

▶ FROM THE CHAIRMAN'S DESK

The first half of 2018 has been an eventful one. April concluded with the successful run of *Singapore Maritime Week* held by the Maritime and Port Authority of Singapore and industry partners. We were heartened to see a positive turnout at the biennial *LNG Forum* where prospects for this form of clean energy were discussed. Seatrade UBM and SMF launched the countdown to *Sea Asia 2019*, the sixth edition of Singapore's anchor maritime exhibition and conference which will be held from 9 to 11 April next year.

Overseas, SMF and the Association of Singapore Marine Industries organised the Singapore Pavilion at *Posidonia* last month to showcase some of Singapore's maritime capabilities – with ten participating companies demonstrating our commitment to provide world class solutions as an international maritime centre.

On the talent front, much work has been done to develop a pipeline to support growing industry needs. In August, we can look forward to the induction of new MaritimeONE scholars at the *MaritimeONE Scholarship Awards Ceremony*. In September, SMF will host the *Careers At Sea & Beyond Forum and Exhibition* to bring participants closer to seafaring roles. We've also stepped up our marketing efforts to profile the industry, and you might catch sight of this in coming months at cinemas, on public buses and online.

A big thank you to our partners and MaritimeONE sponsors who have supported us in our endeavours.

With best wishes,

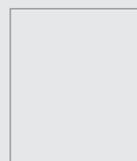


Andreas Sohmen-Pao
Chairman, Singapore Maritime Foundation

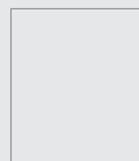
▶ THE SMF BOARD

The SMF Board is steered by the Board of Directors, which comprises prominent personalities from the maritime industry. Our Board sets the direction and provides strategic insight for SMF's initiatives and programmes.

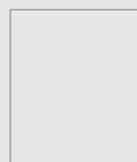
Presenting to you the SMF Board:



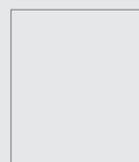
Mr Andreas Sohmen-Pao
Chairman,
BW Group



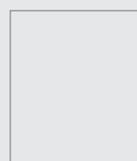
Mr Andrew Tan
Chief Executive,
Maritime and Port
Authority of
Singapore



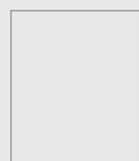
Mr Lee Keng Mun
Head of
Shipping Asia,
HSH Nordbank AG



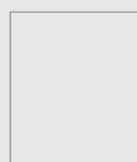
Mr Tan Puay Hin
Chief Executive,
Singapore Logistics
Association



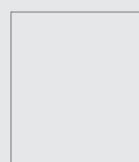
Mr Loo Tze Kian
Managing Director,
LCH Lockton
Pte Ltd



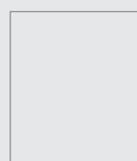
Ms Lisa Teo
Executive Director,
Corporate
Development
Pacific International
Lines (Pte) Ltd



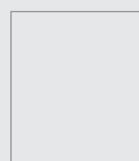
Mr Abu Bakar
Managing Director
(Gas & Specialised
Vessels),
Keppel Offshore
& Marine Ltd



Mr Prem K. Gurbani
Founding Partner,
Gurbani & Co LLC



Mr Punit Oza
General Manager,
Klaveness Asia
Pte Ltd



Mr Chua San Lye
Chief Human
Resource Officer,
Sembcorp
Marine Ltd

▶ STEERING AHEAD WITH SMF INITIATIVES



17th January 2018: MARITIME KNOWLEDGE SHIPPING SESSIONS (MKSS) SESSION 36 ON DISRUPTIVE TECHNOLOGIES AND CYBER RISKS

The old adage that prevention is better than cure stands true in the wake of recent cyber-attacks encountered by the shipping community. As the industry delves into greater digitalisation, new risks relating to disruptive technologies and cyber security are facing owners and operators around the world.

At the MKSS organised by SMF and the General Insurance Association of Singapore in January, Ms Maite Bolivar Klarup, General Manager of BIMCO reinforced the necessity of taking these risks seriously, "In a survey conducted by IHS Markit and BIMCO, 65 respondents out of 300 reported that they had been a

victim of a cyber-attack. These figures show how susceptible we are to such attacks, and we must not take this lightly."

Head of Cyber Asia Pacific, Mr. Andreas Schmitt, and Head of Marine Reinsurance, Mr. Michael Hauer, from Munich RE's Asia Pacific office echoed similar sentiments and jointly outlined the potential insurance solutions that insurance practitioners should take to better equip their clients on tackling such threats, "Constantly monitor your security configurations to ensure these are updated, and have in place a suitable response and recover plan in the unfortunate case of a cyber-attack."

Key takeaways from the session include how to look out for various vulnerabilities such as outdated software on-board vessels, and to develop good practices such as ensuring personal devices are not connected to operational systems. The next MKSS on "Broadening Exposure in Marine Liability" will be held in October 2018.

19th January 2018: APPRECIATION DINNER FOR OUTGOING SMF BOARD MEMBERS AND RETIRING EXECUTIVE DIRECTOR

The SMF Board comprises captains of different maritime sectors who play a significant role in steering the Foundation through its initiatives and programmes. Mrs Gina Lee-Wan and Mr Henry Mytton-Mills, two board members who have witnessed the shapeshift of the industry since joining the Board in 2012, have stepped down after completing three full terms with SMF. Alongside, SMF's retiring Executive Director, Mr David Chin, who took the helm over a decade ago, also made his leave from active service.



Past and present SMF Board and Advisory Panel Members gathered for a get-together in honour of all three, men and woman – achievements of these individuals have transformed the local community and impacted Singapore's success as a leading International Maritime Centre (IMC). Some of their notable contributions amongst many include the drafting of the revolutionary Singapore Ship Sale Form (SSF) which introduced new concepts and clauses to improve ship sale and purchase transactions, as well as collaboration with Association of Ship Brokers and Agents (USA) Inc., (ASBA) and BIMCO to revise the widely used NYPE 2015 time charter party. These positioned Singapore as a centre for international maritime thought leadership.

Under their guidance, they have helped SMF grow, take on more initiatives both locally and internationally, and have contributed significantly to the development of Maritime Singapore. We thank them again for their support and wish them all the best in their future endeavours!



26th January 2018: MARITIME D/CODED TOUR

In the Sea Transport Industry Transformation Map (ITM) launched earlier this year, three overarching strategies were outlined to transform Singapore into a world class maritime centre – connectivity, innovation and talent. As Maritime Singapore gears up to embrace new technologies, efforts

are also underway to build a future-ready workforce. The Maritime Singapore Connect (MSC) Office, set up by SMF in 2016, organised the Maritime D/Coded Tour, and welcomed students from various fields of study such as information security, data science and analytics, and information systems to understand more about the industry.

Mr Kenneth Lim, Chief Technology Officer with MPA, gave an overview of the Government's plans for Singapore. "There is no doubt that digitalisation and innovation will be a huge part of the transformation story, opening up even more exciting opportunities that we welcome our next generation of maritime colleagues to be a part of," he highlighted.

As part of the session, maritime professionals working in fields relating to Information Technology and Data Analytics from Jurong Port and PSA shared about their jobs. Students were also given an exclusive tour of the container and multi-purpose terminals at PSA and Jurong Port.

February to March 2018: MARITIME TOUCH PROGRAMME

Material flows, financial flows and information flows provide the pulse to any trade economy. As much as technological advances have made it easy for some areas to be managed by robots, the human element is still as important as ever. Likewise, attracting and nurturing talent has always been one of SMF's key focus when it comes to developing Singapore as an international hub for maritime.

Each year, SMF organises the Maritime Touch Programme (MTP) – a series of outreach talks by Maritime Ambassadors at schools of various academic levels to debunk myths about the industry and give insight into the workings of the maritime community. These Ambassadors hail from different sectors and bring students along in their journey through their sharing sessions. In the earlier part of the year, MTPs have been held in Northbrooks Secondary School, Temasek Polytechnic (TP), and the National University of Singapore (NUS).

At Temasek Polytechnic, Ms Heng Yang Ling from Maersk Line spoke to a group of students pursuing a Diploma in Logistics & Operations Management and introduced them to the wide range of career opportunities catered to industry specialisations.

At the recent 'Building a Dynamic Singapore – Role of Engineers' event held by NUS, Mr Choo Xin Jian from Sembcorp Marine Repairs and Upgrade Pte Ltd described his experience as a project manager, and introduced engineering as an aspect of maritime.

Another MTP held on 9 March at Northbrooks Secondary School saw Ms Fanny Ng, from MPA, speak of the unconventional route she took as a Marine Surveyor and how her career path enriched her growth as an individual.





9th March 2018: MSC MARITIME CAREERS WORKSHOP

“There are a lot of exciting developments in the world around us – self driving cars, drones and 3D printing. What is even more exciting than working in a narrow sense on a single technology is to consider how all these technologies could be applied within a global industry.”

At the MSC Maritime Careers Workshop in March, Mr. Andreas Sohmen-Pao, Chairman of SMF, painted a description of the current environment facing the industry, alluding to the myriad of possibilities with the incorporation of technology.

Over a hundred undergraduates from all disciplines and working professionals with less than two years of work experience attended the event to discover more about the career opportunities offered in this sector.

Mr Marcus Teo, Senior Manager of the Industry Manpower Development team at MPA, outlined the Government’s blueprint and long-term plans for the industry, and encouraged participants to be part of this new chapter in maritime.

Six maritime companies from the port, shipping and maritime services – APL, Jurong Port, Norden, PSA Corporation, Wallem Shipmanagement and Wilhelmsen Ships Services

were also present. Representatives from these companies led breakout sessions so that participants could find out more about their businesses, the positions they typically hire for, and the profile of the candidates preferred.



24th April 2018: LNG FORUM AND LAUNCH OF SEA ASIA 2019

Nearly 160 senior maritime executives from the energy and shipping sectors gathered for a day of high-level panel discussions on LNG bunkering. The exclusive full-day VIP conference provided leaders with a forum to voice their views on topics ranging from the macro outlook of LNG production and demand, shipping and regasification solutions, and downstream markets including the development of small-scale LNG and LNG bunkering.

Following the forum was the launch of *Sea Asia 2019*, the seventh edition of the show, which is set to take place in April next year. The upcoming Sea Asia show is expected to host a plethora of activities that will engage both participants and exhibitors, and is expected to draw a crowd of over 15,000 industry professionals globally.

Chris Hayman, Chairman of Seatrade UBM, emphasised the significance of Sea Asia as a platform for the discussion of ideas, opportunities and debate. “The opportunities which a global event like Sea Asia provides include challenging debate and authoritative content, presentations on its exhibition floors of current and future technologies and solutions, as well as high quality visitorship and networking opportunities,” he said.



He also touched on some changes that participants of *Sea Asia 2019* could look forward to, such as greater interaction between conference participants, exhibitors and visitors on the exhibition floor.

Sea Asia 2019, the anchor event of the *Singapore Maritime Week*, will be held at the Marina Bay Sands from 9-11 April 2019.



From left to right: Mr Michael Duck, Mr Andrew Tan, Mr Andreas Sohlen-Pao and Mr Chris Hayman at the launch of Sea Asia 2019.

12th May 2018: MARITIMEONE LEARNING JOURNEY TO THE RAFFLES LIGHTHOUSE

It was a fine Saturday morning when sixty students boarded a boat to explore one of Singapore's oldest lighthouses.

On the island of Pulau Satumu, approximately an hour's journey south of the main island, two lighthouse keepers man the lighthouse and work on a shift that lasts for ten days. They then hand their duties over to another pair of colleagues, before sailing back to Singapore to spend time with their families.

On the island, there is a small museum at the foot of the lighthouse that stores antiquated tools and instruments used by the previous keepers; tools such as lanterns and wind gauges. After perusing the artefacts, the students climbed ninety steps to the top of the lighthouse, where the keeper explained its history and significance.

"You're standing on what has been built by the British over a hundred and sixty years ago. The light emitted from this lighthouse can be visible from twenty nautical miles away – and hasn't failed since it was created.", the lighthouse keeper explained.

For the gatekeepers of the Raffles Lighthouse, life on an island holds another meaning. And as the nation celebrates the bicentennial of Singapore's founding in 1819 next year, the Raffles Lighthouse remains a symbol of Singapore's maritime journey since the 14th century and a reminder of the nation's historic milestone as a maritime emporium.

The Raffles Lighthouse learning journey is just one of the multiple programmes organised by MaritimeONE annually for students pursuing maritime related diplomas and degrees, to allow them to gain a deeper appreciation of the maritime industry and its significance to Singapore.





22nd and 31st May 2018: MARITIME EXPERIENTIAL PROGRAMME WITH THE SINGAPORE SHIPPING ASSOCIATION (SSA)

No experience in maritime? Not a problem. In May, SMF and SSA held two sessions of the Maritime Experiential Programmes (MEPs), which transported over two hundred students and teachers to Singapore's ports and maritime landmarks. Participants explored Singapore's shores by boat and got to learn from both sea and walking tours of the nation's rich maritime history.

"The maritime industry is something you don't think about much because we don't really get exposed to it," admitted a student who registered for the programme. "It was interesting to see how cargo gets shipped from other parts of the world, to the Ports here, and then to the stores."

Students and teachers also had the opportunity to experience a day in the life of maritime professionals through company visits, and discovered diverse career pathways through the interactive panels at the Singapore Maritime Gallery.

"When someone mentions that they have 'worked in maritime', I would think that they spend their days on ships, but it turns out that there's more to the industry than just seafaring jobs," remarked one of the teachers who attended the programme with the students.

The MEP is held twice a year typically in May and October, and provides students with an opportunity to discover more about the diversity of the maritime industry, as well as grow their interests in this unique sector. The next MEP session will be held in October.



June 2018: BUS CAMPAIGN

From now until the month of November, you might catch sight of a car carrier perched atop a public bus on the road. More affectionately termed as Ro-Ros (Roll on-roll off ships), outdoor campaigns like these serve to capture the attention of pedestrians and drivers and provide an introduction to the maritime sector.

Rolled out in two phases, the campaign directs viewers to the Maritime Singapore Connect (MSC) website and seeks to impress upon the public the relevance of the maritime industry. A competition in the form of a quiz was also launched to engage the public. Participants who had correctly answered a question found on the posters within public buses stood a chance to win gift vouchers. This phase of the campaign will see five weekly winners until the end of August.

The next phase aims to drum up publicity for the *Careers at Sea & Beyond Forum and Exhibition* taking place on 8 September, and encourages the public to sign up for the event through the MSC website.

By raising the awareness of the diversity of seafaring and shore based career opportunities, the MSC bus campaign aims to develop an interest and curiosity amongst the public towards the maritime industry. Look out for it on bus service numbers 196, 151, 30 and 154.





June and July 2018: SCOOT CAMPAIGN

Before Singapore's maritime scene took on an illustrious growth, the nation began as a humble trading port in the heart of the Singapore River. Clarke Quay was home to a congregation of squatters, bumboats and hawkers, where goods and passengers were ferried across daily.

In the June and July edition of SCOOT's inflight magazine, SMF explores Singapore's journey from a colonial trading post to its current state as an IMC. The article highlights the contrast between the past and present maritime landscape, through the eyes of four young maritime professionals, who share their opinions on the dynamic changes undertaken by the industry.

The article also features MaritimeONE scholars who speak of their experiences studying abroad during their overseas exchange programmes. From learning more about different cultures to gaining a new perspective of the world, these scholars unanimously agree that these opportunities have deepened their appreciation of the globalised nature of maritime. If you are planning a trip with SCOOT this month, do give this issue a read.



4th June 2018: Singapore delegates and pavilion exhibitors with the Senior Minister of State for Health and Transport, Dr Lam Pin Min, at Posidonia in 2018 (Athens, Greece).

YOUTH MATTERS



LOH SHEN KAI

SMA – MaritimeONE Scholar

SMF: Could you share any interesting experiences you've had so far while pursuing your course of study or internship?

SK: During my internship, the vessel I was on sailed past the Cape of Good Hope, where we experienced a phenomenon called bioluminescence – the production and emission of light by living organisms in the sea. The water surrounding the vessel lit up in a beautiful blue. It was the most extraordinary thing I've witnessed from Mother Nature.

Other enjoyable experiences include the networking sessions organised by MaritimeONE, where I get to interact with seniors who have been in the industry for a long time, so I try to learn more about the industry through them. I also get the chance to share my experiences with new scholars, and talk to them about my internship and studies.

SMF: Tell us about the MaritimeONE Scholarship Programme, how it has impacted your education, and your journey in maritime.

SK: The Scholarship has assisted me financially, so it takes a load off my family's shoulders and allows me to pursue my studies with a lot more ease. Also, the Programme provides plenty of opportunities for us scholars to network with industry professionals, which have provided me with a deeper understanding of the industry.

SMF: What have you learnt about being in the maritime industry?

SK: Maritime is not made up of just the ports or ships alone, but it comprises many sectors and organisations in Singapore. It has its own ecosystem of logistics, transportation, finance, and insurance – to name a few. More importantly, Singapore is home to a very conducive business

environment with a highly skilled workforce and a stable political and economic environment. These have helped us attain a world class reputation of being an international maritime hub.

SMF: In your opinion, what's the best thing about being a part of Maritime Singapore?

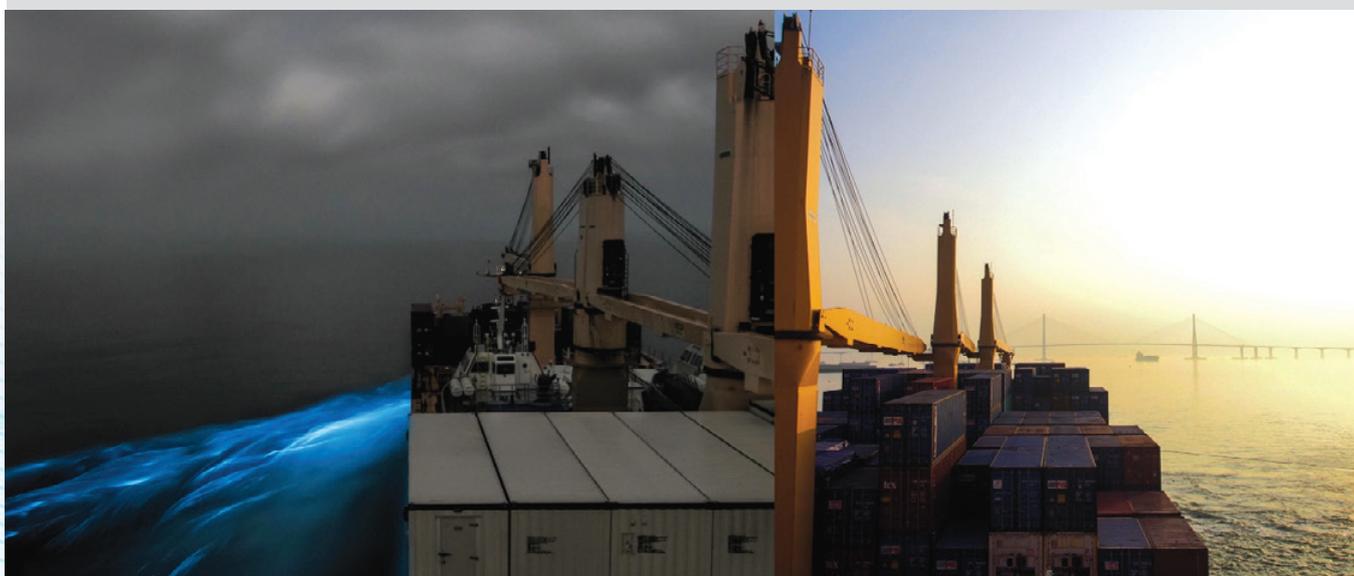
SK: I think the best part is knowing that despite our small size, Singapore is a significant player as a maritime hub on a global platform. Also, being a part of Maritime Singapore means that every professional is significant in contributing to the maritime ecosystem here, so there's a sense of belonging and pride.

cups – these are just simple ways we can stop the damage we are inflicting upon the Earth.

SMF: What's trending now amongst the youths?

SK: I would say it's the ritual of taking photos of 'Instagram worthy' foods before eating. It has been going on for some time, because we enjoy seeing the number of 'likes' and 'followers' increase on our accounts. As much as our parents don't understand it... we continue to do so. It's pretty fun.

Another trend – salted egg coated foods. Everything



Composite photograph of two vessels taken during night and day; bioluminescence (left) captured by Shen Kai while passing through the Cape of Good Hope.

SMF: What do you do in your spare time?

SK: I love photography. Whenever I travel, I'll have a camera by my side. Photographs are memories immortalised with a snap of a camera, and they are tangible memories I can revisit in the future.

SMF: What is one cause that you hold dear to your heart?

SK: Definitely environmental protection. I believe if every individual takes a small step, it makes a big difference on the whole. Habits like replacing our plastic straws with reusable ones, or by bringing our own cups to get coffee instead of using plastic

is coated with salted egg now – from potato chips to fish skin, and it's crazy! It's super unhealthy but the taste is worth it!

SMF: If you could give some words of advice to someone who's keen on joining the industry, what would you say?

SK: Passion is important. Work should be fun, it shouldn't be something you wake up every morning and hate – that would be exhausting. Of course, there will be difficult times, but it will be your passion that will help you overcome these situations.

FRANKLY SPEAKING



From left to right: Capt Salleh, Mr Loh Yew Chiong, Mr Swapan Das Sarma and Mr Goh Teik Poh at the SMA @ 60 Gala Dinner.

CAPTAIN SALLEH

Capt Salleh, Director of the Singapore Maritime Academy (SMA) at Singapore Polytechnic, has been with SMA for over 20 years. Contributing his invaluable expertise garnered from a decade of experience at sea, he also sits on the Advisory Panel at SMF and works with the Foundation to support the growth of Maritime Singapore. In this exclusive interview, Capt Salleh shares another side of himself that is little known to others.

SMF: Capt. Salleh, we want to know, how did you get into the business of maritime?

CS: Shipping made an impression on me from a very young age. Hence, I decided to pursue it as a career.

I spent my childhood days in Telok Blangah & Tanjong Pagar areas near Keppel Shipyard and the port. Seeing big ships loading and unloading cargoes in port and being repaired on the docks, triggered my curiosity to know more about what takes place onboard such ships. It also piqued my interest to find out more about the maritime industry. Upon completing my GCE "O" Level examinations, I applied for and was offered to attend the Pre-Sea Course at Singapore Polytechnic.

After sailing, I decided to switch my career and take on a lecturing post at the then Department of Maritime Technology & Transportation at Singapore Polytechnic in July 1992. I wanted to give back to my alma mater and share my knowledge and experiences with young people

who were aspiring to join maritime. I then took over the Directorship of SMA on 1 April 2015.

SMF: What's the one thing you need every morning?

CS: Fresh fruits and a good cup of Kopi O!

SMF: What has been your best travel experience so far and why?

CS: Throughout my sailing career, I have had a lot of opportunities to visit different countries through the various port of calls made by the ships I sailed on. Meeting people from these countries and learning about their cultures have given me a lot of enriching experiences. I've also had great opportunities to enjoy the beauty these countries had to offer. The best part is that these visits come at almost no cost! The voyage across the vast open sea is also extremely therapeutic.

SMF: What are three things that you cannot live without?

CS: The support of my family, my smartphone, and... my medications! (I'm diabetic)

SMF: What's the one thing you bet most people don't know about you?

CS: During the post-war period, from Primary One to Secondary One, I was in the Malay stream, but was then transferred to the English stream in Secondary Two when the importance of a bilingual education system in Singapore came into full force.

SMF: What's the key to a successful business?

CS: Being in the business of education, our key assets are our experienced lecturers, state-of-the-art facilities, and alumni. It's important to build and enhance our capabilities and core competencies in our lecturers and facilities. We aim to teach our students to be inspired learners and have a firm belief in life-long learning. We also encourage them to be inclusive and create a caring community, while cultivating a global mindset. Shipping is a global industry, and we ensure that they can be open-minded and work with people from different cultures.

SMF: If you had a superpower what would it be?

CS: To be able to influence more young people to take up maritime careers.

SMF: What did you aspire to be when you were younger?

CS: I wanted to be an interior designer!

SMF: What would you name your boat if you had one?

CS: Resilience.

SMF: How would you describe the importance of maritime to someone who is not from the industry?

CS: Maritime Singapore has played an essential role in shaping the country's economy, transforming the country from a colonial trading post to an international maritime centre in one generation. Singapore has been named the top maritime capital of the world for the third consecutive year, in the Menon Economics Report that was released in April 2017. We've also been named the best seaport in Asia for the 29th time.

Looking forward, with the launch of the Skills Framework for Sea Transport and the upcoming Tuas Mega Port, Maritime Singapore has much in store for the future of the industry. We also actively engage young talents to join this industry, welcoming people from various education backgrounds, from IT to engineering. There's a place for everyone in maritime.

WHAT'S NEW!

The National Trade Platform (NTP) is a one-stop digital trade ecosystem that brings together key logistics functions and regulatory and financial elements for players across the trade value chain.

Businesses can enjoy time and cost savings by re-using trade data and sharing them with business partners, and subscribe to a suite of value-added services such as freight management services, permit return and invoice financing, to improve business efficiency and performance. Register for an NTP account and enjoy a free trial period (till 31 Dec 2018) of services such as data repository and document exchange (www.ntp.gov.sg).





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