

ANNUAL REVIEW

2020/2021

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Marine insurance traces its roots back to ancient times. While voyages have evolved, what hasn't changed is the need to work with an insurer that wants to share your journey.

Our aim is to create long-term and stable relationships with companies who follow best risk management practices and have a proven safety track record. In return, we aim to be innovative and flexible, combining tailored insurance cover with rapid response and excellent customer service.

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Contents

At a Glance	6
Port & Shipping Statistics	8
Foreword	10
Members	17
How We Are Organised	18
Your Council	20
SSA Secretariat	22
Committee Activities Reports	24
General Affairs	26
Digital Transformation	36
International	40
Legal & Insurance	44
Marine Fuels	48
Offshore & Renewable Energy	52
Services	56
Shipping Finance Services	60
Technical	64
Young Executives Group	68
COVID-19 Initiatives	74

About SSA

The Singapore Shipping Association (SSA) represents a wide spectrum of shipping companies and other businesses allied to the shipping industry. It is a national trade association formed in 1985 to serve and promote the interests of its members and to enhance the competitiveness of Singapore as an International Maritime Centre.

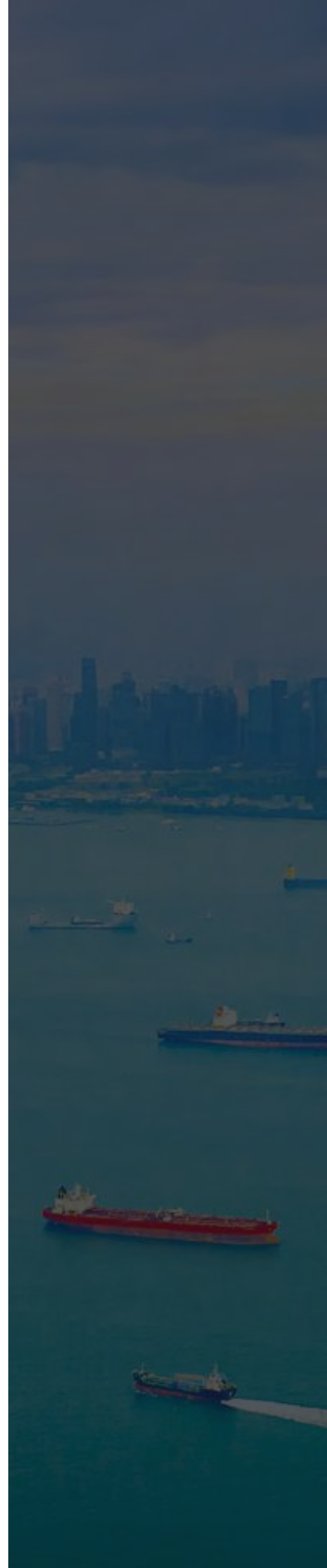
To achieve its objectives, SSA engages and collaborates with key stakeholders in the shipping industry and is a trusted advisor and partner to related government agencies. It is also actively involved in promoting the interests of shipping in Singapore and internationally.

Additionally, SSA co-operates with other regional and international shipping organisations to protect the marine environment and promote freedom and safety at sea.

As a not-for-profit organisation SSA strives on behalf of its members to give back generously to the community, engaging in numerous activities as part of its commitment to Corporate Social Responsibility.

Currently, SSA represents over 470 member-companies; comprising shipowners and operators, shipmanagers, ship agents and other ancillary companies such as shipbrokers, classification societies, marine insurers, bunker suppliers, maritime lawyers, and shipping bankers amongst others.

To enhance the vibrancy and further grow the maritime ecosystem, the Association has expanded its membership to include technology start-up companies.



Our Mission

AS AN ASSOCIATION

The Association protects and promotes the interests of its members. It undertakes activities on maritime related matters which are relevant and beneficial to its members.

SSA also strongly supports the skills upgrading of our members' employees by providing an array of industry-relevant training courses through its Executive Development Programme.

FOR THE INDUSTRY

The Association takes the view of the maritime industry as a whole. It plays its dual role in promoting the interests of shipping in Singapore and the rest of the world. To do so, the Association co-operates and actively engages other maritime organisations both locally and globally.

FOR SINGAPORE

The Association works closely with the Government of Singapore, as a trusted advisor, to protect the extensive maritime interests of Singapore, and to promote Singapore as a key global maritime node and International Maritime Centre. To achieve this, SSA members actively participate with their collective subject-matter expertise to drive key issues of concern relating to Singapore's maritime sector.

FOR INTERNATIONAL SHIPPING

The Association co-operates with governmental and non-governmental organisations to promote freedom of navigation and safety at sea and to protect the marine environment.

"The SSA plays its dual role in promoting the interests of shipping in Singapore and the rest of the world."

At a Glance

Despite the challenging year, SSA has achieved significant successes.

470+
SSA MEMBERS



13
SSA SECRETARIAT
STAFF

1200+
SSA YEG GROUP



2959
TOTAL EXECUTIVE
DEVELOPMENT PROGRAMME
TRAINING HOURS

22
EDUCATIONAL TALKS,
SEMINAR AND
CONFERENCES



31
OPERATIONAL COMMITTEE
MEETINGS CONCLUDED

13500+

FOLLOWERS SSA
LINKEDIN PAGE



7

NETWORKING EVENTS AND
COMMUNITY OUTREACH
PROGRAMMES

13

COUNCIL MEMBERS



71K

SSA MARITIME ONE
SCHOLARSHIP AWARDED
TO STUDENTS

218

MARITIME EXECUTIVES
TRAINED



305

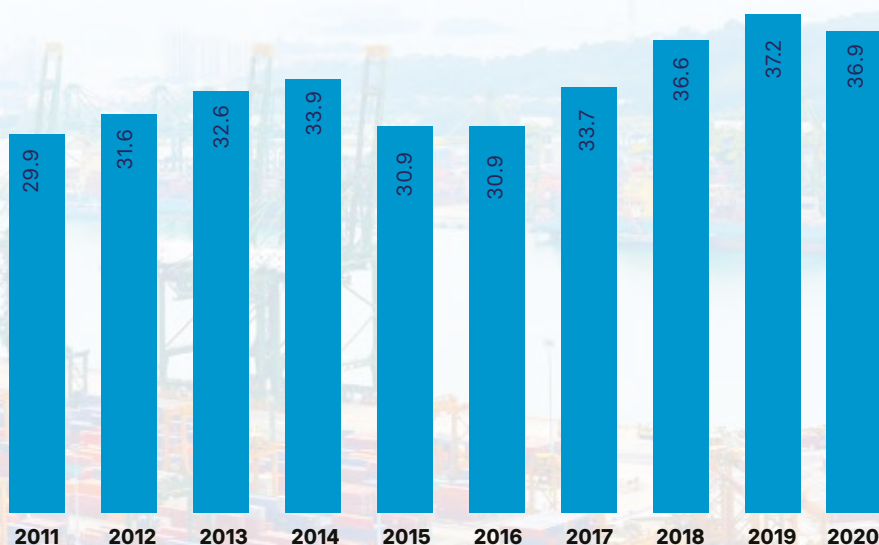
OPERATIONAL COMMITTEE
MEMBERS CONTRIBUTING
INDUSTRY EXPERTISE TO
ADDRESS KEY ISSUES OF
CONCERN TO SINGAPORE'S
MARITIME SECTOR

Port & Shipping Statistics

BUNKER SALES (IN MILLIONS OF TONNES)

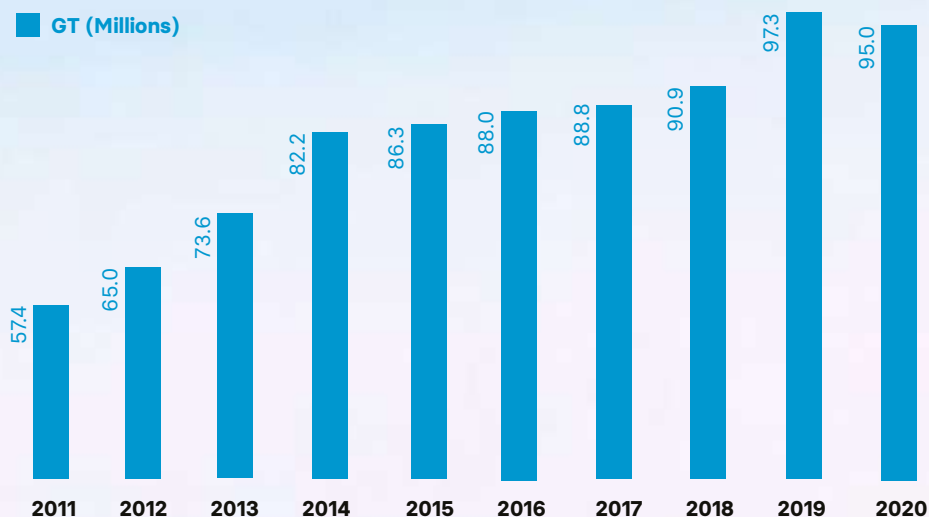
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
43.2	42.7	42.7	42.4	45.2	48.6	50.6	49.8	47.5	49.8

TOTAL CONTAINER THROUGHPUT (IN MILLIONS OF TEUS)



SINGAPORE REGISTRY OF SHIPS (AS AT END OF THE PERIOD)

■ GT (Millions)



TOTAL CARGO THROUGHPUT (IN MILLIONS OF TONNES)





FOREWORD

MS. CAROLINE YANG
SSA PRESIDENT



Words from our President



With ships carrying over 90% of all goods, maritime transport is an essential but vulnerable component of the global economy – this means that, as a global hub port and leading International Maritime Centre, Singapore is particularly vulnerable to disruptions to the global economy.

Global maritime trade plunged by over 4% in 2020 due to the unprecedented disruption caused by COVID-19, and while international sea trade volumes have slowly but steadily shown signs of recovery, starting from the second half of 2020, we are still vulnerable to new waves that might further disrupt supply chains and economies, resulting in a steeper decline.

Nonetheless, we can expect maritime trade growth to return to a positive territory and expand by 4.8% in 2021, assuming world economic output recovers. We must, however, brace for change and be well-prepared for a post-COVID-19 world – as a vital enabler of the smooth functioning of global supply chains, the shipping industry will be at the forefront of efforts towards a sustainable recovery, as we help adapt “just-in-time efficiency” logistics to “just-in-case” preparedness.

Ultimately, however, the global shipping industry will always be vulnerable to surprise demand swings and supply shocks, which by their very nature are unpredictable. Whether it is a carrier bankruptcy or disruptive weather events or the accidental blockage of a key maritime chokepoint, these events are beyond our control.

What is in our control, however, is what your Association has done to ensure that Singapore's shipping industry can continue to serve as a leading contributor to Singapore's economy.

Whilst we have traditionally focused on our ships, we must remember that our ships are useless without crews to man them, and last year, as country after country went into COVID-19 lockdowns, our seafarers were faced with an unprecedented humanitarian crisis, with hundreds of thousands of seafarers either trapped aboard their ships for months on end, or trapped without employment at home.

Members may recall that at our last AGM in 2020, it was mentioned that SSA spearheaded the development and publication of the Singapore Crew Change guidebook (SGCCG), which was hailed by IMO as an exemplary document to address the crew change crisis. We are pleased that the SGCCG enabled international shipping to continue to call at the Port of Singapore. We did not stop there, and we continued to reflect on other ways SSA can contribute beyond our shores to keep the global trade running.

As it became evident that there was no respite from COVID-19, the crew change issue became a humanitarian crisis for our seafarers.

It was your Association's efforts to urgently address this crisis that led to one of the defining events of 2020, and one of which I am extremely proud – the creation of the Singapore Shipping Tripartite Alliance Resilience (SG-STAR) Fund, the brainchild of MPA Chief Executive Ms Quah

Ley Hoon, which your Association embraced without hesitation.

As you may be aware, the SG-STAR Fund is the first global tripartite initiative bringing together like-minded international partners from the industry, unions and government to facilitate safe crew changes, and was initially focused on the disbursement of S\$1 million made up from contributions by your Association, the Maritime & Port Authority of Singapore, the Singapore Maritime Officers' Union and the Singapore Organisation of Seamen to support initiatives in countries where seafarers come from.

As the year progressed, the SG-STAR Fund was joined with support from more stakeholders, including the International Transport Workers' Federation (ITF) and the International Maritime Employers' Council (IMEC), which jointly contributed US\$500,000, as well as the International Chamber of Shipping, along with other international organisations such as the Global Maritime Forum Maritime Industry Crew Change Taskforce, INTERTANKO, Norwegian Shipowners' Association, and World Shipping Council, as well as seven port authorities from Abu Dhabi, Antwerp, Barcelona, Hamburg, Rotterdam, Sines, and Vancouver.

In particular, I am especially proud of the CrewSafe audit programme, which the SG-STAR Fund Taskforce, led by your Association with members from the MPA, SMOU and SOS, developed based on our own domestic crew change model, to establish safe and scalable corridors for crew change by ensuring quality checks on quarantine, medical and swabbing facilities in crew-supplying countries.

In addition to Singapore's crew change model, your Association also took the lead in ensuring that our maritime personnel were recognised as essential frontline workers who were eligible to receive the first wave of COVID-19 vaccinations, which saw over





10,000 frontline maritime workers receive their vaccinations in January this year.

These successes were only possible because, over the years, your Association has developed close working relationships with shore-based regulators, service providers and industry partners to ensure that we safeguard and enhance maritime Singapore.

Given the global nature of our industry, we have also continued to build our relationships with the Asian Shipowners' Association, the International Chamber of Shipping, where SSA continues to be a very active member, and the World Shipping Council. We also continue to enjoy excellent working relationships with other international organisations such as BIMCO, IBIA, IMCA and INTERTANKO, all of whom have a presence in Singapore.

Closer to home, we continue to work closely with the MPA, the Singapore Maritime Foundation (SMF) and other stakeholders to look at ways to further enhance and entrench Singapore's position as a leading International Maritime Centre by increasing productivity, streamlining

operational efficiencies and generally ensuring that Singapore continues to be an attractive and efficient place to do business.

SSA has also been especially involved in the fields of ship finance and marine insurance, which we had previously identified as being critical to the success of Singapore as an IMC.

The Singapore War Risk Mutual continues to grow from strength to strength, with over 800 ships signed, even as we explore ways to further enhance the SWRM through digitalisation.

Meanwhile, while the Maritime Capital Forum was deferred due to COVID-19, we have continued to engage and educate our members on shipping finance through a series of well-attended webinars.

This increasing use of digital technology has allowed us to stay connected over the past year, and it can also greatly enhance the performance and resilience of maritime supply chains.

SSA has actively sought out opportunities

to leverage transformative technologies that will open up new opportunities for the maritime industry, and COVID-19 has only highlighted the importance of leveraging technology. While this is still very much a work in progress, ultimately, our goal is to make use of emerging and disruptive technologies such as artificial intelligence, advanced analytics, the internet of things (IoT), fifth-generation technology (5G), autonomous systems, digital twinning, and distributed ledger solutions, as well as other smart technology-based methods to improve performance, economic competitiveness, and environmental sustainability.

As we move forward, your Association will also be focusing more on environmental sustainability. The IMO has put ambitious goals in place to reduce total greenhouse gas emissions by at least 50 percent by 2050 compared with 2008 levels and become less dependent on traditional energy sources. Even as we continue our efforts to make sure that your views are heard at the IMO, we

will also be working closely with MPA and other stakeholders to position Singapore as a leader in efforts to decarbonise the maritime sector, the maritime decarbonisation blueprint 2050 and other initiatives.

In support of this and other goals, SSA will continue to leverage the richness and diversity of our membership in particular, and Singapore's maritime cluster in general, to create partnerships, generate synergies and nurture Singapore as a Global Maritime Hub for Connectivity, Innovation and Talent.

It has been said that change is the only constant, and your Association's mission will be to assist our members wherever possible in managing and adapting to these changes - our industry is a cyclical one, and whilst we are facing unprecedented challenges, I am confident that we will be ready to seize the opportunities that await us as we navigate the future together.





Any project, anywhere, making
what seems impossible, possible.

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MEMBERS

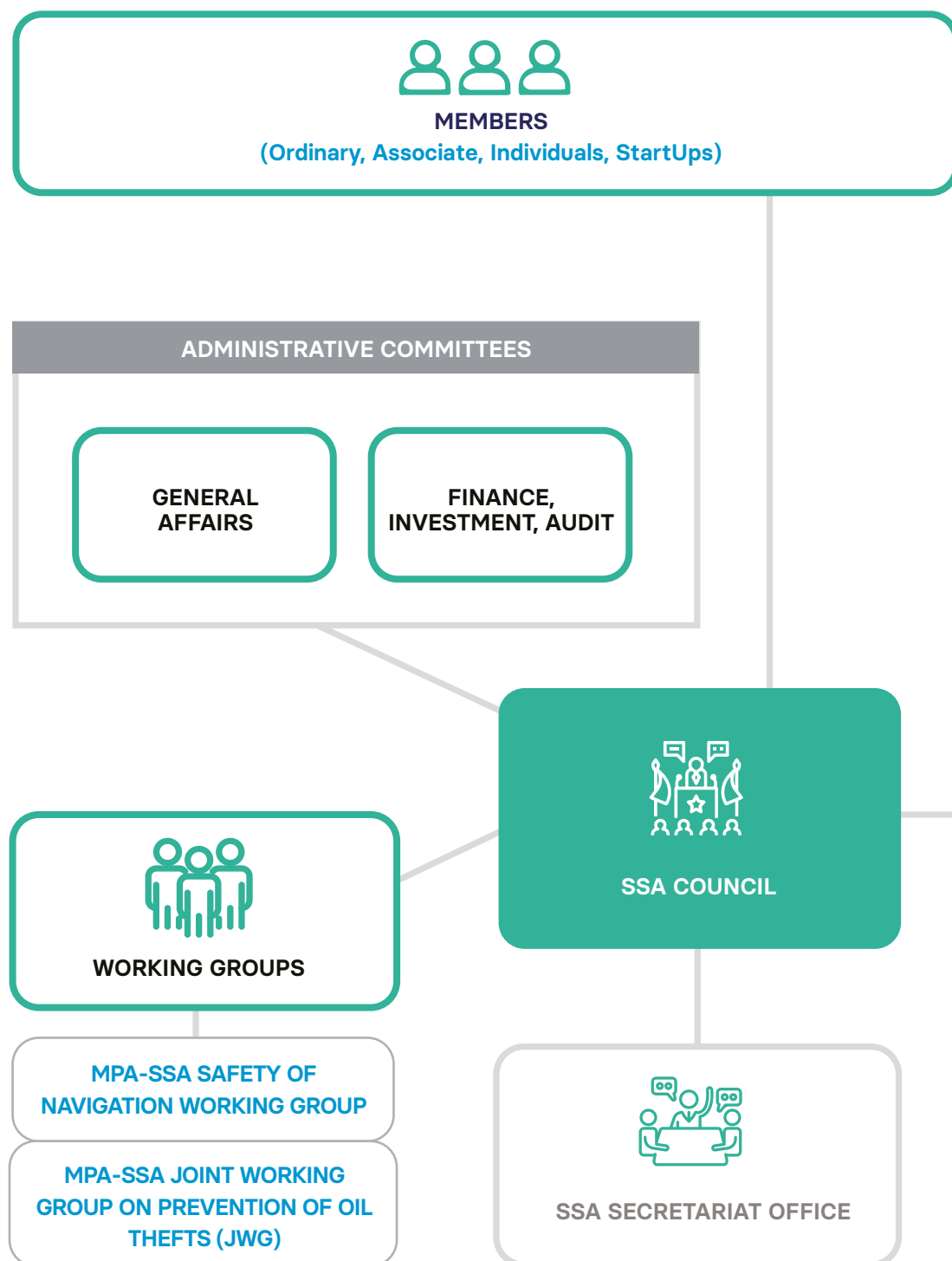
Our members are at the very heart of the SSA. As a membership body, the Association relies on the commitment and support of its members to steer initiatives that serve and promote the interests of its members, to enhance the vibrancy of the Singapore shipping community and propel the competitiveness of Singapore as an International Maritime Centre.

As of 1 March 2020, the Membership of the SSA stood at about 470 members, of whom 259 are Ordinary Members, 201 are Associate Members, 3 are Startup Members and 13 individual members.

The Association also has nine Honorary Members, namely Mr. SS Teo, Mr. Ong Kok Wah, Mr. Patrick Phoon, Mr. David Chin, Mrs. Josephine Teo, Mr. Lui Tuck Yew, Mrs. Lim Hwee Hwa, Mr. Yeo Cheow Tong and Dr. Lam Pin Min.

The SSA is a growing, vibrant and relevant association which serves and anticipates the needs of its members. Since the last AGM in June 2020, the Association has welcomed 27 new members.

How we are organised



OPERATIONAL COMMITTEES



**LEGAL &
INSURANCE**



**OFFSHORE &
RENEWABLE ENERGY**



**SHIPPING FINANCE
SERVICES**



**DIGITAL
TRANSFORMATION**



MARINE FUELS



INTERNATIONAL

SUB-COMMITTEE

Cybersecurity

SUB-COMMITTEES

Mass Flow Meter

Alternative Marine
Fuels

SUB-COMMITTEE

Tax



TECHNICAL



SERVICES



**YOUNG EXECUTIVES
GROUP**

SUB-COMMITTEES

Maritime Safety
& Security

Operations Training
& Manning

SUB-COMMITTEES

Community

Education

Networking

Social Media

**MPA/SSA
Operational Matters**



Your Council



MS CAROLINE YANG
President
Singapore Shipping
Association

Chief Executive
Hong Lam Marine Pte Ltd



MR RENE PIIL PEDERSEN
Vice President/
Honorary Secretary
Singapore Shipping Association

Managing Director
A. P. Moller Singapore Pte Ltd



MS KATIE MEN
Vice President/Treasurer
Singapore Shipping
Association

Managing Director
Iseaco Investment Pte Ltd



CAPT ARVIND M.
KARANDIKAR
SSA Council Member

Director Marine Assurance
Executive Ship Management Group



MR COLIN DE SOUZA
Vice Chairman
International Committee

Regional Head South Asia
Ocean Network Express Pte Ltd



MR BOEY YIN CHONG
Chairman
Shipping Finance Services
Committee

Managing Director & Global Head
Shipping, Aviation & Transportation
DBS Bank Ltd



MRS GINA LEE-WAN
Chairman
Legal and Insurance Committee

Partner
Allen & Gledhill LLP



MR KOH YONG PING
Chairman
Technical Committee

Chief Executive, Marine & Offshore
Bureau Veritas Marine (Singapore) Pte Ltd



CAPT MIKE MEADE
Chairman
Offshore & Renewable Energy Committee

Chief Executive Officer
M3 Marine Group Pte Ltd



MR NG EE PING
Chairman
YEG Committee

Director
Kontiki Shipping Pte Ltd



MR NITIN MATHUR
Chairman
Services Committee

Managing Director
Wallem Shipping (S) Pte Ltd



MR TEO TENG SENG
Chairman
Digital Transformation Committee (from October 2020)

Executive Director
Pacific International Lines (Pte) Ltd



MR ZHU JIANDONG
Vice Chairman
International Committee

President
Cosco Shipping (Singapore) Pte Ltd



MR STEEN BRODGAARD LUND
Chairman
Digital Transformation Committee (July 2019-Oct 2020)

CCO and Group CDO
Executive Ship Management Pte Ltd



MR JEREMY NIXON
Chairman
International Committee (June 2019 – June 2020)

Chief Executive Officer
Ocean Network Express Pte Ltd

A portrait of Mr. Michael Phoon, a man with short dark hair, wearing a dark suit, white shirt, and gold tie. He is standing with his hands clasped in front of him. The background is a blurred image of a busy port with many yellow cranes and colorful shipping containers. A blue horizontal band is positioned behind the text.

SSA SECRETARIAT

MR. MICHAEL PHOON

Secretariat PR & Communications



CLAIRE LIM
Head of
Communications



CHERYL TAN
Communications
Executive



SHAWN CHEW
Communications
Executive

Administrative



GENA LIM
Executive Secretary



SIEW POH HONG
IT Officer

Accounts & Finance



LIM BEE LIAN
Accounts Manager



MARISSA ENRIQUEZ
Accounts &
Admin Executive

Executive Director



MICHAEL PHOON
Executive Director

Technical & Training



HANIZA BTE MUSTAFFA
Technical Manager



KUNASEKARAN
Admin/Training Executive

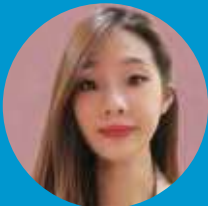
Committee Operations & Support



SITI NORIANI ZAINI
Assistant Manager



QUEK TSUI CHIANG
Assistant Manager



WONG SHU YI
Executive Officer



COMMITTEE ACTIVITIES REPORTS

26

General Affairs

36

Digital Transformation

40

International

44

Legal & Insurance

48

Marine Fuels

52

Offshore & Renewable Energy

56

Services

60

Shipping Finance Services

64

Technical

68

Young Executives Group



GENERAL AF

MR. RENE PIIL PEDERSEN

A man with short blonde hair and glasses, wearing a dark pinstripe suit, a white shirt, and a red patterned tie, stands with his arms crossed. He is wearing a name tag on his left lapel and a watch on his left wrist. The background is a composite image showing a dense city skyline with various skyscrapers and a port area with large yellow and green container cranes and stacks of colorful shipping containers. The sky is blue with some clouds.

FAIRS

General Affairs Committee

The General Affairs Committee is headed by Vice President and Honorary Secretary, Mr Rene Piil Pedersen and supported by Vice President and Honorary Treasurer, Ms Katie Men. All matters relating to the Association's public relations, collaterals, social activities and the Secretariat's administrative affairs comes under his purview.

Membership

As of 1 March 2020, the Membership of the SSA stood at about 470 members, of whom 259 are Ordinary Members, 201 are Associate Members, 3 are Startup Members and 13 individual members. The Association also has nine Honorary Members, namely Dr. Lam Pin Min, Mr. SS Teo, Mr. Ong Kok Wah, Mr. Patrick Phoon, Mr. David Chin, Mrs. Josephine Teo, Mr. Lui Tuck Yew, Mrs. Lim Hwee Hwa and Mr. Yeo Cheow Tong.

SSA Secretariat

The SSA Secretariat is headed by Executive Director, Mr Michael Phoon, supported by a staff strength of 13, delivering a broad range of administrative and support services to the member body. The staff also provides a range of secretarial support to the Federation of ASEAN Shipowner's Association and the Asian Shipowners' Association (ASA).

Communications

The SSA Secretariat Communications team is responsible for the Association's branding and corporate relations. The team endeavours to engage members through various communications channels such as the emails, circulars and digital avenues such as the SSA website, e-newsletters and social media platforms.

"The SSA LinkedIn page currently has more than 13,500 followers. Our posts on crew change, industry developments on digitalisation, decarbonization, cybersecurity and other pertinent topics have helped us gain traction beyond our membership base."



Over the past year the team has striven to keep members abreast of the industry updates with thought provoking and insightful articles in the Association's quarterly publication - "WAVES". Pertinent topics covered included the COVID-19 pandemic and the impact to shipping, crew change challenges, technology, digitalisation, sustainability and security, including cybersecurity impacting the maritime sector. "WAVES" is available electronically on www.ssa.org.sg and printed copies are sent to all SSA members and maritime stakeholders.

Virtual Annual General Meeting, Talks and Webinars

Due to COVID-19 safe management measures disallowing large scale physical gatherings, the Association had to hold the 24th Annual General Meeting virtually – a first in SSA's history.

The SSA Secretariat team was also unable to organise the regular SSA cocktail receptions and, Annual Gala Dinner. To keep members engaged and connected with the larger maritime community on the latest maritime industry trends

and news, the SSA Secretariat team organised various educational webinars and the innovative Tech Talk Thursdays, hosted on SSA's own YouTube channel.

With the re-opening of the Singapore economy permitting in-person seminars and conferences, the secretariat organised the much-awaited 2nd edition of SSA Tech & Demo Day in November 2020.

SSA 24th Annual General Meeting (AGM) – 1st Virtual AGM

SSA held its first virtual Annual General Meeting (AGM) on 30 June 2020 due to restrictions for large group face-to-face meetings amid the global pandemic. The respective reports and relevant documents, such as the meeting agenda, audited financial statement and annual reports of the respective committees, were sent electronically to members in advance.

This enabled members to review the information, forward any questions that they may have on the audited financial statements, and have queries answered ahead of the virtual meeting. This arrangement sufficiently addressed members'

queries and catered enough time to hear all key presentations without prolonging the need for members to stay online.

T3 Tech Talk Thursdays

SSA launched its first virtual broadcast series - Tech Talk Thursdays - focusing on technology and regulatory challenges that the maritime industry is facing. The topics for the episodes in the series are specially curated and they feature invited industry experts to share their experience and knowledge, helping members keep up discussions on issues and technological solutions in the lead-up to the next SSA Tech & Demo Day.

Catchup on past and upcoming episodes on the SSA website:

<https://www.ssa.org.sg/happenings/tech-talk-thursdays.html>



SSA Tech & Demo Day

SSA closely monitored the COVID-19 situation and was able to host a physical Tech and Demo Day on 24th November 2020. We could only allow 100 participants and had to adhere to the stringent safe management measures. SSA is very grateful to Singapore Tourism Board and Singapore Maritime

Foundation for providing their staff to assist with the Safe Measures and Social Distancing management at the event. We would also like to thank all speakers and our sponsors, WSG, Dialog and The Viswa Group for making the second edition of SSA Tech & Demo Day a success.

SSA Webinar Maritime Market Outlook

The COVID-19 pandemic and emergence of second and third waves in countries around the globe severely hampered many economies. While the year 2020 will end with negative financial growth, we can hope for a gradual recovery of the economy and financial market over the next couple of years. Members need to understand the evolving situation to overcome current challenges and prepare for long-term recovery.

SSA held the "Maritime Market Outlook" webinar hosted by SSA Councillor and Chairman of the SSA Shipping Finance Services Committee, Mr Boey Yin Chong. Members were given insights into the market outlook with the presentation by Mr Darren Liew, General Manager, Clarksons.

The session was followed with an interactive table discussion with industry leaders comprising





Ms Caroline Yang, President of SSA, Chief Executive of Hong Lam Marine Pte Ltd, Mr Jeremy Nixon CEO of Ocean Network Express, Captain Rajalingam Subramaniam, CEO and President of AET Tankers, Mr Darren Liew, General Manager of Clarksons and Ms Beng Tee Tan, Assistant Chief Executive (Development) of the MPA of Singapore. They all agreed that although the pandemic situation is uncertain, the maritime industry must press on through this pandemic and navigate the future together.

SSA and Classification Society Bureau Veritas - Maritime Dialogue Webinar: Restart Your Business After COVID-19

The COVID-19 global pandemic has caused concerns over virus transmission and lockdowns to contain the spread. As economies gradually open up, the maritime industry too is entering a new norm for their operations.

SSA jointly held a webinar with the Classification Society Bureau Veritas (BV) to delve into the health and safety measures to reboot and future proof organisational readiness amid the current landscape and post-COVID-19.

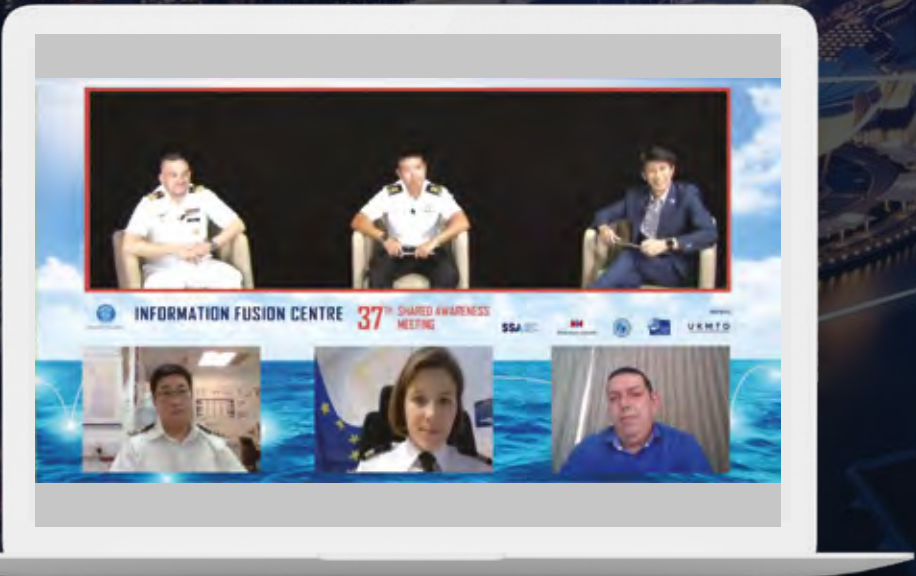
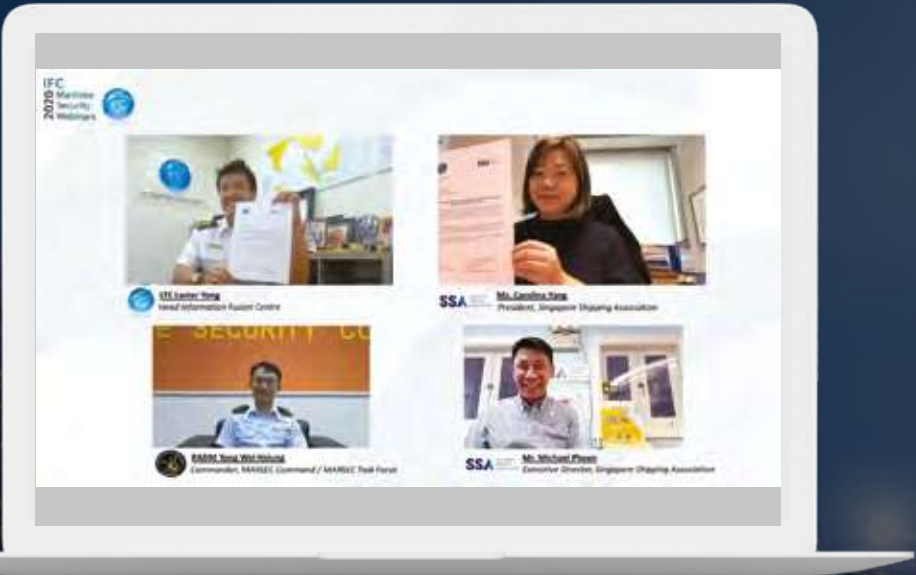
A panel of diverse maritime professionals also provided insights on managing crew wellness, tips on detecting the crew's mental health, and how employers can adopt safe practices in the workplace as companies restart their activities and business.

Strong relationships at home and overseas

SSA is widely recognized as a collective voice to represent the interests of its members and the Singapore shipping industry at the local, regional, and international levels.

Relations with Local Bodies

In its efforts to promote the interests of its members, and to enhance Singapore's competitiveness as an International Maritime Centre, the Association maintains strong working relationships with key government agencies such as the MPA of Singapore, the Singapore Customs, the Immigration and Checkpoints Authority, the Republic of Singapore Navy, and the Police Coast Guard.





Relations with Foreign Bodies

In addition, SSA is also an active participant and member in regional and international fora. The Association's immediate past President, Mr Esben Poulson is the Chairman of ICS while current President, Ms Caroline Yang is a board member. Regionally, SSA is a member of the Federation of ASEAN Shipowners' Associations (FASA) and the International Chamber of Shipping (ICS). Collectively, FASA is a member of the Asian Shipowners' Association (ASA).

SSA also holds executive positions at the various international maritime forums in which it participated.

SSA Vice-President and Honorary Treasurer, Ms Katie Men is the appointed Treasurer at ASA. The SSA also leads the ASA Safe Navigation and Environment committee (SNEC) that addresses issues relating to Maritime Security & Safety and Marine Environmental matters. This strengthens SSA's collaboration at the Tripartite Technical Experts Group (TTEG), and the Malacca Straits Council.

SSA's Executive Director, Mr Michael Phoon, is the

Secretary General for FASA, which represents the ASEAN region's shipping interests at the ASEAN Maritime Transport Working Group established by the ASEAN Secretariat. Through FASA, SSA has developed strong and credible working relationships within the South East Asia regional maritime governmental agencies including the ASEAN Secretariat.

SSA continues to nurture and enhance good working relationships with various international organisations such as World Shipping Council (WSC) the International Association of Independent Tanker Owners (INTERTANKO), the Baltic and International Maritime Council (BIMCO), the International Association of Dry Cargo Shipowners (INTERCARGO), the Oil Companies International Marine Forum (OCIMF), the International Group (IG) of P&I Clubs, the International Association of Classification Societies (IACS) and World Shipping Council. The Association believes in gender diversity representation in the maritime sector and is a keen supporter of the Women's International Shipping & Trading Association (WISTA).

As part of its continuous endeavours to help safeguard ships and seafarers, SSA also maintains

GENERAL AFFAIRS

strong working relationships with the Regional Cooperation Agreement on Combating Piracy and Armed Robbery against Ships in Asia (ReCAAP), and the multi-national naval and maritime security agency - Information Fusion Centre (IFC) - based in Singapore.

The Association is proud that through such efforts, Mr Michael Phoon has been appointed as the first Shipping Industry Advisor at the Information Fusion Centre (IFC) on November 2020. With his deep domain knowledge and a clear understanding of the maritime security concerns faced by the shipping industry, he can be expected to play an important role in facilitating info-sharing and promoting an even stronger partnership between the shipping industry and the IFC to enhance maritime security, as well as to further the engagement and collaboration of SSA and its counterparts in the Asian region with IFC, for closer and better ties to keep surrounding seas safe and open for international shipping.

With his extensive industry knowledge and understanding of regional maritime security issues, Mr Michael Phoon was invited to speak at ReCAAP's 15th Anniversary Symposium on the topic of "ReCAAP & the Fight against Piracy and Sea Robbery: An Industry's Perspective" in his capacity as the Secretary-General of FASA.

Maritime Talent Development

To help attract and develop young talents into the maritime sector, the SSA annually provides bond-free scholarships to meritorious students under the MaritimeONE Scholarship Programme.

The MaritimeONE scholarships administered by the Singapore Maritime Foundation aim to develop and strengthen the talent pipeline by helping deserving students requiring financial assistance to pursue their maritime academic and career vision.

Between June to July 2020, SSA Council Members, Ms Caroline Yang, Ms Katie Men, Captain Mike Meade, Mrs Gina Lee-Wan, Mr Nitin Mathur, Mr TS Teo and Mr Ng Ee Ping set aside their valuable time to interview students from Singapore Management

University, Nanyang Technological University & Singapore Poly for these scholarships.

In total, the SSA awarded a total of seven scholarships, one of which was given out under the auspices of SSA Young Executive Group (YEG).





were carefully selected from the YEG cohort as they represent the Singapore from the shipping sector and from the maritime law practice sector. The YEG is proud that IMO has approved their nominations, as they both personify the emergence of the talent that Singapore is working towards in maritime talent development.

Akanksha Batura Pai



Jonathan Choo



The SSA continues to set aside Scholarship funds to support the MaritimeOne scholarship program.

Corporate Social Responsibility

At the academia level, SSA continues to provide industry thought leadership in shaping academic course curriculum towards industry relevancy. In addition, the SSA continues to provide annual internship within the Secretariat office to help nurture interests in the maritime sector.

Annually, the SSA members organise various community initiatives for the SSA to give back to the society. With the global pandemic prohibiting large group in-person activities, the YEG group undertook several innovative activities over the last year such as virtual yoga and Zumba sessions to raise funds for non-profit organisations such as the "Transient Workers Count Too", "HealthServ" and "Willing Hearts" to help improve the lives of low-wage migrant workers and disadvantaged Singaporeans.

Significantly for the SSA Young Executives Group (YEG), we are pleased to have announced that we successfully nominated 2 representatives within the ranks of the young executives towards IMO international maritime ambassadors' program. These 2 young executives, Ms Akanksha Batura Pai, Head of Strategy & Growth at Sinoda Shipping Agency Pte Ltd and Mr Jonathan Choo, Partner at Allen & Gledhill LLP



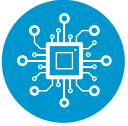
DIGITAL TRANSFORM

MR. TEO TENG SENG

A man with short dark hair, smiling, wearing a dark blue suit, white shirt, and patterned tie. He is standing in front of a dark blue background featuring an industrial scene with offshore oil rigs and a port with shipping containers. A network of white lines and dots is overlaid on the background. The word 'INFORMATION' is written in large, white, outlined capital letters across the middle of the image.

INFORMATION

Digital Transformation Committee



The Digital Transformation Committee is chaired by Councillor Mr. Teo Teng Seng, succeeding Mr. Steen Lund who stepped down after more than a year. This committee oversees one Sub-Committee - Cyber Security.

Being one of the largest and newest committees in the SSA, the Digital Transformation Committee (DTC) focuses on helping fellow members by encouraging the use of digital solutions to chart their way forward in this advancing digital age and showcasing the various accelerator programmes.

The DTC aims to provide a coherent voice for industry on policy, legislative and technical issues related to digitalisation and cybersecurity, with a particular emphasis on cybersecurity as applied to shipboard systems and the ship/shore interface. The DTC also strives to be an industry community in which members can share intelligence on best practices, threat trends, and development, on top of providing members with insights into market digital developments.

Over the years, DTC has made efforts to be more engaging, thinking of ways to encourage members and SMEs to take on the Maritime Digitalization Playbook (MDP), which was co-developed by the MPA, SSA, and IMDA, and utilize it as a framework. In the upcoming months, the committee has charted plans to boost the engagement of MDP and prioritise small-medium size enterprises' (SMEs') digitalisation, which will be carried out in phases.

SMEs Digitalisation Programme

Under the SMEs Digitalisation Programme, the committee has set up a workgroup to provide advice and guidance on the setting up and execution of the different phases - Recruitment, Acquisition, and Implementation. The programme is designed to be flexible to offer varying opportunities and will evolve to meet the short term and long term challenges.

The programme, which started in early April 2021, is on-going with involvement from 13 member companies and the committee hopes to showcase success stories by the end of 2021.

DIGITAL Shipping & ECO-System

The Committee also made efforts to promote digitalization by inviting organisations such as Symphony Creative, Workato e.g. to help members be up-to-date on what is happening in the digitalisation arena.

The Committee also organised visits to the Smart Urban Co-Innovation Lab and Hewlett Packard (HP) Customer Welcome Centre (CWC) as well as also the Smart Manufacturing Application and Research Centre (SMARC) for the members.

Cybersecurity Sub-Committee 2020-2021

The DTC has a Cybersecurity Sub-Committee, which is currently chaired by Mr. Leslie Yee Wai Mun.

The Cybersecurity Sub-Committee helps companies to better understand the importance of cybersecurity and ensures that companies are prepared by identifying the gaps in their cybersecurity plans. This includes crafting a survey for company representatives to provide updates on their cybersecurity readiness prior to the IMO 2021 Cybersecurity regulation implementation back in 2020 and producing a report to address the Cybersecurity gaps found in those participating organisations.

One of the deliverables was the development of a 10-point checklist, which helps interested companies to have a gauge of their company standing in terms

of cybersecurity. Another outcome was a playbook titled "Sharing of Detect, Respond and Recovery Playbook for Vessels".

The work of the sub-committee also involved preparing and hosting cybersecurity webinars such as:

- Taking steps to protect your assets and be Cyber Ready with PWC and Inmarsat on the 18th of Nov 2020
- Maritime Cyber Challenges, Risks and Best Practices with Risk Intelligence, Maritime Executive Magazine, Nettitude – Lloyd's Register, and Athena Dynamics PL on the 24th of February 2021.

The Cybersecurity Sub-Committee also invited cyber experts to share their solutions to help companies to comply beyond the IMO 2021 regulations. They include Maritime Cyber Emergency Response Team Wissen International, CyberOwl's Oceanshield, and Marlink Telemar.

A series of training is being planned and will be carried out throughout 2021 to help members be more aware of and ensure Cyber Security resilience moving ahead.

Smart Urban Co-Innovation Lab





INTERNATIO

MR. COLIN DE SOUZA AND
MR. ZHU JIANDONG

ONAL



International Committee



Co-chaired by Councillors Mr. Colin de Souza from Ocean Network Express Pte Ltd and Mr. Zhu Jiandong from Cosco Shipping (Singapore) Pte Ltd, the International Committee focuses on trade connectivity and the international competitiveness of the Singapore maritime cluster.

The International Committee also oversees the work of the Tax Sub-Committee, which monitors accounting and taxation trends and developments at home and abroad to ensure that Singapore remains relevant as an International Maritime Centre.

During the period in review, the International Committee focused on the following issues:

- **Reduction of GHG Emissions from Shipping**

The Committee worked closely with stakeholders to promote the adoption of an IMO-supervised, industry-led and financed programme, to be conducted by an International Maritime Research & Development Board (IMRB) to accelerate the introduction of zero-emission technologies for maritime transport.

With USD 5 billion in core funding over a 10-year period, generated from industry contributions linked to fuel consumption, the IMRB will create the technological and investment certainty to spur innovators, engineers, energy companies, shipyards, financial institutions, and engine manufacturers to accelerate the R&D effort required to decarbonise shipping.

In this regard, the Committee welcomed the submission by IMO member states (Denmark, Georgia, Greece, Japan, Liberia, Malta, Nigeria, Palau, Singapore and Switzerland) and industry groups (ICS, BIMCO, INTERTANKO,

CLIA, ITNERCARGO, IPTA, IMCA, INTERFERRY and WSC) to IMO supporting the development of the IMRB and its attendant IMO Maritime Research Fund (IMRF).

- **Block Exemption Order (BEO) for Liner Shipping**

Singapore's BEO exempts liner shipping agreements from the prohibition against anti-competitive agreements under section 34 of the Competition Act (Cap 50B), provided certain conditions and obligations are fulfilled. These include non-mandatory adherence to tariffs, and allowing member liner operators to enter into individual confidential contracts and offer their own service arrangements.

The BEO, which was first issued in 2006 and extended in 2010 and 2015, was due to expire on 31 December 2020 – to this end, the Committee solicited feedback from the Association's members and prepared an industry position in support of the renewal of the BEO as it sought to engage the Competition and Consumer Commission of Singapore (CCCS).

While the BEO was renewed for a period of 1 year till 31 December 2021, the Committee understood that renewed consultations will take place as CCCS seeks to understand how global trade patterns might have adapted and changed as a result of various COVID-19 lockdowns.

In light of the current slowdown in global trade, the Committee will also be developing positions on improving trade connectivity, both in ASEAN and on a global scale, and measures to facilitate the growth of global trade.

In addition, the Committee fully endorsed the recommendations of the Tax Sub-Committee on issues relating to Singapore's Budget, and supported the initiatives of the Sub-Committee to engage MPA and other stakeholders to help ensure that industry's specific needs and requirements are addressed.

Tax Sub-Committee

In March 2019, the Organization for Economic Co-operation and Development (OECD) launched a major public consultation on the development of a multilateral digital taxation framework for global application (i.e. not just by OECD nations).

The main focus of the initiative was to reach a global agreement for taxing highly digitalised multinational companies, such as Amazon, Apple and Google. However, the scope of the initiative was significantly expanded to potentially cover all internationally operating businesses. This includes the shipping industry, where it has previously always been accepted practice that shipping companies engaged in international trade should only be taxed in their home state, as enshrined in the 'shipping article' (Article 8) of the existing OECD and United Nations Model Tax Conventions.

In this regard, the Tax Sub-Committee, chaired by Ms. Elaine Ng, PricewaterhouseCoopers Singapore Pte Ltd has actively contributed to global industry efforts to make representations to the Organisation for Economic Co-Operation and Development (OECD) regarding issues that may arise from the proposed implementation of the OECD's Digital Tax initiatives whilst soliciting support for said representations from MPA and other regulators.

"Maritime trade growth is expected to return to a positive outlook in 2021, but we must be on guard against the threat of further disruptions posed by new waves of the pandemic which has sent shockwaves through supply chains, shipping networks and ports.

Global maritime trade plunged by 4.1% in 2020 due to the unprecedented disruptions caused by COVID-19 – we must continue to promote physical, electronic and financial connectivity as we lead the path towards a new normal."

The background of the entire page is a photograph of a modern office interior. Large windows in the background offer a view of a dense city skyline with various skyscrapers. In the foreground, two black leather office chairs with five-wheeled bases are positioned on a dark floor. The image is overlaid with a semi-transparent blue horizontal band and a series of white diagonal lines in the bottom-left corner.

LEGAL & INS

MRS. GINA LEE-WAN

A woman with short, wavy blonde hair is smiling at the camera. She is wearing a black blazer over a dark top. Her hands are clasped in front of her. She is wearing a necklace with a small pendant, a watch on her left wrist, and a ring on her left hand. The background is a blurred city skyline with a large window frame visible on the right.

SURANCE

Legal & Insurance Committee



The Legal & Insurance Committee, chaired by Councillor Mrs. Gina Lee-Wan of Allen and Gledhill LLP, examined the legal aspects of policies and issues affecting the shipping community as well as the developments in the maritime insurance sphere.

Provided below is a summary of the main issues that have been addressed by the Committee during the period under review:

- **Amendments to the Electronic Transactions Act (ETA)**

The Committee welcomes the expedition and timely passing of the Electronic Transactions (Amendment) Bill which enables the creation and use of electronic transferable records ("ETRs") and expands the scope of electronic instruments which afforded legal recognition under the Electronic Transactions Act (Chapter 88) ("ETA") to various trade documents including negotiable instruments, bills of exchange, promissory notes, bills of lading and other transferable documents ("Transferable Instruments").

The passing of the Bill will allow cross-border trade documents with international ports to be digitalised, thereby reducing the time and money required to process a

huge amount of paperwork. The Bill will also align Singapore with standards from the United Nations Commission on International Trade Law (UNCITRAL), which spells out an internationally harmonised legal framework for electronic records.

The changes to the law mean that Singapore is one of the first countries in the world to adopt universally recognised electronic transferable records.

- **COVID-19 Service & Arrest Procedures**

In light of the COVID-19 pandemic and especially given the spate of community infections involving personnel going onboard vessels, it was noted that the Maritime Law Association of Singapore ("MLAS") had written to the Supreme Court expressing their concern with the present requirement for service i.e. service of the in rem writ and warrant of arrest to be effected by physically attending onboard the vessel. It was therefore

proposed that one of the possible alternatives being considered is for service of the in rem writs and warrants of arrest to be effected by service of the same on the ship's local agent who is stated in the Marinet search.

The SSA Legal & Insurance Committee, while supportive of the proposal, emphasised that there has to be a balance between the safety of the person carrying out the service of the writ and legal considerations as to whether that is good service and whether the ship owner is aware when an arrest has been effected. In addition, the Committee also highlighted that an agent is not necessarily a representative or appointed by the Owners – an agent may be a charterer's agent and may not in any way be speaking with the Owners.

Taking into consideration the feedback from the Committee, the Rules of Court (Amendment) Rules 2021 and the Supreme Court Practice Direction's amendments came into operation with effect on 22 January 2021.

“Despite the pandemic, the Committee had been able to provide the professional and robust feedback necessary to implement actions swiftly and pragmatically, in close consultation with all the relevant agencies and stakeholders in ensuring that legislation and amendments come into force in a timely manner. The Committee is heartened to see that our engagements with the authorities have been mutually gainful and welcomes the latest amendments to the Electronic Transactions Act (ETA) to increase the legality and acceptance of eBLs for shipping transactions.”





MARINE FUEL

CAPT. RAHUL CHOUDHURI

ELS



Marine Fuels Committee



Chaired by Capt. Rahul Choudhuri from Veritas Petroleum Services, the Marine Fuels Committee aims to address bunkering operations in the Port of Singapore.

A year after the coming into force of the IMO 2020 0.5% Sulphur Limit the Committee continues to work on addressing fuel quality issues in the port of Singapore in an effort to raise the bar, including exploring the possibility of mandating the use of the latest ISO Standards (ISO8217:2017) for bunker delivery in Singapore.

During the COVID-19 pandemic, the Committee worked closely with MPA on the implementation of interim enhanced measures for the bunkering and harbour craft industry which seek to protect the crew and shore-based personnel.

Capt. Rahul Choudhuri also oversees two other Sub-Committees namely the Mass Flow Meter Sub-Committee and the Alternative Marine Fuels Sub-Committee.

- Bunkering in Singapore**

The Association continues to work closely with MPA to further develop and enhance the bunkering industry in the Port of Singapore and the number of bunker disputes was well under control last year.

Summary of Bunker Operations in Singapore

	2016	2017	2018	2019	2020
No. of quantity disputes	19	41	29	37	29
No. of quality disputes	1	2	7	2	1
Total no. of disputes	20	43	36	39	30
No. of vessels bunkered in the Port*	42,380	40,736	39,471	40,909	40,585
No. of disputes as a % of vessels bunkered	0.04%	0.011%	0.09%	0.09%	0.07%

**MPA port statistics*

Mass Flow Meter Sub-Committee

Chaired by Capt. Samir Fernandez, A P Moller Maersk, the Sub-Committee looks into the operational and training issues relating to the use of mass flow meters for fuel oil delivery in the Port of Singapore.

The Sub-Committee welcomed the introduction of the Master Meter for re-verification which provided a more cost-effective and time-efficient alternative for the industry. The Sub-Committee will continue to work together with MPA and other relevant stakeholders to further streamline the process and improve the efficiency of bunkering in Singapore port.

Alternative Marine Fuels Sub-Committee

In view of the growing interest and relevance on alternative fuels, and to support the changing landscape of Singapore as a bunkering hub, the Committee formed the Alternative Marine Fuels Sub-Committee.

Chaired by Mr. Prabjot Singh, SeaTech Solutions, the Sub-Committee aims to explore the use and feasibility of different types of alternative marine fuels available, evaluate and recommend procedures to improve the efficiency of alternative marine fueling options in Singapore and to promote Singapore's reputation for reliability and high standards for the future supply of alternative marine fuels.

“The Marine Fuels Committee (MFC) continues to work closely with the MPA and other relevant stakeholders in ensuring that Singapore remains the world’s premier bunkering port even during a pandemic - from the implementation of safety measures to the implementation of the Master Meter for the verification of mass flow meters. The Committee is also working towards the future with the formation of the Alternative Marine Fuels Sub-Committee. This is in-line with the IMO Strategy on the Reduction of GHG Emissions from Ships which envisages a reduction of CO2 emissions across international shipping by 50% by 2050 compared to that of 2008”



OFFSHORE & RENEWABLE E

CAPT. MIKE MEADE

A man with short grey hair and glasses, wearing a dark blue suit, a light blue striped shirt, and a light blue tie, stands with his hands clasped in front of him. He is smiling. The background is a city skyline at dusk, with the water in the foreground. The text "& ENERGY" is overlaid on the image in a large, white, outlined font.

& ENERGY

Offshore & Renewable Energy Committee



Chaired by Councillor Capt. Mike Meade AFNI MICS of M3 Marine Group Pte Ltd, the Offshore & Renewable Energy Committee works to address issues of concern unique to the offshore marine sector and establish Singapore as an attractive centre for the global offshore marine industry.

Following the rising trend of renewable energy in the market, the previous Offshore Services Committee has been renamed to Offshore & Renewable Energy Committee. The new Offshore & Renewable Energy Committee will look into the newest trend of renewable energy.

Some of the main issues addressed by the Committee were as follows:

- **Port Dues CAT 4 Rates**

The Committee has worked with the MPA, to ease the administrative requirement to avoid losing any potential business opportunities in Singapore and maintain Singapore's competitiveness as an offshore maritime hub.

It was noted that vessels are not entitled to the concessionary CAT 4 rates during a port stay in Singapore once there is a change in declaration for purpose code (e.g. from Code 6 or 7 to Code 1). In order to satisfy the current administrative requirement, the OSV has to sail out of Singapore and make a new port of call.

Such process will lead to an increase in operational costs for the owners as well as operational challenges and inconvenience such as unnecessary movements in and out of the port.

Recently, MPA has announced MPA-approved OSVs at MPA-specified Offshore Marine Facility locations and not carrying out cargo operations from 1 January 2022, will continue to enjoy a flat rate for the first 4 days (currently 5 days) of stay at such locations and daily rate will apply from day 5 (currently day 6) onwards. MPA will also extend the OSV validity with qualifying certificates permanently.

The revised port dues will be effective from 1 January 2022.

- **Appeal for a Higher Tier of Jobs Support Scheme (JSS) for the Offshore Sector**

The Committee noted that during late 2020, the SSA Council met with the Ministry of Transport (MOT) and one of the items on the agenda was to discuss the 'Offshore' sector and any measures that may be further adopted to assist SSA members in the 'Offshore Marine' cluster.

MOT & MPA noted that the offshore operator sector had been facing a number of challenges over the past years. In addition, the expected pick-up in the sector was unfortunately halted by the sharp drop in oil prices and aggravated by the COVID-19 pandemic. As such, MPA had agreed to

assist SSA members to appeal to the Ministry of Finance (MOF) on behalf of the offshore vessel operators that are significantly affected to have the same support extended as the shipyards for the Jobs Support Scheme (JSS).

The Secretariat will continue to work with MPA to reach out to the other relevant government agencies to assist the Offshore Sector.

“The offshore marine sector continues to face considerable challenges, caused by a continued oversupply of vessels and stringent cut backs by clients in the offshore sector as a result of the uncertainty beset upon us by COVID-19 and earlier coupled with the oil price disruption caused by the tit for tat oil price standoff between Saudi Arabia (and other OPEC producers) and Russia. For our part, we have transitioned the committee into the Offshore & Renewable Energy Committee to allow for the significant growth in this sector. We will continue to voice issues of concern unique to the offshore marine & renewables sector that are often overlooked in discussions focused on more traditional shipping”





SERVICES

MR. NITIN MATHUR



Services Committee



Chaired by Councillor Mr. Nitin Mathur from Wallem Shipping (S) Pte. Ltd., this Committee also oversees the activities of the Cruise Sub-Committee.

The Services Committee focuses on working with MPA, terminal operators and other service providers to address problems associated with ship operations and port services in Singapore.

- **Ongoing MPA/SSA Meetings on Operational Matters**

As part of its on-going efforts to engage the MPA on matters concerning port operations in Singapore, SSA continues to conduct quarterly meetings with MPA to discuss issues relating to ship operations and port services in the port of Singapore.

Issues addressed during the period include engaging stakeholders in discussion on mooring charges and berthing schedules at private terminals and issues regarding revised height restrictions at the Singapore Cruise Centre (SCC).

In addition to the work of its Sub-Committee, the Services Committee continues to work with Jurong Port. As a multipurpose port destination that handles different cargoes, a green and safe operational culture must be sustained. This requires constant engagement with port stakeholders to ensure that best practices are observed, and a safety culture is embedded throughout the port.

- **Ship Agency Work Group**

Led by Mr. Lakhbir Singh, Orient Maritime Agencies Pte Ltd, the Ship Agency Work Group is formed

to review and develop a set of Standards for ship agencies to increase the competitiveness and standards of the ship agencies in Singapore. The Work Group aims to create a minimum standard for ship agencies and improve the standard of services provided by the ship agencies.

- **Crew Change Update from SG-STAR Fund TaskForce**

Crew change remains a challenge during the pandemic. Together with the SG-STAR Fund, the Committee works closely with MPA, and all other relevant agencies to ensure that Singapore continues to facilitate crew change and keep our trade lines open.

The SG-STAR Fund is the first global ground-up tripartite initiative comprising of the MPA, SSA, SMOU, SOS alongside international partners including the International Transport Workers' Federation (ITF), the International Maritime Employers' Council (IMEC) and the International Chamber of Shipping, to work with stakeholders in seafaring nations on concrete solutions for safe crew change, starting with the Philippines.

The SG-STAR Fund is intended to support the seafaring nations on concrete solutions to promote and facilitate safe crew change.

The Committee is kept updated by Mr. Nitin, who is also the Chairman of the SG-STAR Fund TaskForce, supported by Ms. Siti Noraini, Secretariat for the SG-STAR Fund TaskForce.

- **Revised Port Dues**

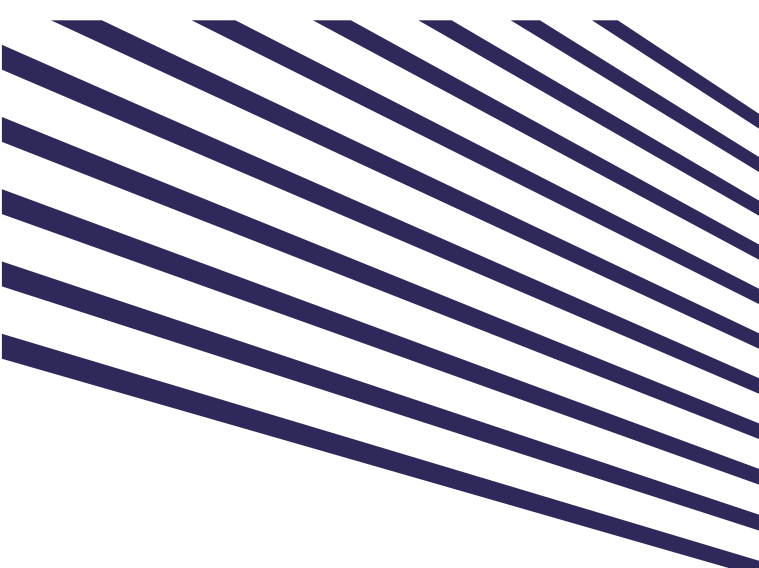
The MPA has been reaching out to the Committee for members' feedback on the revision on the existing port due, which was initially to be effective in January 2021. However, due to the pandemic, the revised port dues will be postponed to 2022.

Cruise Sub-Committee

Chaired by the Mr. Frankie Tan from Wallem Shipping (S) Pte. Ltd, the Cruise Sub-Committee works closely with MPA, Singapore Tourism Board (STB), Immigration & Checkpoints Authority of Singapore (ICA) and other stakeholders to develop and enhance Singapore's cruise sector to further promote Singapore as an efficient cruise hub and desirable destination in its own right.

During this pandemic, the Sub-Committee has focused on efforts for crew change for the cruise sector as well as tightening up process and procedures to ensure safe travel for when the cruise season begins again.

"Shipping is the backbone of international trade, transporting about 80 per cent of global trade volumes. The Services Committee has continued to engage with stakeholders in the Port of Singapore to ensure that crew change can be carried out safely and effectively in Singapore. Seafarer vaccination will be an important factor in ensuring that the resilience of the global supply chains is maintained, and Singapore, as an international maritime centre, aims to lead the way as an international hub for seafarers' vaccination."





SHIPPING FINANCE SE

MR. BOEY YIN CHONG

A man with short grey hair and glasses, wearing a dark grey suit, white shirt, and a patterned purple tie, stands with his hands clasped in front of him. He is smiling slightly. The background is a dark blue grid with various financial charts: a red line graph with an upward-pointing arrow, a grey bar chart, and a faint city skyline at the bottom. The word "SERVICES" is written in large, white, outlined capital letters, with the "S" partially obscured by a solid blue rectangle on the left.

SERVICES

Shipping Finance Services Committee



Chaired by Councillor Mr. Boey Yin Chong from DBS Bank Ltd, the Shipping Finance Services Committee's goals are twofold – to educate and engage SSA members about shipping finance, and to raise the profile of ship financing in Singapore.

In 2015, the then SSA Council identified shipping finance as one of the three pillars that SSA should strengthen in its efforts to further enhance Singapore's position as an IMC. To that end, a Shipping Finance Services Working Group was formed to promote Singapore as a marine finance hub.

As various independent reports such as Menon Economics' "The Leading Maritime Capitals of the World" and the Xinhua-Baltic International Shipping Centre Development (ISCD) Index identified shipping finance as a key indicator, in 2019, the Council made the decision to raise the Working Group to a full SSA Committee under Mr. Boey's chairmanship.

Whilst the Committee's plans to organise events to educate SSA members and other stakeholders and

raise the profile of shipping amongst investors, including the extremely well-received Maritime Capital Forum, which would have held its 5th iteration in 2020, were all casualties of COVID-19, the Committee was nonetheless able to adapt and in 2020, was able to host a series of well-attended virtual webinars for SSA members, including joint events with SGX, as well as the SSA YEG.

In addition, the Committee is currently working on initiatives to help educate SSA member companies, especially its SME members, on how to navigate the wide range of options in order to secure sufficient funding in a post-COVID-19 market.



3.29	1.87	3.05	0.04	0.27	4.16	8.32	6.79
5.00	1.43	1.06	0.15	0.43	7.93	10.05	7.17
	4.38	0.66		0	-9.18	-12.98	-136.2
1.94	4.31	0.65	0.05	0.62	16.25	23.25	23.37
6.11	6.47	2.64		0.36	6.96	15.18	32.53
31.00	1.05	1.20		0	3.3	0.57	2.29
	24.14	1.75		0	24.96		96.48
3.21	12.81	6.52	5.79	11.77	22.72	94.34	
	0.64	1.13		0	-3.32	-7.41	
3	11.96	4.71	1.60	8.36	3.68	17.24	
5	2.80	0.01	0.03	3.02	8.91		

The background is a dark blue aerial view of an industrial port. A large red and white cargo ship is docked at a pier in the lower right. The port area is filled with various industrial structures, including cranes, storage tanks, and buildings. Overlaid on the image are several white technical graphics: a hexagon with a central circle on the left, a circular fan-like structure in the center, and a series of parallel white lines in the bottom left corner. The word "TECHNICAL" is written in large, white, outlined capital letters across the middle of the image.

TECHNICAL

MR. KOH YONG PING



Technical Committee



Chaired by Mr. Koh Yong Ping of Bureau Veritas Marine (Singapore) Pte Ltd, the Committee has focused on the reduction of greenhouse gas emissions from shipping and the use of technology and digitalisation in shipping.

Reduction of GHG Emissions from Shipping

Whilst discussions at the International Maritime Organisation (IMO) were initially disrupted due to COVID-19, the Committee maintained a watching brief on ongoing issues that were addressed remotely via IMO correspondence groups.

The Committee considered the various goal-based, short-term GHG reduction measures that were approved for adoption at MEPC 76, which are aimed at reducing carbon intensity through goal-based measures that combine technical and operational measures. These measures, which will apply to existing ships, are pragmatic and flexible and will make use of a combination of an Energy Efficiency Existing Ship Index (EEXI), mandatory reduction of operational emissions through a carbon intensity indicator and enhanced use of the ship energy efficiency management plan (SEEMP).

In this regard, the Committee welcomed the measures, which will support the IMO's goal of reducing the carbon intensity of international shipping by 40% from 2008 levels by 2030.

Technology & Digitalisation

COVID-19 highlighted the importance of leveraging on technology, as SSA member companies sought to adapt to the new normal.

Recognising the strong interconnectivity between innovation, eCommerce, video/remote working in the office and in the field, and cybersecurity, the Committee has worked with members, service providers and other stakeholders to help promote solutions that address the needs of the maritime industry.

In particular, the Committee has actively engaged industry partners in the development of a new standard for remote surveys, inspections and audits, as class societies and ship superintendents have found themselves cut off from boarding vessels and carrying out their duties due to limitations imposed by COVID-19 lockdowns across the globe.

The Committee also continued its ongoing efforts to collaborate with class, regulators and technology providers to leverage on 3D printing and additive manufacturing for the maritime industry.



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YOUNG EXECUTIVES

MR. NG EE PING



S GROUP

Young Executives Group Committee



Chaired by Councillor, Mr Ng Ee Ping of Kontiki Shipping Pte Ltd, the main aim of the Young Executives Group (YEG) is to bring young maritime executives, aged 45 years and below, together to build valuable connections, foster their potential and nurture them as future leaders of the maritime industry.

YEG's key objectives since its launch on February 16, 2006 are:

- To generate greater awareness and participation in the Association's activities
- Keep young maritime professionals equipped and abreast of the key trends and issues in the maritime sector and maritime-related industries.
- Nurture young maritime professionals, as our next generation leaders, to appreciate and embrace corporate social responsibility.

The YEG Committee, comprising staff from 47 member companies drives the following four Sub-Committees focusing on (i) community outreach, educational programmes, industry networking and social media. This allows YEG to become a great platform for the young maritime executives to form friendships and build their networks at the early stage of their career.

The YEG organises a variety of interesting and relevant activities to help members be apprised of industry trends and developments, as well as creating opportunities for them to build their professional connections.

In the period of review, the YEG was only able to hold one physical event - the YEG Lunar New Year Networking Event in February 2020. This

event was memorable as it was the first and last face-to-face event held in the Year 2020 before the social distancing restrictions disallowing large group in-person gathering were imposed.

Undaunted, the YEG proceeded to organise innovative virtual community, educational and networking activities.

To emphasise the importance of a healthy lifestyle during the circuit breaker and at the same time helping the disadvantaged, the YEG held its inaugural virtual yoga charity session on 21 May 2020. This activity helped raise a respectable sum of S\$1,500 for Transient Workers Count Too (TWC2) – a non-profit organisation offering support to low-wage migrant workers who have been heavily affected by the pandemic. The Community Sub-Committee also conducted a virtual Zumba and Meditation Class on 16 July 2020 and 16 December 2020 respectively. These virtual events not only helped members maintain their physical and mental wellness, they were also part of the group's corporate social responsibility to help raise funds for Willing Hearts and HealthServe.

The virtual educational webinars held in conjunction with SNAMEs, RINA and IMAREST provided members with insights on various



“For the posterity of SSA and the shipping industry, we need to attract talents into the maritime industry, and nurture young maritime professionals into maritime leaders to navigate the future of shipping.”



YOUNG EXECUTIVES GROUP

maritime topics. Another notable event spearheaded by the Educational Sub-Committee was the Exclusive LinkedIn Webinar held over ZOOM on 11 September 2020. This was a unique and rare opportunity as the speaker, Ms Sharan Bhinder from LinkedIn, provided YEG participants with useful tips on how they can build their Professional Brand on LinkedIn.

To develop maritime talents, the YEG Committee also gave out its first SSA YEG-MaritimeONE Scholarship under the MaritimeONE Scholarship programme to help Ms Tan Xin Hui to fulfill her academic aspiration in maritime studies.

During the period in review, the YEG also organised a total of 12 webinars, 8 networking cum community events. The list of events is as follows:

Event	Date	Venue
YEG Lunar New Year Lo-Hei Dinner 2020	05 February 2020	RedDot BrewHouse at Dempsey
SNAMES/RINA/IMAREST/SSA Joint Webinar - Preliminary Design of a Tanker Ship in the Context of Collision-Induced Environmental Risk-Based Ship Design	30 April 2020	Virtually over Zoom
YEG/NUS Webinar: Navigating the New Normal	18 May 2020	Virtually over Zoom
SNAMES/RINA/IMAREST/SSA Joint webinar - Digitalization and Innovation in the Maritime Industry	19 May 2020	Virtually over Zoom
SSA/YEG Virtual Yoga session for Charity	21 May 2020	Virtually over Zoom
SNAMES/RINA/IMAREST/SSA Joint webinar - An Overview of Fixed Fire-Fighting Systems onboard Cargo Vessels	28 May 2020	Virtually over Zoom
SNAMES/RINA/IMAREST/SSA Joint webinar - The New HR Norm, Virtual Interviews to hiring	18 June 2020	Virtually over Zoom
SSA/YEG Virtual Zumba session for Charity	16 July 2020	Virtually over Zoom
Exclusive SSA YEG Webinar - Building a Professional Brand on LinkedIn	11 September 2020	Virtually over Zoom
SNAMES/RINA/IMAREST/SSA Joint Webinar: Tropical Storms - Risks & Costs in Offshore Operations	24 September 2020	Virtually over Zoom



Event	Date	Venue
SNAMES/RINA/IMAREST/SSA Joint Webinar: The Story of Singapore 100+ year-old Wooden Boats Twakows and Tongkangs	20 October 2020	Virtually over Zoom
SSA Live Webinar - Restructuring & Insolvency in Shipping	13 November 2020	Virtually over Zoom
SNAMES/RINA/IMAREST/SSA Joint webinar - Maritime Cyber Security	26 November 2020	Virtually over Zoom
YEG members only Virtual Cocktail Masterclass	3 December 2020	Virtually over Zoom
SNAMES/RINA/IMAREST/SSA Joint webinar - Hydrogen as a source of power for marine	15 December 2020	Virtually over Zoom
SSA/YEG Virtual Meditation session for Charity	16 December 2020	Virtually over Zoom
YEG/YES year-end gathering - Virtual Escape room	19 December 2020	Virtually over Zoom
YEG Virtual Lunar New Year Celebrations	25 February 2021	Virtually over Zoom
SSA YEG Charity Walk, Run, Cycle	1 March – 21 March 2021	At your own pace
SSA YEG International Women's Day Webinar	15 April 2021	Virtually over Zoom

COVID-19 Initiatives



Year 2020 has been a transformational year for the entire world with the global COVID-19 pandemic, causing nation-wide lockdowns, impacting global supply chains, stranding seafarers at sea and business grinding to a halt.

The SSA recognised the challenges that members faced and undertook various initiatives and stepped up engagements with the authorities to provide membership value and leadership to tackle issues which arose from the global pandemic.

The Association also spearheaded and amalgamated efforts for continued shipping activities in Singapore.

- **Membership Fee Waiver**

As a show of solidarity to member companies, SSA took an unprecedented move and waived 50% off members' fees for the second half of Year 2020.

- **Circuit Breaker Lockdown Exemption**

With the COVID-19 pandemic, the government introduced a Circuit Breaker (CB) as part of wider attempts to contain the spread of the COVID-19 virus. This meant that non-essential businesses had to stop their activities from 7th April 2020 till the 4th May 2020.

SSA Executive Director, Mr Michael Phoon, pre-empted MPA on the need to have a ready list of maritime companies to be exempted and allowed to operate during the CB period upon PM Lee's national speech on 3rd April, Friday. This proactiveness enabled a remarkably smooth transition from the time of announcement to the effective date on 7 April, Tuesday, which

enabled not just the big shipping companies, a list held by MPA, but also a comprehensive list of SSA members provided by the Association, such as ship agencies, to continue their business operations, albeit with safe distancing measures in place. This was a key reason why there was relative need for escalation or requests from members to be allowed to continue their businesses.

- **Engaging Enterprise Singapore (ESG) on funding aids for maritime companies impacted by COVID-19**

Following the Singapore budget announcement, SSA President, Caroline Yang, SSA Executive Director, Michael Phoon and some secretariat staff held meetings with ESG to raise the need for the agency to provide wider funding support for affected maritime companies. During the meetings, the SSA team also highlighted the plight of the smaller business segment that was left out, including non-SSA members and non-maritime industries e.g. small ferries/launch boat operators that are essential for crew change and private vans/bus drivers transporting crew to/from vessels. Subsequent to these meetings, the ensuing Singapore Supplementary Budgets provided for wider financial support for the maritime companies.

- **Donation to the Mission to Seafarers**

Although the SSA is a not-for-profit organization where unplanned expenditures put a tremendous stress on our budget planning, the Association also recognised and empathised with the many



seafarers who faced unusual hardships in these extraordinary times. SSA made a special donation to the Mission to Seafarers to support seafarers affected during COVID-19 and the consequential suspension of crew change which may affect their well-being and livelihood.

- **Spearheading the development of the Singapore Crew Change Guidebook**

With authorities stopping or limiting transnational travels to contain the spread of the COVID-19 virus, vessels and seafarers were turned away at many ports around the world. This hugely impacted shipping operations and global supply chain movements.

SSA initiated the formation of a tripartite working group to co-develop the Singapore Crew Change Guidebook (SCCG) to facilitate the pressing issue for crew change amid the COVID-19 pandemic. The Singapore Crew Change Working Group (SGCCWG) comprised members from MPA, union leaders from Singapore Maritime Officers Union (SMOU) and Singapore Organisation of Seamen (SOS), as well as industry representatives from SSA, the International Maritime Employers' Council (IMEC) and World Shipping Council (WSC). The SCCG was hailed as exemplary by IMO Secretary-General Kitack Lim for its member states to emulate as it provided a set of protocols for a 'safe corridor' to facilitate crew change in accordance with the International

Chamber of Shipping's Framework of Crew Change Protocol and MPA's requirements. Download the Singapore Crew Change Guidebook here:

<https://www.ssa.org.sg/mediaimg/publications/sg-crew-change-guidebook.html>



- **Singapore Shipping Tripartite Alliance Resilience (SG-STAR) Fund**

The SG-STAR Fund is the first global ground-up tripartite initiative bringing together like-minded international partners from the industry, unions and government to work with international stakeholders in seafaring nations on concrete solutions for safe crew change.

The SG-STAR Fund Taskforce (SFTF) has developed a CrewSafe audit program that endeavours to assist crew source nations to bring a higher level of confidence and quality control checks into crew change processes such as quarantine/holding, medical and swabbing facilities.

At the time of going into print, 16 holding facilities and 2 medical/testing facilities in Manila, Batam and Kuala Lumpur have been audited as CrewSafe.

Find out more about the Crewsafe facilities:
<https://www.ssa.org.sg/mediaimg/publications/sg-star-fund-crewsafe-facilities.html>





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