism and the strong development of the maritime sector, the members of the newly formed German Association of Marine Engineers (VDSI) held a convention every 2–3 years in the city of Flensburg, and combined it later with a specialist trade fair.

This idea turned into SMM when the Hamburg branch of the VDSI hosted a similar congress in Hall B of the exhibition centre in Hamburg. The event took place on 22 May 1963 and was accompanied by the 'Schiff und Maschine' (Ships and Engines) exhibition. This was to be the very first in the series of SMM international trade fairs. Boosted by the export-oriented German economy and the importance of Hamburg as one of Europe's leading ports, SMM managed to gain in reputation and has been growing ever since.



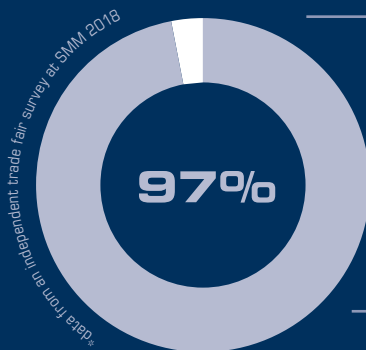


Closely monitoring development within the various maritime sectors and offering visitors an ever-expanding and more diversified picture of topics, players and technologies, SMM developed into the most important exhibition and networking event for the maritime industry, and remains so to this day.

For six decades now, SMM has been pursuing its mission to continuously build and expand a unique platform that highlights innovations and initiatives, encourages dialogue and cooperation, and helps drive business forward. After the last physical event in 2018 and the

virtual SMM DIGITAL in February 2021, SMM is now proud to open its doors again for the movers and shakers of the maritime transition to join forces in tackling the industry's big challenges.

More about the history of SMM at [smm-hamburg.com/history](https://smm-hamburg.com/history)



#### will be attending SMM again

97%\* of all visitors indicated that they either are considering or will certainly be attending next SMM.

#### high-quality conference programme

97%\* of conference participants rated the conference programme at previous SMM as either excellent or highly satisfactory in an overall assessment.

#### the most important maritime industry fair for international visitors

97%\* of all SMM visitors from outside of Germany regard SMM as important to very important for their business or organisation.

the must-attend event for the maritime industry

## expected figures for SMM 2022

around **40,000**  
visitors from **100** nations

**2,000**  
exhibitors from all sectors

# SMM area plan



the sectors, the halls, the stages

## this way to the future of the maritime industry

Our halls are dedicated to specific industry sectors, making visiting extremely efficient. This year's SMM covers the entire trade fair site with 11 halls and an exhibition area of 90,000 m<sup>2</sup>.

Opening hours:

Tuesday – Thursday 10:00 – 18:00, Friday 10:00 – 16:00

The impressive trade fair site features modern halls with state-of-the-art exposition facilities. It enjoys a unique location in the heart of Hamburg and is easy to reach by public transport. In the immediate vicinity, you step into the trendy Schanzenviertel quarter and the lush green botanical park Planten un Blumen.

theme routes

## find exhibitors of interest to you

Six theme routes make it easy for you to find exhibitors in your area of interest. In the online exhibitor directory, visitor guide and app, participating exhibitors are marked with a matching theme route icon. Check them out, compile your personal list of favourites and, if you like, arrange appointments for the day of your visit.



### Digital Route

Follow this route to innovative digital products and services for centralised remote management from land, autonomous and semi-autonomous shipping, data and network security, HTS-capable satellite communication solutions, and more.

[smm-hamburg.com/digital-route](https://smm-hamburg.com/digital-route)



### Security & Defence Route

Following this route makes it easy for you to find some of the world's leading providers of security-oriented products and services for military or dual-use applications or for use in civil shipping.

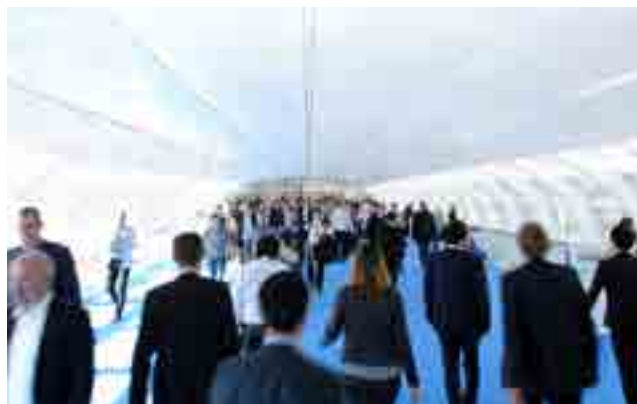
[smm-hamburg.com/security-route](https://smm-hamburg.com/security-route)



### Green Route

Discover the enablers of green shipping: providers of alternative fuels, hydrogen technology, innovative solutions for the reduction of greenhouse gas emissions and defossilisation of shipping, as well as further systems that contribute to the maritime energy transition.

[smm-hamburg.com/green-route](https://smm-hamburg.com/green-route)



### Cruise & Ferry Route

This route leads you to suppliers of ship technology from the machine room to the bridge, suppliers and service providers in the areas of interior equipment & technology, interior design, and passenger health & safety.

[smm-hamburg.com/cruise-route](https://smm-hamburg.com/cruise-route)



### Start-up Route

Meet upcoming providers of innovative products, services and concepts for the maritime industry. Start-ups are grouped in joint stand areas close to established exhibitors in the respective sector.

[smm-hamburg.com/start-up-route](https://smm-hamburg.com/start-up-route)



### Job Route

This icon marks exhibitors who are searching for qualified specialists and junior employees, and who would like to inform them directly at the trade fair stand itself about job opportunities in their company.

[smm-hamburg.com/job-route](https://smm-hamburg.com/job-route)

sponsoring options

## let's draw attention to your business

Are you looking for new business contacts? Choose from our sponsoring opportunities and make your brand stand out on our physical and digital platforms. We offer you efficient measures that generate high-impact visibility, reach selected audiences or address VIPs in exclusive and focused environments. And of course, we can also help you with a completely customised solution.



Discover your options at  
[smm-hamburg.com/sponsoring](https://smm-hamburg.com/sponsoring)



# on course for sustainability and efficiency

The SMM Maritime Industry Report 2021 reveals the intentions of high-profile decision makers from shipping companies, shipyards and suppliers regarding planned investments, as well as their views on economic and technological developments. A separate chapter also covers the sector of MARINE INTERIORS. No other publication offers a more precise picture of the mood in the maritime industry.

To read the full report, download your personal copy at [smm-hamburg.com/mir](http://smm-hamburg.com/mir)

## investments in green technology as top priority

The maritime industry sees the need to reach zero emissions as the decisive task for the years ahead. 71% of the shipowners surveyed said they plan to invest in their

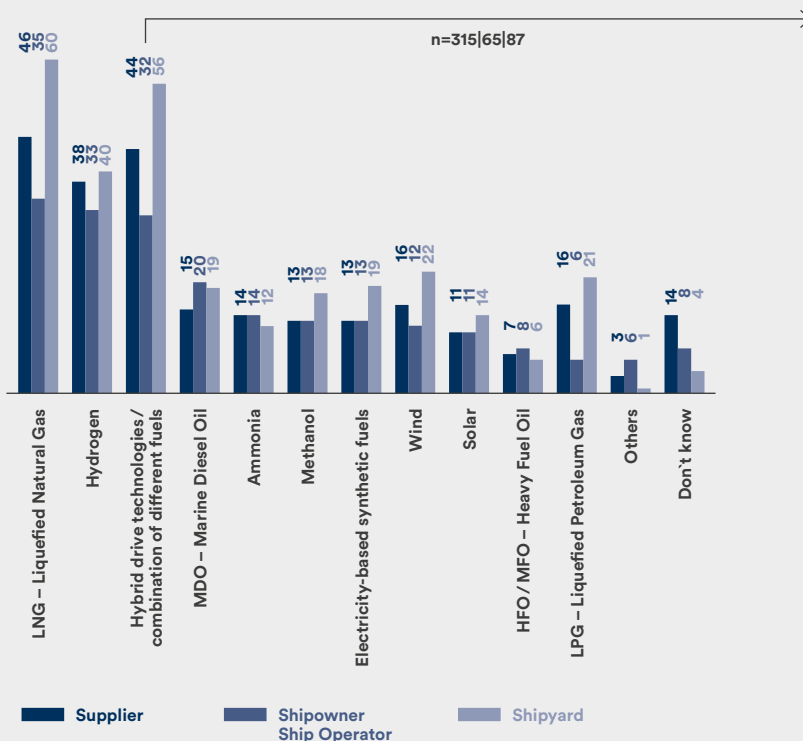
fleet to reduce emissions in the next two years. 83% of the representatives from the MARINE INTERIORS sector, and 85% on the shipyard and supplier side, expect environmental protection and sustainability to set the maritime agenda for the next few years.

## which propulsion system will prevail?

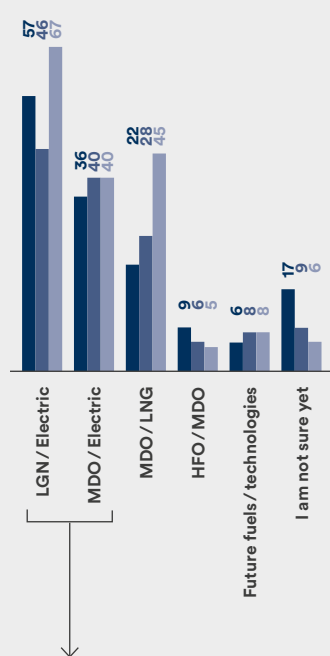
LNG, hybrid technologies, biofuels, batteries, hydrogen or ammonia: the maritime industry has many choices, with hybrid drive technologies and hydrogen gaining momentum. Despite the urge to act, progress takes time as executives need to make far-reaching decisions based on detailed calculations and scenarios to mitigate risks and uncertainties.

The SMM Maritime Industry Report shows what types of fuel shipowners prefer for future investments, as well as the fuel with the greatest future demand according to shipyards and suppliers.

### Choice of fuel



### Hybrid drive technology – combination of fuels



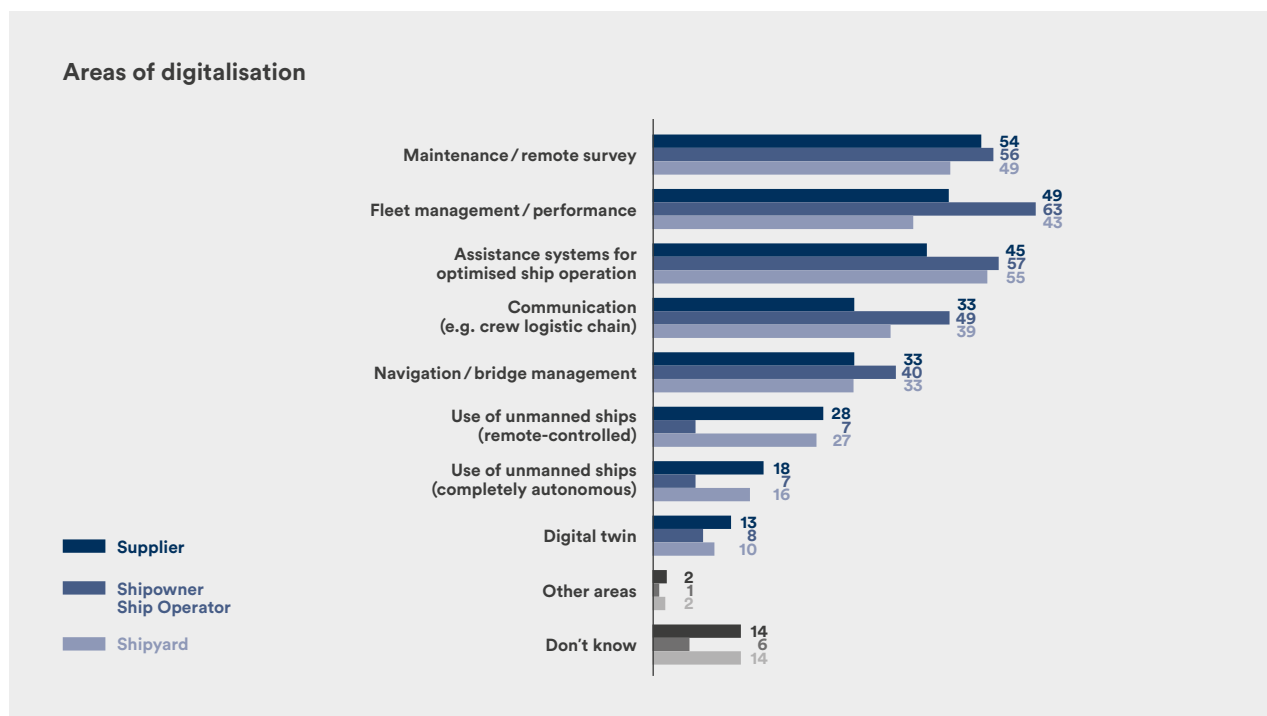
MDO/Electric and LGN/Electric\* are the most popular combination of fuels. Both provide flexibility in cost-efficiency and cleanliness (e.g. limit or almost eliminate sulphur emissions).



## where is digitalisation gaining the most ground?

The SMM Maritime Industry Report 2021 shows the areas with the most impetus for the shipping industry in the next few years due to increasing digitalisation. The connection of advanced technologies is set to further improve many processes, especially for ship-

owners' fleet management, but also throughout the industry in the areas of maintenance and optimised ship operation, with AI- and drone-assisted systems serving in inspection and monitoring tasks.



**DNV**

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**INTO  
CONFIDENCE**

## key area green technology on the path to decarbonisation

From LNG to hydrogen, from ammonia to methanol, from dual fuel to MFO/MDO: solutions to increase efficiency, as well as low-emission and zero-emission drive technologies are bound to dominate the exhibition floor in halls A3 and A4. It's here that you can meet leading and upcoming players of the maritime industry presenting innovations in the area of fuel systems.

»Innovative solutions to support shipping's green transition will take centre stage at SMM; IMO is committed to facilitating the transition to a green and sustainable future. I look forward to engaging with key stakeholders and discussing how to ensure a just and equitable transition that also recognises the need for skills and technology development in developing countries.«



**KITACK LIM**  
Secretary-General of  
the International Maritime  
Organization (IMO)

### innovations on the Green Transition Stage

In hall A4, a specially designed stage gives you the opportunity to see exhibitors present alternative propulsion and environmental technologies to reduce emissions in the form of short presentations and talks. Visit the Green Transition Stage to connect with innovative suppliers in this area.

### exhibitors on the Green Route



If you're interested in meeting exhibitors specialising in green shipping technologies, just follow the Green Route. The green theme route icon in the online exhibitor directory, visitor guide and app indicates the participating exhibitors. [smm-hamburg.com/green-route](http://smm-hamburg.com/green-route)

### thought leaders at gmec

A sure highlight at this SMM will be gmec, the global maritime environmental congress, on 7 September 2022. On the agenda: the industry's decarbonisation progress and ambition, commercial challenges, and path-breaking solutions on the way to a more sustainable shipping. [smm-hamburg.com/gmec](http://smm-hamburg.com/gmec)

key area interior outfitting

## MARINE INTERIORS @SMM

The interior outfitting sector, which has been an important part of SMM for many years, is receiving more attention than ever – especially against the background of passenger safety and a strong demand for sustainable materials and design solutions.

At SMM 2022, halls B5 and B6 provide space for dedicated MARINE INTERIORS areas. It's here that you'll find state-of-the-art solutions for interior design, equipment and technology for passenger ships, and meet some of the sector's leading interior designers, architects and manufacturers.

### innovations on the MARINE INTERIORS Stage

In hall B5, a specially designed stage provides an excellent opportunity to follow short presentations and talks on new concepts in interior design, equipment and technology for passenger ships. Visit the MARINE INTERIORS Stage to connect with innovative suppliers in this area.

### exhibitors on the Cruise & Ferry Route



If you're interested in meeting exhibitors specialising in MARINE INTERIORS, just follow the Cruise & Ferry Route. A corresponding theme route icon in the online exhibitor directory, visitor guide and app indicates the participating exhibitors.

[smm-hamburg.com/cruise-route](http://smm-hamburg.com/cruise-route)

»I believe that art, craft and design together form a strong language that records, promotes and enhances our engagement with the cultures we live in and with those we visit on our journeys. I am looking forward to sharing a stage with inspiring members of our industry at the MARINE INTERIORS area @SMM 2022 to discuss insights and inspiration for a more sustainable and regenerative future.«



**TAL DANAI**  
Founder & CEO, ArtLink







special indoor area

## Start-ups@SMM

Meet the maritime industry's future leaders. With an extensive programme for the presentation of start-ups and their innovative concepts, SMM underlines its claim to offer game-changing players in the maritime industry an optimal platform for business success. Participating Start-ups@SMM are grouped together in dedicated areas. According to their field of service, they are located close to established exhibitors in the sector-specific halls. [smm-hamburg.com/start-ups](https://smm-hamburg.com/start-ups)

## introducing the SMM Maritime Start-up Award

To put Start-ups@SMM even more in the spotlight, young companies are invited to present their innovative concepts to the public and an expert jury on 7 September 2022. The SMM Maritime Start-up Award is a first within SMM and recognises the most compelling new concept across all sectors. Receiving this award will give start-ups additional visibility and media coverage within the global maritime industry.

In the categories digital, environmental, and shipbuilding & machinery, three pitch sessions will be held throughout the day on the Digital Transition Stage in hall B6, with the winners competing against each other in the evening at SMM Maritime Start-up Night.



## SMM Maritime Start-up Night

Find out the jury's selection of runners-up and the winner of the SMM Maritime Start-up Award on the evening of 7 September 2022 in an exciting supporting programme with first-class networking, music, drinks and finger food. A perfect opportunity to capture the spirit of the SMM community.

### Start-up Route



This route leads you directly to upcoming providers of smart and innovative products, services and concepts for the maritime industry. A corresponding theme route icon in the online exhibitor directory, visitor guide and app indicates the participating newcomers. [smm-hamburg.com/start-up-route](http://smm-hamburg.com/start-up-route)



## outdoor exhibition and action open-air site

See exhibits in operation or follow special product demonstrations in our open-air sites in the immediate vicinity of halls A and B. Besides additional exhibitors, the open-air site features various opportunities to enjoy some food or drinks and to relax while listening to music – an ideal complement to the busy trade fair life in the halls.

»As we will be launching our full service in 2023, SMM is a perfectly timed platform to share our vision for how our pioneering, terrestrial-grade connectivity solutions will help to accelerate digitalisation throughout the maritime industry so that together we can create a more efficient, sustainable and profitable future.«



**CAROLE PLESSY**  
Head of Maritime at OneWeb





meet the speakers

## transition stages

Attend presentations on path-breaking solutions and contact the professionals on the spot. Three transition stages with individual thematic focus serve as a first-class opportunity for information and networking.

**Green  
Transition  
Stage**

**hall A4**  
on alternative  
propulsion and  
environmental  
technologies  
to reduce emis-  
sions

**Digital  
Transition  
Stage**

**hall B6**  
on digitalisation  
in the maritime  
industry

**MARINE  
INTERIORS  
Stage**

**hall B5**  
on interior  
design, equip-  
ment and  
technology  
for passenger  
ships



### it's wine o'clock

The 30th edition of SMM is a good reason to raise a glass or two. Following the lectures and presentations, from 17:00 onwards our networking format "wine o'clock" turns each stage into a relaxed and communicative meeting place for maritime industry experts. Or join some of the popular exhibitors' stand parties at SMM – in any case, you will experience a lot of SMM community feeling here.



prearranged business meetings

## MariMatch @SMM

In cooperation with the [Enterprise Europe Network](#), this well-established and highly acclaimed networking format offers you access to future business and research partners.

### meet your perfect match face to face

MariMatch provides you with invaluable contacts via prearranged [20-minutes B2B meetings](#) focusing on innovative solutions for sustainability and digitalisation.

Under the motto “Inspiration – Cooperation – Innovation”, MariMatch also offers much-needed information, like [consultation on EU funding](#) for maritime research and innovation or advice on sustainable innovation.

To be introduced to potential business or research partners on the spot, you are invited to join [guided tours](#) “Innovation from Northern Germany” in cooperation with Maritime Cluster Northern Germany.



### wide range of topics

MariMatch is right for you if you come with requests for innovative solutions concerning e.g.

- Alternative propulsion
- Emission reduction
- Efficiency and circular economy
- Digitalisation and automation
- Additive manufacturing
- New materials

### all sectors welcome

MariMatch connects you with international partners within all categories present at SMM, e.g.

- Shipbuilding and shipyard industry
- Ship equipment
- Propulsion and electronics
- MARINE INTERIORS
- Port technology and cargo systems
- Maritime services
- Shipping business and charterers
- Marine technology

### where and when

MariMatch takes place in hall B4 (upper floor of east entrance) on [8 and 9 September 2022](#). Participation is [free of charge](#) for exhibitors and visitors of SMM.

Meetings must be booked in advance; consultations can also be requested spontaneously on-site.

To register, please visit [smm-hamburg.com/marimatch](https://smm-hamburg.com/marimatch)



hygiene and safety measures

## ensuring the full experience

In close cooperation with the authorities and institutions, we have developed a COVID-19 catalogue of measures that regulates the cooperation at our events in such a way that the joy of information and experience is not lost. The measures will be adjusted according to the ongoing

development of the pandemic, as well as to changes on the part of the authorities and institutions.

To get an overview, please visit [smm-hamburg.com/safety](https://smm-hamburg.com/safety)



## SOUTH ASIA'S LARGEST MARITIME EXHIBITION & CONFERENCE

**1-3 JUNE 2022**

JIO WORLD CONVENTION CENTRE,  
BKC, MUMBAI

Organised by  
**informa**markets

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### PRODUCTS UNDER FOCUS



Shipbuilding &  
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Ship  
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Marine  
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Port & Port  
Technology



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& Security



Green Maritime  
Technology



For more information, contact  
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M: +91 77188 81590

**Brendan Fernandes**

E: [brendan.fernandes@informa.com](mailto:brendan.fernandes@informa.com)  
M: +91 98205 33927



30th anniversary raffle

## win a conference ticket

On the occasion of the 30th SMM, we make subscribing to our newsletter even more attractive. You not only stay up to date with the latest on the trade fair event and its conferences and receive brand-new insights such as the SMM Maritime Industry Report – this time there may also be a unique information and networking experience in it for you.

### the SMMartest reward ever

Among all those who sign up for our very well-received SMM eNews for the first time in May or June 2022, we'll be giving away **30 tickets** to the high-profile SMM conferences. Seize your chance to join the discussion with some of the industry's thought leaders. Good luck!

To take part in the raffle, please subscribe for the newsletter at [smm-hamburg.com/news](http://smm-hamburg.com/news)






### get the SMM app

The SMM app supports you in the preparation of your visit to the fair and ensures that you have all the important information handy. This will help you navigate the event, plan meetings and important keynotes, and will avoid you missing any of the highlights.

Please download the app for free from August onwards at [smm-hamburg.com/app](http://smm-hamburg.com/app)

### connect, retweet, watch and like

We bring you specific SMM updates and insights on our social media channels. In the run-up to the event, right when it happens and afterwards as well.

-  [linkedin.com/company/smmfair](https://linkedin.com/company/smmfair)
-  [facebook.com/SMMfair](https://facebook.com/SMMfair)
-  [twitter.com/SMMfair](https://twitter.com/SMMfair) #SMMfair
-  [youtube.com/SMMfair](https://youtube.com/SMMfair)





## SMM supporting programme a week full of inspiration

Attending the high-profile conferences, dialogue sessions or workshops at SMM provides a wealth of insights into challenges and solutions within the different sectors and offers many exclusive opportunities for cooperation and networking.

Kicking off the conference series at SMM, the Maritime Future Summit takes place on the eve of the trade fair. The event brings together highly acclaimed industry leaders presenting path-breaking cases for the next phase of the digital transformation.

TradeWinds Shipowners Forum offers participants a first-class interactive discussion format on the future of container shipping and shipbuilding.

gmeC, the global maritime environmental congress, is set to attract worldwide attention because of its large and pressing range of topics around green shipping and its impressive line-up of speakers from leading companies and organisations.

Monitoring climate change and generating energy from the oceans will be core topics for leading industry experts taking the stage at the Offshore Dialogue.

At the two-day MS&D, the international conference on maritime security and defence, senior representatives from navies and speakers from leading companies and research institutes address some of the most pressing non-military and military challenges of today and tomorrow.

Further formats such as the CIMAC Circle, Amver Awards and various company events during the whole week add to a unique conference and event programme at SMM.

To get the complete overview, please visit [smm-hamburg.com/programme](http://smm-hamburg.com/programme)



visit  
[smm-hamburg.com/  
 programme](http://smm-hamburg.com/programme)  
 for more information  
 about the conferences  
 and events

**the main events at a glance**

monday 5 september	<b>Maritime Future Summit</b>				
tuesday 6 september	<b>SMM</b>	<b>TradeWade Shipowners Forum</b>			
wednesday 7 september	<b>SMM</b>	<b>gmea</b>	<b>Maritime Start-up Pitches &amp; Night</b>		
thursday 8 september	<b>SMM</b>	<b>MS&amp;D</b>	<b>Offshore Dialogue</b>	<b>MariMatch</b>	
friday 9 september	<b>SMM</b>	<b>MS&amp;D</b>	<b>Maritime Career Market</b>	<b>MariMatch</b>	

»For us, SMM is the ideal platform to get a complete overview of the latest technical innovations and to meet important suppliers from all over the world.«



**RICHARD VON BERLEPSCH**  
 Managing Director Fleet  
 Hapag-Lloyd

Maritime Future Summit

# connected technologies on the rise



**opening**

**10:30 - 11:00**

#### Welcome address

- Bernd Aufderheide CEO, Hamburg Messe und Congress
- Krischan Förster Chief Editor, HANSA

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#### Introduction and session moderation

- Prof. Dr Volker Bertram World Maritime University

**Maritime  
Future  
Summit**



**5 sept 2022**

conference room chicago  
central entrance, 3rd floor

### Defining position and course in digital transformation for a shipping liner company

→ **Donya-Florence Amer** CIO, Hapag-Lloyd

### AI- and drone-assisted ship hull survey

→ **Pierre Sames** Group Research and Development Director, DNV

### From hull to cloud: hull condition monitoring 4.0

→ **Solène Guéré** Vice President, notilo plus

### Design cooperation in COVID-19 times using VR

→ **Kenneth Goh** General Manager (Australia), Knud E. Hansen

### Accelerated digital transformation from CCS perspective

→ **Ma Jilin** Director of Intelligent Technology and Safety Laboratory, CCS

### A vision for CAD/CAM integration for the shipbuilding industry

→ **Ludmila Seppälä** Director Business Development, Marine Industry, Cadmatic

### Harnessing digital transformation to unlock shipping's potential

→ **Sean Fernback** CEO, Wärtsilä Voyage

### Ultimate data transparency as the key to a brighter future

→ **Patrick Müller** Business Owner Digitalisation, Siemens Energy Marine

### Closing

→ **Bernd Aufderheide** CEO, Hamburg Messe und Congress

→ **Krischan Förster** Chief Editor, HANSA

Get your conference ticket with early-bird rates at [smm-hamburg.com/ticket](https://smm-hamburg.com/ticket)

As of May 2022 / subject to change. Please check our online conference programme for updates at [smm-hamburg.com/mfs](https://smm-hamburg.com/mfs). Panel tickets available for every single panel; prices on p 30.

»The global maritime sector is facing an unprecedented transformation process. Smart minds, entrepreneurship and cutting-edge technology are needed to meet the challenges. I am therefore very pleased to join the leading maritime companies for the 30th SMM in Hamburg in September 2022.«



**CLAUDIA MÜLLER**  
Federal Government Coordinator  
for the Maritime Industry and  
for Tourism



To visit exhibitors related to the topics of this conference, please follow the [Digital Route](#). More about our theme routes on page 7 or online at [smm-hamburg.com/digital-route](https://smm-hamburg.com/digital-route)

In cooperation with

**HANSA**  
INTERNATIONAL MARITIME JOURNAL

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中国船级社



gmec, the global maritime  
environmental congress

## setting a green course

### opening

10:00 - 10:30

#### Welcome address

- **Bernd Aufderheide** CEO, Hamburg Messe und Congress
- **Emma Howell** Director of Digital & Commercial Content, Seatrade Maritime

#### Keynote

- **Claudia Müller** Federal Government Coordinator for the Maritime Industry and Tourism

#### Moderation for all sessions

- Seatrade Maritime

### panel I

10:30 - 11:30

#### Hydrogen and the shipping energy mix

Hydrogen and hydrogen-based fuels are central to the debate around shipping's future energy mix. From fuel cells to green ammonia, the efficient generation, transport and use of hydrogen may shape the supply chains of tomorrow. In this session, experts with varied interests in hydrogen's application in the maritime industry will discuss its benefits, the current roadblocks to wider adoption, and the technological pathway to hydrogen-powered shipping.

#### Speakers

- **Claudia Müller** Federal Government Coordinator for the Maritime Industry and Tourism
- **Georgios Plevrakis** Vice President, Global Sustainability, ABS
- **Stijn van Els** Director Commercial Delivery, Port of Rotterdam

### panel II

11:45 - 12:45

#### Navigating the zero-carbon transition

The goal of decarbonising shipping has been accepted by the industry, but the journey to decarbonisation poses commercial difficulties as companies invest in long-lasting assets in a period of rapid technological development. Inaction poses its own threat, as more-polluting supply chains look set to become less acceptable to companies and consumers alike. This session will look at the potential challenges businesses face in the transition to zero carbon, and the technologies and strategies that could help minimise commercial risk.

#### Speakers

- **Torgeir Sterri** Senior Vice President, DNV
- **Elisabeth Munck af Rosenschöld**  
Sustainability Manager Supply Chain Operations, IKEA
- **Helge H. Grammerstorf** National Director, CLIA Germany

global maritime  
environmental congress  
**gmec**



**7 sept 2022**  
conference room chicago  
central entrance, 3rd floor

## panel III

13:45 - 14:45

**Nurturing green shipping innovation**

Developing technologies for use at sea poses unique challenges, but the industry must innovate if it is to meet current and future emissions targets and minimise its impact on the environment. Government policy support can mean the difference between success and failure for a new technology and is often a lifeline for companies at the cutting edge. In this session we will appraise policy support past and present from around the world, what support is available for innovators, and what technology companies want to see from government initiatives.

**Speakers**

- **Christophe Tytgat** Secretary General, SEA Europe
- **Klaus Schmidberger** Vice President, KfW IPEX
- **David Connolly** Chief Technologist, Silverstream Technologies

## panel IV

14:45 - 15:45

**Wind propulsion – the time is now**

Wind propulsion and wind-assisted propulsion are becoming increasingly attractive to the shipping industry as decarbonisation takes centre stage and the transition to a zero-carbon future raises the prospect of higher fuel costs. This session will look at cutting-edge versions of what is a centuries-old solution to zero-carbon transport. The panel will discuss recent and ongoing trials and deployments of various wind propulsion solutions, the current state of the technologies, the economics of wind propulsion, and the benefits and limitations of harnessing the wind for ships.

**Speakers**

- **Gavin Allwright** Secretary General, International Windship Association (IWSA)
- **Prof. Dr Orestis Schinas** Partner HHX. Blue
- **Cristina Aleixendri** COO & Co-Founder, bound4blue



To visit exhibitors related to the topics of this conference, please follow the [Green Route](#). More about our theme routes on page 7 or online at [smm-hamburg.com/green-route](http://smm-hamburg.com/green-route)

## panel V

16:00 - 17:15

**The NGO debate – is shipping doing enough to decarbonise?**

The shipping industry has accepted its responsibility to decarbonise maritime transportation, but some will say it took too long and is still moving too slowly. gmec will once again host representatives from environmental NGOs and the shipping industry to explore areas of agreement and points of conflict in shipping's carbon revolution. Through robust discussion, delegates can expect an opportunity to learn more about the viewpoints driving operational and regulatory changes across the maritime industry, and the directions in which they move.

**Speakers**

- **Jacob Armstrong** Sustainable Shipping Officer, T&E
- **Sönke Diesener** Transport Policy Officer, NABU
- **Lars Robert Pedersen** Dep. Secretary General, BIMCO
- **Matthias Wiese** Head of Technology & Innovations, Siemens Energy Marine
- **Hansjörg Kunze** VP Communication, AIDA Cruises
- **Captain Wolfram Guntermann** Director Regulatory Affairs, Hapag-Lloyd

**Public panel ticket for panel V available for €25**

**Closing**

- **Bernd Aufderheide** CEO, Hamburg Messe und Congress

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**8 september 2022**

**opening 09:00 - 11:10**

#### Welcome address

→ **Bernd Aufderheide** CEO, Hamburg Messe und Congress

→ **Jan Wiedemann** Chairman MS&D 2022, NAVAL FORCES

#### Keynote

The worldwide maritime security situation and expected future challenges

→ **Speaker tba**

#### Keynote

Would we be prepared? Political and military lessons learned from the Ukraine/Russia conflict

→ **Speaker tba**

#### Moderator for all sessions

→ **Jan Wiedemann** Chairman MS&D 2022, NAVAL FORCES

**panel I 11:10 - 12:25**

### maritime security

#### Non-military challenges to maritime security

**Inheritance from two world wars: unexploded underwater ordnance in European waters**

→ **Knut Baumann** Head of Product Management Services, thyssenkrupp Marine Systems

#### Cyber security in naval operations

→ **Patrick O'Keeffe** Non-Resident Fellow, Center for Asia-Pacific Strategy and Security Institute for Security Policy at Kiel University (ISPK)

international conference on  
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**MS&D**



**8 – 9 sept 2022**

conference room chicago  
central entrance, 3rd floor

**panel II 13:25 - 16:15**

### regional maritime security

#### Indo-Pacific region

**The Japanese Navy in transition**

→ **Captain (navy, rtd) Joachim Gutow**

**The Chinese Navy – ambitions and capabilities**

→ **Dr Sarah Kirchberger** Head of the Center for Asia-Pacific Strategy & Security, Institute for Security Policy, Kiel University (ISPK)

**Australia's role and strategy in the Indo-Pacific and Antarctica regions**

→ **Speaker tba**

#### The Arctic region

**National interests of bordering states and China harbour conflict potential in the Arctic**

→ **Dr Ian Anthony** Programme Director, European Security Programme, Stockholm International Peace Research Institute (SIPRI)

panel III

16:15 – 17:00

## **littoral operations and harbour security**

Force protection – key capability in the littorals  
→ Rear Admiral Henning Faltin NATO Centre of Excellence  
for Confined and Shallow Waters (COE CSW)

**9 september 2022**

panel III (cont.) 09:00 – 10:45

## **littoral operations and harbour security**

DEU MARFOR (German Maritime Forces Staff) –  
Nucleus for the Baltic Maritime Component Command  
(BMCC)

→ Rear Admiral Stephan Haisch German Navy

### **Implementing a harbour security system**

→ Josef Traxl Senior Consultant, eurotec group



To visit exhibitors related to the topics of this conference, please explore the dedicated exhibition area in [halls B2/B3](#) and follow the [Security & Defence Route](#). More about our theme routes on page 7 or online at [smm-hamburg.com/security-route](http://smm-hamburg.com/security-route)

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panel IV

10:45 – 15:45

## **maritime technology**

### technological developments

Hypersonic missiles – the invincible threat?  
→ Prof. Dr Wolfgang Koch Chief Scientist, Fraunhofer FKIE

The next generation of mine warfare vessels –  
combining multiple functions in one hull  
→ Torsten Feist Director Business Development, NVL B.V. & Co. KG

Alternative fuels – option for naval operations?  
→ Andreas Junginger Sales Navy & Governmental (SFMN),  
MAN Energy Solutions SE

Smart agile power systems for naval assets  
→ Marko Bischoff Senior Sales Manager – Naval Surface  
Vessels, Siemens Energy Marine

### unmanned systems

Multiple-use vs. one-way drones:  
partners or competitors?  
→ Dr Ulrike Franke Senior Policy Fellow at the European  
Council on Foreign Relations, and Lead of ECFR's Technology  
and European Power Initiative

### Unmanned surface vehicles (USV) becoming multirole talents

→ Ozgun Utku Alanc CEO, Ares Shipyard

### More capable UAS require more capable counter-UAS solutions. Test case ESG's GUARDION

→ Daniela Hildebrand Head of Counter-UAS Solution,  
ESG Elektroniksystem- und Logistik-GmbH

### Closing

#### **Chairman's assessment**

→ Jan Wiedemann Chairman MS&D 2022, NAVAL FORCES

#### **Closing words**

→ Bernd Aufderheide CEO, Hamburg Messe und Congress

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Offshore Dialogue

## new technologies for future needs

### panel I

#### offshore technology - mitigation and adaption to climate change

Session moderator:

→ Dr Walter Kühnlein

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Definition of climate change

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Environmental challenges due to climate change

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Impacts due to climate change

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Technologies to mitigate climate change

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Extreme climate changes in Arctic and Antarctic areas

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**8 sept 2022**

conference room marseille  
east entrance, hall B3 upper floor

### panel II

#### offshore energy technologies for today

Session moderator:

→ Prof. Dr Sören Ehlers

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Energy generation

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Energy storage: ions, artificial or natural fuels

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Energy supply

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Environmental and climate impact

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Scalability of energy concepts



## Maritime Career Market

# sea your future

With digitalisation and green shipping on the agenda, the global maritime industry needs highly skilled workers, seasoned specialists and talents who want to tap into exciting areas of work. Leading employers and training institutions are looking for minds that rethink technology, energy, environmental protection, safety, transport and tourism. Meet them on the last day of SMM, 9 September, at Maritime Career Market in hall B6.

### explore your opportunities

The MCM Forum provides a stage for industry experts and educational institutions to present different careers and educational pathways in the maritime industry – an ideal occasion to build your network, contact recruiters, ask questions or take part in the CV check to prepare perfectly for your job application.

### take the Job Route



In addition to the Maritime Career Market, the Job Route will serve you well in looking for a new employer, a training place or a partner company for your final BA/MA project. During the whole trade fair event, all participating exhibitors who are looking for entry-level and specialist staff are marked with the dedicated icon in all our listings – and they will look forward to meeting you. More about our theme routes on page 7 or online at [smm-hamburg.com/job-route](http://smm-hamburg.com/job-route)

**Maritime  
Career  
Market**



**9 sept 2022**  
south entrance, hall B6

### free ticket for pupils and students

On Friday, there is free entry for pupils and students – please make sure to register online and get your free ticket in our ticket shop at [smm-hamburg.com/ticket](http://smm-hamburg.com/ticket). For more information, please visit [smm-hamburg.com/mcm](http://smm-hamburg.com/mcm)

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## TradeWinds Shipowners Forum

On 6 September 2022, TradeWinds Shipowners Forum provides the stage for high-profile speakers and their views on pressing economic issues. Under the motto “Phoenix rise – rebound prospects for containers and shipyards” the debate focuses on the future of con-

tainer shipping and shipbuilding. For more information, please visit [smm-hamburg.com/sof](http://smm-hamburg.com/sof)



**6 sept 2022**  
conference room chicago  
central entrance, 3rd floor

## planning your trip

We’re experienced in organising your SMM participation. To serve you locally and in your national language, we provide a network of foreign representatives in over 40 countries around the world. They offer you services from personal advice to support on and around your trip to SMM. Let us know what you need and get in touch with us at [www.smm-hamburg.com/rep](http://www.smm-hamburg.com/rep)

### choosing a hotel

Within a short distance of the SMM site you will find about 100 hotels of all price categories and standards. To make booking fast and easy, please visit our website, where you can see our licensed service partners, select your preferred accommodation and reserve it immediately at [smm-hamburg.com/hotels](http://smm-hamburg.com/hotels)

### enjoying hamburg

The city brims with must-sees, praised as one of the world’s top tourist destinations. Discover its beauty from the magnificent Elbphilharmonie to the legendary

Reeperbahn, from cultural highlights to the latest trends in lifestyle and entertainment. Find more information at [smm-hamburg.com/hamburg](http://smm-hamburg.com/hamburg)

### arriving by plane or train

The SMM trade fair site enjoys a central location in Hamburg with favourable traffic access and is within walking distance of Dammtor mainline station and only 10 km or a 20-minute car drive away from Hamburg Airport. Moreover, the airport is connected to the public transport network, making it very easy and inexpensive to reach SMM in a maximum of 30 minutes. More information at [smm-hamburg.com/travel](http://smm-hamburg.com/travel)

### travel easy with SMM airport shuttle

To facilitate your travel from the airport to the SMM site, a shuttle service will be organised. Service times and conditions will be published shortly before SMM.

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## get your ticket

Tickets for SMM and its conferences are available at the [SMM online ticket shop](#). If you have an [invitation code](#), you can easily redeem online as well. Pupils and students are entitled to order tickets online free of charge to visit SMM on 9 September 2022. Get your ticket today at [smm-hamburg.com/ticket](http://smm-hamburg.com/ticket)

### admission prices

Ticket	Price
Season ticket	€98
2-day ticket	€65
1-day ticket	€42
Students*	€10
Students (09.09.2022)*	€0

All fees incl. 19% VAT.

\* Valid student ID verification on-site.

### opening hours

Tuesday – Thursday 10:00 – 18:00

Friday 10:00 – 16:00

### conference and panel tickets

Standard tickets for any of the conferences include SMM admission on the conference day and an additional day during the trade fair. If you're interested in special conference topics, a panel ticket, available for all conferences except Offshore Dialogue, allows you to visit a single conference panel and includes SMM admission on the respective day.



Ticket	Maritime Future Summit	gmec	MS&D	Offshore Dialogue
Standard*	€640	€640	€770	€330
Early bird until 31 July 2022*	€480	€480	€580	Not available
Panel ticket**	€330	€330	€330	Not available
Public panel ticket***	Not available	€25	Not available	Not available
Students****	€35	€35	€50	€35

All fees incl. 19% VAT.

\* The conference ticket includes SMM admission on the conference day and one additional day.

\*\* The conference panel ticket and public panel ticket includes SMM admission on the conference day.

\*\*\* The public panel ticket is valid only for gmec's panel V and includes SMM admission on the conference day.

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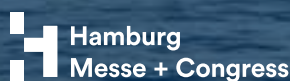
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