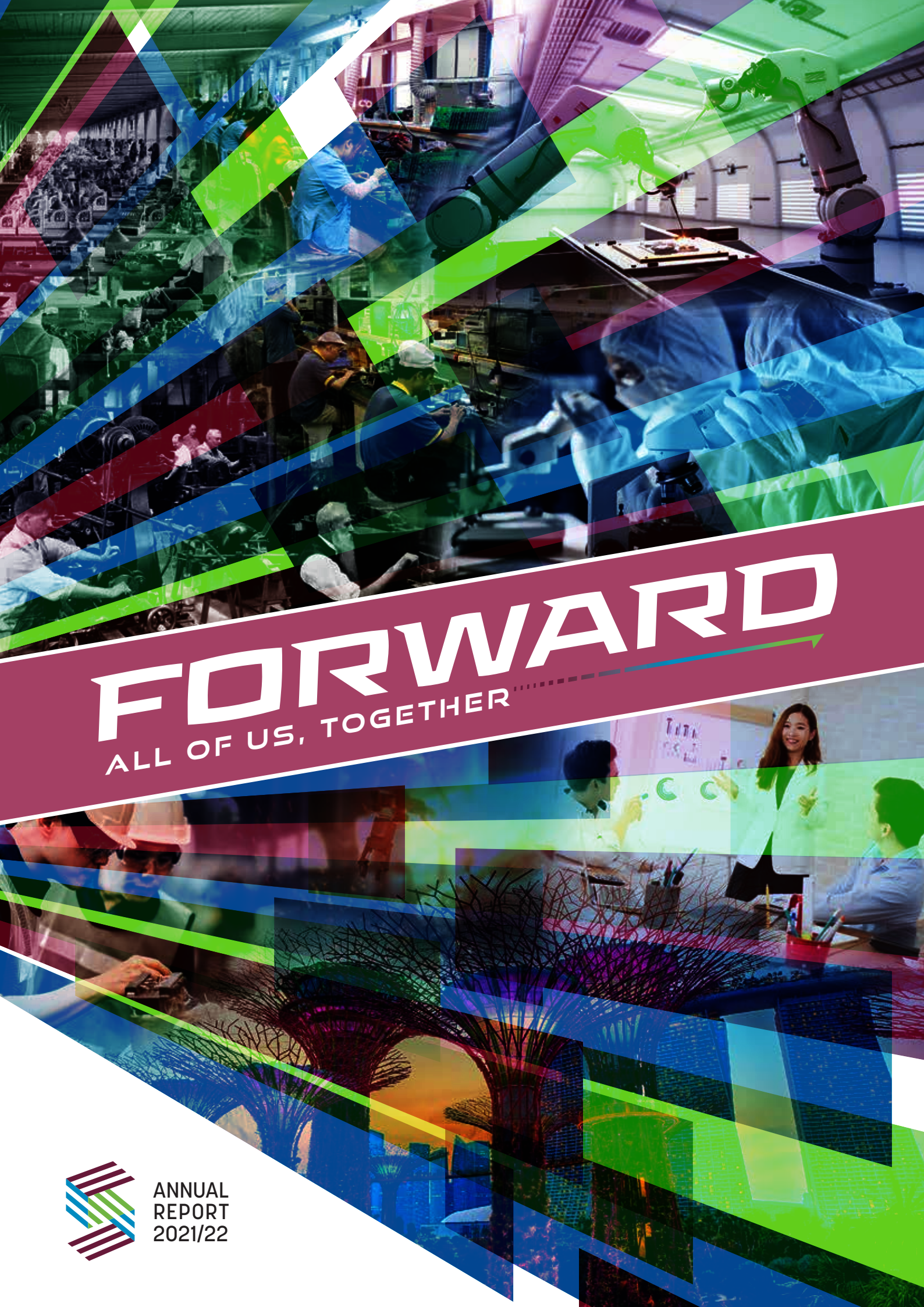




FORWARD

ALL OF US, TOGETHER



ANNUAL
REPORT
2021/22

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Corporate Profile

The Singapore Manufacturing Federation (SMF) is the largest national organisation representing the interest of manufacturing and manufacturing-related industries since 1932.

Today, the SMF is a forefront trade federation serving the manufacturing community by driving digitalisation, innovation-led productivity, business transformation and internationalisation towards enhancing the competitiveness of its member companies.

Currently, the SMF membership stands at about 5,000 members, comprising SMEs, MNCs and affiliate members. Member companies are categorised into 10 Industry Groups and supported by the SMF's Associated Services to address each industry's unique and specific needs and interests.

The SMF collaborates with local and overseas government agencies, industry partners and enterprises to provide key services such as representation of members' views in dialogues with the authorities; increasing business opportunities through local and international trade fairs and missions; building capabilities through conferences, seminars, workshops and other industry-specific programmes; and transforming businesses with business model innovation.

Our Vision

To be a world-recognised national federation with a strong membership base from the manufacturing sector, committed to creating value and services for our members, the manufacturing sector and Singapore.

Our Mission

To represent the business interests of the Singapore manufacturing sector, and to facilitate its competitiveness and sustainable growth.

President's Message

Dear Fellow Members,

I begin my message by recording a note of thanks to my predecessor and Immediate Past President Mr Douglas Foo for contributing both his time and effort to the Federation. Thank you Douglas.

The financial year 2021/2022 saw the transition of COVID restrictions to the beginning of a new era – one of acceptance and learning to work and live with the virus. This transition saw a gradual restart of business activities, re-connecting with business partners in person and fresh exploration of business opportunities.

Yet, amidst this flurry of resumption activities, other events have arisen globally, disrupting what many would have hoped would be a smooth period of transition. The Russian-Ukraine conflict and growing tensions between US and China are exacerbating supply chain disruptions even as the world looks to recover from the disruptions of the Covid-19 pandemic. Besides that, manufacturers also have to contend with rising energy

prices and rising inflation rates, in addition to familiar challenges of manpower shortage and employee skills gap.

Fortunately, the manufacturing sector has continued to show its adaptability to adopt flexibility. Against the challenges I stated above, Singapore's manufacturing sector grew by 13.2 percent year on year in 2021, which is a solid growth compared to the previous year at 7.5 percent expansion. Singapore's manufacturing output continued to rise over the months of this financial year, albeit at a slower pace, with a growth of 3.4 percent year-on-year in March 2022.

While these figures are encouraging, we must continue to work towards growing the manufacturing sector through transformation based on agility, resilience and innovation. My team and I at the SMF are committed to standing with our members to fulfil the goals set in the manufacturing vision 2030 that was announced by the Singapore government.

In this regard, the Federation has continued to offer our members a slew of activities targeted to facilitate collaboration, transformation and innovation.

Dialogue sessions with key stakeholders in both the government and private sector industry leaders were held both virtually and physically. With manpower matters on the top of most businesses' concerns, the SMF hosted member dialogues with the Ministry of Manpower with Manpower Minister Mrs Josephine Teo in April 2021, followed by her successor Minister Dr Tan See Leng in November 2021. Such dialogue sessions are part of our efforts to enable our members to understand current government policies and measures and provide a platform for members to present their manpower concerns to the Minister.

A SMF Sustainability Task Force was also set up within the secretariat team to bring Environmental, Social and Governance matters into focus at the SMF. The SMF has since organised a Beach Clean Up and a food bank collection, which involved both Secretariat staff and SMF members. Working with other partners, the Task Force has also held focus group discussions to assist our members embark on their sustainability journey.

The SMF also continued to administer the Packaging Partnership Programme (PPP) with the National Environment Agency (NEA) in the last FY. The PPP seeks to support companies on their journey towards managing their packaging waste through sustainable means. The PPP also aims to help companies familiarise themselves with the Mandatory Packaging Reporting (MPR) requirements, so they can easily submit their mandatory packaging report.

In this FY, the SMF has also continued to offer free membership for the first 12 months for new members. I would like to call on members to use this opportunity to bring more members on board the SMF family.

Moving on to the international front, I am happy to share that the SMF has signed MOUs with the Italian Trade Agency (ITA), Hong Lai Huat Group, and provinces in Vietnam so as to enable our members a network of partners as they venture and expand into overseas markets. Further, as supply chains continue to be threatened with uncertainty, the SMF envisages that through its network of international partners, SMF members will be able to diversify their supply chains and find new resources for growth more easily.

One key event in the SMF's calendar is the landmark celebration of the SMF's 90th Anniversary. Planned to take place at the close of the FY2022/2023, we should all be proud that the manufacturing community has weathered many storms together in history and has emerged stronger each time! I look forward to meeting many of you in person at our gala dinner. Details will be announced soon!

As I conclude, under this new Council, which I am humbled to lead as President, you have my assurance that we will continue to do more to serve our members. On behalf of the SMF Council, I would like to express my heartfelt gratitude to all our stakeholders, our industry partners, the secretariat, and our members who contribute to the SMF's story! With your support, the SMF can look forward – all of us together, to face the future with optimism. Thank you once again for your unwavering support.

LENNON TAN
SMF President

Message from Immediate Past President

Dear Fellow Members,

I would like to begin by thanking SMF Members for their support during my tenure as SMF President. Indeed, over the course of the last two financial years, the Covid-19 pandemic and its related challenges were foremost on the agenda of many, including the Federation.

I recall the days when Singapore first entered into its Circuit Breaker phase. Many businesses, especially those in the manufacturing sector, were faced with unprecedented and unexpected circumstances. At that point of time, we knew very little of the virus, test kits were not commonly available and vaccines not developed. We were also in a constant state of flux as new directives emerged in a bid to control the spread of the virus.

However, at the time of writing, international borders are gradually opening up. The Singapore government has ensured that test kits are made readily available to households. The Singapore population is largely vaccinated. It is also no longer a requirement to wear masks in most places.

I am therefore glad that as the SMF makes plans for its landmark 90th Anniversary celebrations, there is much optimism around. I am sure that with SMF President Lennon Tan leading the Federation in this new chapter, the Federation will emerge stronger from the pandemic.

Before you turn the pages and look back through the last year, allow me a moment to say that it has been my privilege and honour serving you these years. I wish everyone good health and happiness.

DOUGLAS FOO, BBM
Immediate Past President



Year in a Glance

APR 2021

The SMF is proud to be awarded the “2020 China – ASEAN COVID 19 Economic Collaboration Partnership Award”!

Awarded by the China ASEAN Business Council (CABC), set up to facilitate co-operation with leading Trade Associations and Chambers (TACs) in ASEAN.

This award affirms the SMF as a leading TAC in ASEAN and the award was given in recognition of the SMF's contributions and efforts to help promote collaboration between Singapore and China businesses.

CCL appointed by the Indonesian Embassy Singapore to provide entrepreneurial skills training to Indonesian domestic workers

The SMF Centre for Corporate Learning (CCL) was appointed by the Indonesian Embassy in Singapore to provide entrepreneurial skills training for Indonesian domestic workers in Singapore. Designed to provide Indonesian domestic workers in Singapore with knowledge and relevant skillsets to set up their own businesses when they return to Indonesia, the first training session was conducted on 25 April 2021, where a total of 30 domestic workers attended. The SMF is proud to have provided such training for the workers as it opens up opportunities for these workers when they return home.

Dialogue Session with Minister for Manpower

On 12 April 2021, Minister for Manpower Josephine Teo, together with Senior Minister of State for Manpower and Defence Zaqu Mohamad and Government Parliamentary Committee Member Sharael Taha engaged SMF members in a dialogue session virtually, joining Minister of State for Manpower and Education Gan Siow Huang, who was present at the SMF Building in person.

During the dialogue session, the Minister and her team answered some questions raised by members relating to topics that were discussed in the Singapore Budget Statement 2021 and the Committee of Supply Debate 2021, as well as matters of workforce transformation.

SMF hosted SICCI fireside chat with Minister in the Prime Minister's Office and Second Minister for Finance and National Development Ms Indraneel Rajah

The SMF hosted the Singapore Indian Chamber of Commerce & Industry's (SICCI) fireside chat on 30 April 2021 with Minister in the Prime Minister's Office and Second Minister for Finance and National Development Ms Indraneel Rajah in attendance together with Partner of PWC Singapore Program Leader from PROXTERA Mr Winston Nesfield and SICCI Chairman Dr T Chandroo. This hybrid fireside chat saw the panellists answering questions on topics on a wide range of matters from digitalisation to financial services.

JUN 2021

Launch of SMF ACTS! Steer Fund

The SMF launched the SMF ACTS! STEER Fund, working with Enterprise Singapore to help SMF members in their transformation efforts in preparation for economic recovery from the Covid-19 pandemic. This fund offers targeted support to build up business capabilities through Business Model Innovation, Digitalisation as well as to reskill and upskill employees through training.

JULY 2021

Virtual SAF Day 2021

The SMF organised the SAF Day Re-Dedication Ceremony 2021 for the East Zone on 1 July 2021. This is the second time it was held virtually, with the different zones observing the SAF Day Parade together from different respective locations. The SMF is proud to continue playing its part in showing our appreciation to the men and women of the SAF!

First hands on training to perform ART self-test

The SMF held its first hands-on training on performing Antigen Rapid Testing (ART) self-tests on 13 July 2021, in collaboration with Abbott Rapid Diagnostics Pte Ltd, Creat3D, and Unison Collaborative Pte Ltd. During the workshop, experts shared information on the ART technology, as well as conducting a hands-on demonstration and personal coaching for participants on how to swab and test.

AUG 2021

Fireside Conversation on Future of Manufacturing with NTU

The SMF held the “Fireside Conversation on the Future of Manufacturing” webinar on 17 August 2021 together with Nanyang Technological University, Singapore. This fireside conversation served as a platform for NTU students to ask SMF Secretary-General Mr Lawrence Pek about the manufacturing sector in Singapore, the future of manufacturing in a post-COVID era, and the current technological advancements that will require a skilled workforce from Institutes of Higher Learning such as NTU.

SMF is part of the Future Economy Council's Advanced Manufacturing and Trade Sub-Committee

Represented by SMF Secretary-General Mr Lawrence Pek, the SMF is proud to be invited to be part of the Future Economy Council's Advanced Manufacturing and Trade Sub-Committee.

SEP 2021

Sustainability Focus Group Discussion with SBF

The SMF held a focus group discussion on sustainability in manufacturing together with the Singapore Business Federation (SBF). Company representatives from various industries had a lively discussion as they shared their experiences and challenges on implementing sustainability measures in their business. Participants also noted that while the narrative

on sustainability is not new, many are still taking tentative steps in embarking on their environmental sustainability journey.

Annual General Meeting (AGM)

The SMF held its AGM virtually on 30 September. Being an AGM in a Council Election year, the newly elected Council members were announced for the Council term of 2021 to 2024.

OCT 2021

First virtual SPSA and conference

The SMF's Packaging Council of Singapore (PCS) Industry Group held its first virtual Singapore Packaging Star Awards (SPSA) 2021 ceremony and conference.

This awards ceremony recognises the efforts of companies and students for their packaging designs that are marketable, sustainable and protective of the products they carry. Winning the SPSA enables participation in the Asiatar and Worldstar awards, representing Singapore on the regional and world packaging stages respectively.

NOV 2021

Virtual Dialogue Session with Minister for Manpower and Second Minister for Trade and Industry Dr Tan See Leng and Minister of State for Manpower and Education Ms Gan Siow Huang

The SMF hosted Minister for Manpower and Second Minister for Trade and Industry Dr Tan See Leng and Minister of State for Manpower and Education Ms Gan Siow Huang in a virtual dialogue session with SMF members on 19 November 2021. The session was fruitful for SMF members as many questions from our members on topics such as fair employment, foreign talents, and attracting the next generation to the manufacturing sector were answered with insights and explanations provided by Minister Tan and Minister of State Gan.

DEC 2021

SMF CCL conducted complimentary sustainability workshop

The SMF Centre for Corporate Learning (SMF CCL) conducted a complimentary sustainability workshop on 16 December 2021. The workshop, named “Implement Sustainable Manufacturing”, gave representatives from various member-companies the opportunity to gain insights on how they can prepare their companies to embark on the sustainability journey, and do their part in reducing carbon footprints.

SMF celebrates Christmas

The SMF organised a year-end gathering to celebrate the end of 2021 and welcome another year of hope and success. Mr Shekhar Jaiswal, Head of Equity Research from RHB Singapore was invited to share with close to 40 participants the economic landscape for the coming year.

JAN 2022

SMF Beach Cleanup

As part of the SMF's Corporate Social Responsibility, the SMF Secretariat had an eventful morning under the sun in playing a small part in bettering our environment on 7 January 2022. Led by SMF Secretary-General Mr Lawrence Pek and organised by the SMF's Sustainability Task Force, the beach cleanup covered the stretch of Changi Beach.

ISCA roundtable

The SMF participated in the 13th ISCA Roundtable Discussion on 14 January 2022 in preparation for the Singapore Budget Statement 2022. Represented by SMF Secretary-General Mr Lawrence Pek, the discussion

was lively, with many points raised by Mr Pek that were well received by the panellists. This roundtable discussion was co-chaired by Member of Parliament Mr Liang Eng Hwa, ISCA President Mr Kon Yin Tong, and attended by various leaders from fellow TACs.

Council Workplan

The SMF organised the first Workplan for Council members of the new Council Term 2021-2024 on 26 January 2022. During the Workplan, SMF Secretariat and Council members exchanged ideas and discussed ways in which the SMF can better move forward in representing the local manufacturing community.

FEB 2022

Italian Trade Agency MOU signing

The Italian Trade Agency and the SMF signed an MOU to further affirm mutual relations and develop business cooperation between Singapore businesses and Italy on 16 February 2022 at the SMF. In the presence of The Honourable Manlio Di Stefano, Undersecretary of State for Foreign Affairs of Italy, the MOU was signed by His Excellency Mario Andrea Vattani, Ambassador Extraordinary and Plenipotentiary of Italy to Singapore.

Food Bank Collection

The SMF hosted a Food Bank Collection on 23 February 2022. This initiative was organised by the SMF Sustainability Task Force, in support of the United Nations Sustainable Development Goals Number 2: No Hunger.

Members and staff of the SMF were encouraged to donate unopened food items in support of the Food Bank Collection.

Roundtable discussion with Vietnam Foreign Investment Agency

The SMF held a roundtable discussion on 25 February 2022, in collaboration with the Foreign Investment Agency of the Socialist Republic of Viet Nam to promote business alliances between Vietnam and Singapore.

The participants had a very fruitful discussion that focused on training and upskilling of human capital so as to navigate the competitive business landscape as well as to adapt to rapid technological changes.

MAR 2022

Online meeting with Kanagawa Prefecture

The SMF was invited to attend an online meeting between Kanagawa prefecture and the National University of Singapore on 2 March 2022. During the meeting, the SMF offered our assistance to match companies in Kanagawa Prefecture with our members in the Medtech and Lifescience Industry Groups.

Launch of SS 681

The SMF – Standards Development Organisation launched its latest standards – SS 681:2022 Code of Practice for Sport Safety.

SS 681: 2022 provides practical guidelines and international best practices to improve sports safety. It covers a wide range of settings, including competitive and school sports, recreation and fitness activities, as well as addressing the risks and challenges to ensure good safety practices that were accumulated over the years.

Safe Hands Campaign 2022

Organised by the SMF and the Workplace Safety and Health Council, the Safe Hands Campaign was launched on 23 March 2022 to raise awareness of the prevention of hand and finger injuries at the workplace. The 2022 campaign is targeted at the Food Manufacturing subsector, which accounts for the second highest number of amputation injuries.

Key Figures and Statistics in FY 2021/2022

5000

SMF Members (SMEs, MNCs and
affiliate members)



164 2257 151

Webinars,
Dialogues
and Meetings

Local Companies
signed up for EEN

Expression of Interest
from European
Companies for EEN

108

training classes
conducted by CCL

5

virtual and
hybrid trade
fairs

s\$4.7
MILLION

sales generated by
exhibitors at Trade Fairs

Around
1,200

participants trained by CCL

Over
5,800

SME cases attended by
SMEC@SMF

1,215

interns went
through GRT
programme

146

Total Delegates

16

Incoming
Delegations

12

Ambassadors,
Ministers &
Other VIPs
received

Visiting Dignitaries from:



Awards Received by
the SMF



Membership Profile

SMEs, LLEs and MNCs



*SME is defined as an enterprise with an annual sales turnover of under S\$100 million, or that employs less than 200 workers.

*LLE is a local enterprise that employs more than 200 workers.

SMF's Industry Groups



Advanced Engineering
and Manufacturing
(AEM)



Building Products and
Construction Materials
(BPCM)



Electrical, Electronics
and Allied Industries
(EEAI)



Energy and Chemicals
(E&C)



Food and Beverage
(FB)



Lifestyle (LIG)



Life Sciences (LS)



Medical Technology
(MT)



Packaging Council of
Singapore (PCS)



Smart Automation
(SA)

List of Associated Services

Supported by its Associated Services, the SMF provides a comprehensive, one-stop platform for manufacturing and manufacturing services, helping local companies grow and flourish.

The Associated Services and their offered services include:



GS1 Singapore

Provides Global Standards for supply chain, leveraging on technology tools such as Barcoding, RFID and EDI, etc.



Singapore Innovation & Productivity Institute

Provides consultancy and training on issues of innovation and productivity. Drives Business Model Innovation.



SME Centre@SMF

Helps SMEs start, sustain, and grow their businesses through business diagnosis, advisory, information on government schemes and capability workshops.



SMF Centre for Corporate Learning

Training and upskilling of the workforce.



SMF Standards Development Organisation

Develops, promotes and implements local and international standards.

Executive Committee

Mr **LENNON TAN**

President

(Honorary Secretary – 30 September 2021 till 12 May 2022)
(Elected President as of 12 May 2022)
Chairman, SMF Enterprises Pte Ltd

Group Chairman, ADERA Global Group



Mr **STEPHEN HO**

Vice President

(Appointed as of 12 May 2022)
Chairman, Risk Review Committee

Executive Director and Chief Executive Officer, Hong Leong Asia Ltd



Mr **RYAN CHIOH** PBM

Deputy President

Co-Chairman, Health, Safety, Security & Environment Function Committee
Chairman, GS1 Singapore

Managing Director, FarEastFlora.com Pte Ltd



Mr **HENRY TAN** JP (Rtd), PBM

Chairman, Ethics & Corporate Governance Management Committee

Chairman, Medical Technology Industry Group

Group Managing Director, Alpha-Health (Asia) Pte Ltd



Mr **MELVIN TAN**

Honorary Secretary

(Honorary Treasurer – 30 September 2021- 12 May 2022)
(Elected Honorary Secretary as of 12 May 2022)
Chairman, Secretariat Management Committee

Group Managing Director,
Cyclelect Holdings Pte Ltd



Mr **NG TIAN BENG**

Chairman, Health, Safety, Security & Environment Function Committee

Senior Vice President & General Manager, Channel, Asia Pacific Japan (APJ), Dell Global B.V. (Singapore Branch)



Mr **WAYNE SIM**

Chairman, Public Relations & Corporate Communications Function Committee

Deputy Chairman, Membership & Industry Groups Function Committee

Executive Director and Business Development Director,
Sing Chye Heng Investment Holdings Pte Ltd



Mr **VINCENT WONG**

Chairman, Technology & Transformation Function Committee

Director, Research & Advanced Engineering Singapore
Continental Automotive Singapore Pte Ltd



Mr **POH CHOON ANN** PBM

Vice President

Group Chairman, Poh Tiong Choon Logistics Limited



Mr **ALESSANDRO PERROTTA**

Vice President

Chairman, Membership & Industry Groups Function Committee
Chairman, Global Business Groups Function Committee

Chief Executive Officer, Interplex Holdings Pte Ltd



Mr **EUGENE YOO**

Chairman, Youth Network Function Committee

General Manager, Southeast Asia &
APAC Commercial Excellence Lead, Johnson & Johnson Pte Ltd



Council Members



Mr DOUGLAS FOO BBM
Immediate Past President
(President – 30 September 2021 to
25 February 2022)
(Appointed Immediate Past
President as of 12 May 2022)
Chairman, SMF Biz Search Pte Ltd
Chairman, Sakae Holdings Ltd



Mr CHEONG CHUNG KIN
Chairman, Food & Beverage
Industry Group
Chief Executive Officer,
Win Sin Pte Ltd



Mr CHAN HAI KIANG
Chairman, Advanced Engineering
and Manufacturing Industry Group
Managing Director,
Flexspeed Technology Pte Ltd



Mr MOHAN KUMAR
Chairman, Life Sciences
Industry Group
CEO and Managing Director,
Strides Pharma Global Pte Ltd



Mr BENJAMIN LIM
Chairman, Building Products
& Construction Materials
Industry Group
Managing Director,
Iwa Design Pte Ltd



Mr KIMMING YAP
Chairman, Lifestyle
Industry Group
Managing Director,
Creativeans Pte Ltd



Mr TAN BOON CHONG
Chairman, Electrical,
Electronics and Allied Industries
Industry Group
Director – Compliance and
Standards, GP Batteries
International Ltd



Ms MAY YAP
Chairman, Packaging Council
of Singapore Industry Group
Chairwoman, CEO and Managing
Director, LHT Holdings Ltd



Mr TAN CHENG GUAN
Chairman, Energy & Chemicals
Industry Group
(Appointed as of 26 January 2022)
Executive Vice President, Office
of the Group President & CEO,
Semcorp Power Pte Ltd



Mr DAVID CHIA
Chairman, Smart Automation
Industry Group
Chairman, SME Centre@SMF
Pte Ltd
Managing Director,
Beckhoff Automation Pte Ltd



Ms PHYLLIS ONG
Council Member
Group Chief Executive Officer and
Executive Board Director, Armstrong
Industrial Corporation Limited



Ms VIVIAN CHUA
Deputy Chairman, Technology
& Transformation Function
Committee
Deputy Chairman, SME Centre@
SMF Pte Ltd
Head of Singapore and Malaysia
& Managing Director, Singapore,
HP Singapore (Pte) Ltd



Mr NEO SING HWE
Council Member
(Appointed as of 12 May 2022)
Partner, Consulting (Risk, Finance),
Global Client Service Partner of
Temasek & Government & Public
Service, Ernst & Young Singapore
Consulting Practice



Mr PETER ISAAC CHAN
Council Member
Director, IPS Group Pte Ltd



Ms MARGARETA LAMINTO
Chairman, SMF Centre for
Corporate Learning Pte Ltd
Group Chief Operating Officer,
Fullerton Health Pte Ltd



Mr EDDIE LIM
Council Member
Managing Director,
Jil & Yellowtail Pte Ltd



Mr DESMOND TAY
Council Member
Chief Executive Officer,
GUUD Pte Ltd



Mr ANDREW LIM
Deputy Chairman, Global Business
Groups Function Committee
Managing Director,
Government and Large Enterprise,
Singtel Group Enterprise



Mr RYAN YAP
Council Member
Head – Growth, Innovation &
Partnerships, YCH Group Pte Ltd

The SMF thanks these resigned Council Members for their services:

Mr Edwin Ng
Markono Print Media Pte Ltd (Resigned as of October 2021)
Ms Pearl Yu
Keystone Cables Pte Ltd (Resigned as of December 2021)

Mr Graeme York
Senoko Energy Pte Ltd (Resigned as of December 2021)
Mr Lee Tiong Heng
Deloitte Singapore (Resigned as of January 2022)

Board of Governors

Following Article X of the SMF Constitution, the Board of Governors (BOG), consisting of BOG Chairman Mr George Huang, BOG members Mr George Yeo and Mr Robert Chua, held a BOG meeting on 17 March 2022. At this meeting, Mr George Yeo, being the longest serving member of the BOG, retired from the BOG. Mr Yeo was then re-appointed as a member of the BOG by both Mr Huang and Mr Chua.

Chairman of the BOG Mr George Huang also stepped down as Chairman of the BOG. Mr Huang was then re-appointed as Chairman of the BOG by both Mr Yeo and Mr Chua.

The SMF thanks the members of the BOG for their continued service to the Federation.



MR GEORGE HUANG, PBM, DSM

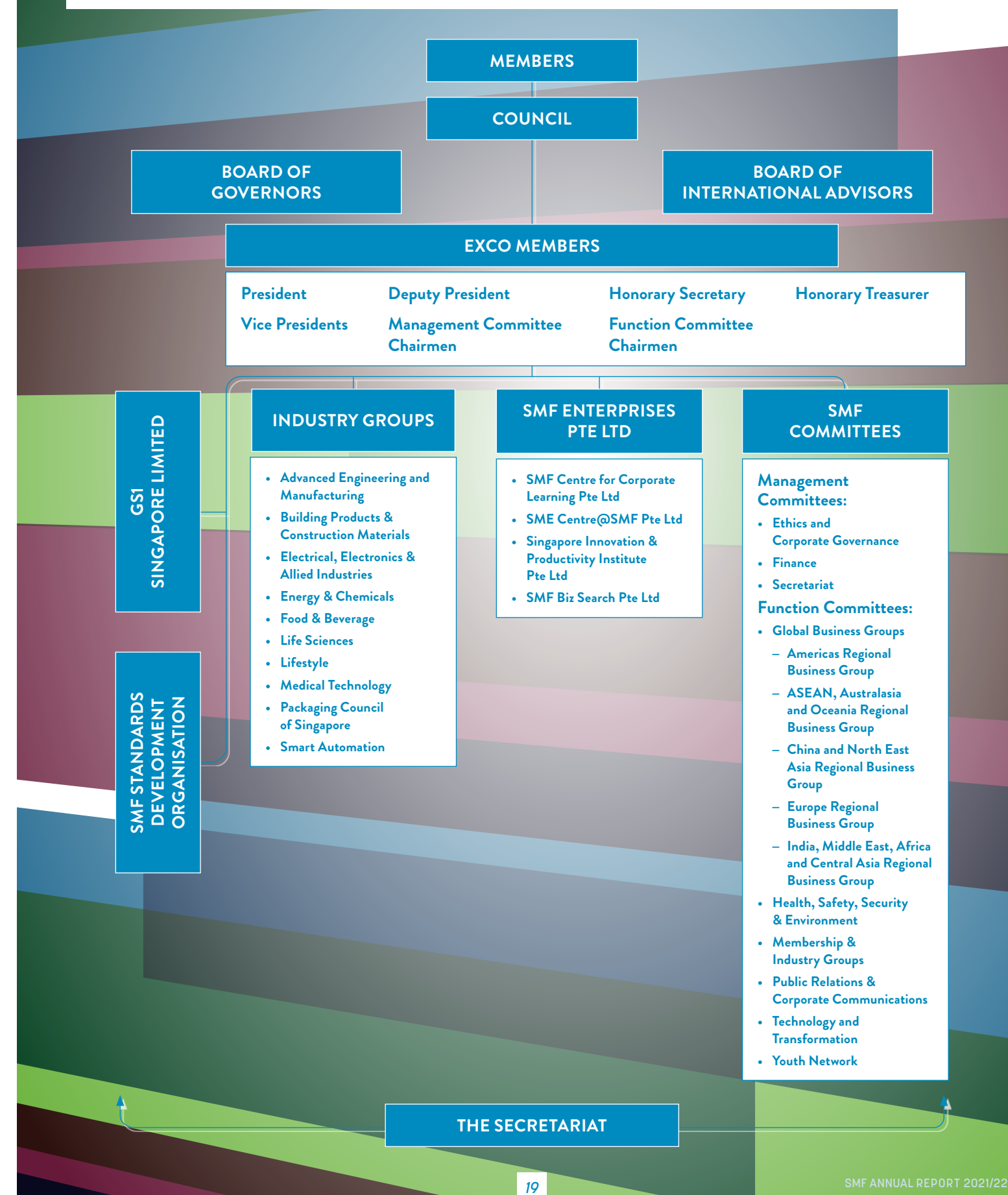


MR GEORGE YEO

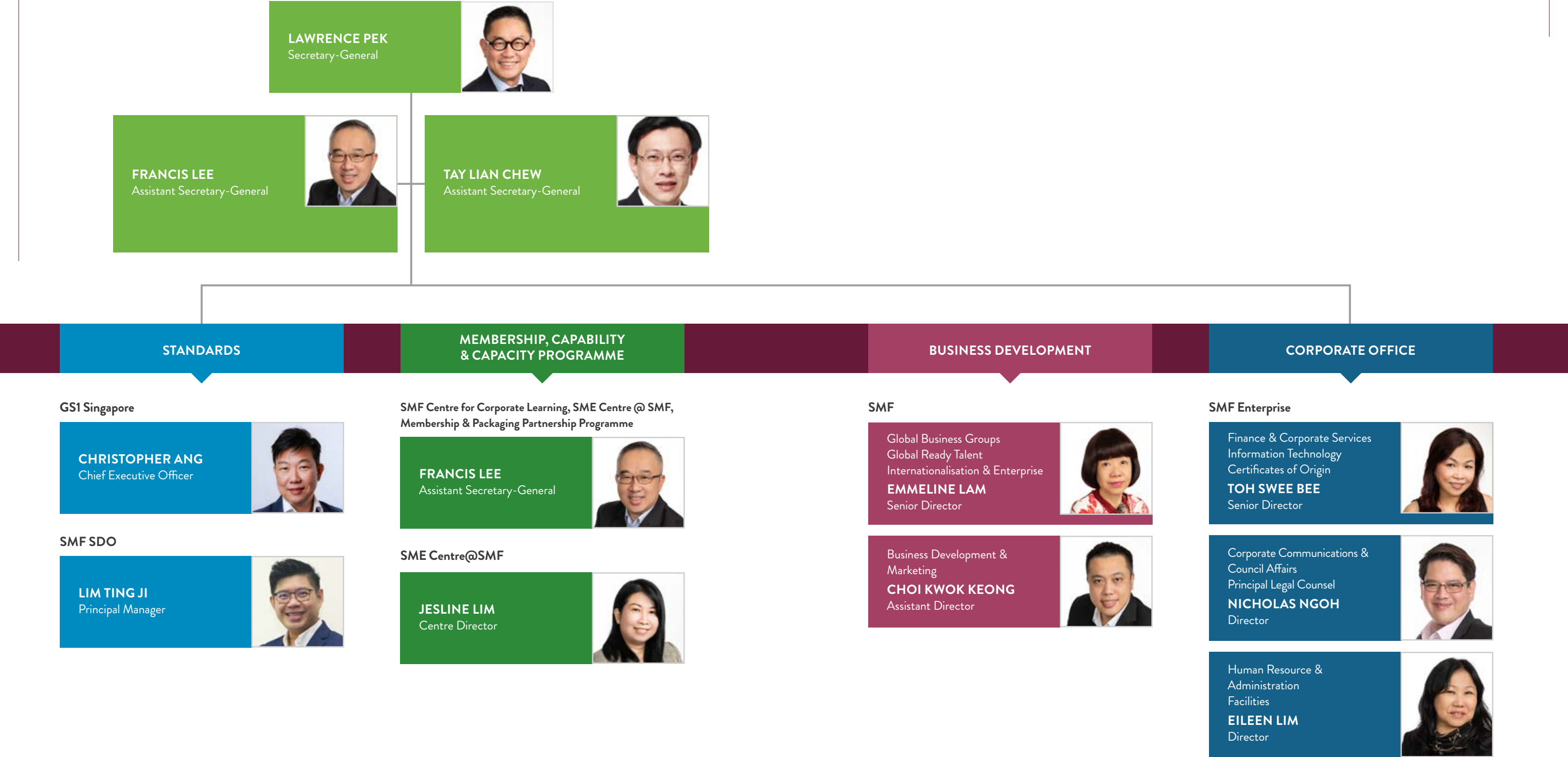


MR ROBERT CHUA, PBM, BBM

The SMF



The SMF Secretariat



Council Members Serving On Government Statutory Boards And Other Organisations*

MR LENNON TAN

President, SMF
Chairman, SMF Enterprises Pte Ltd
Trustee, SMF Enterprises Pte Ltd
Trustee, GS1 Singapore Ltd
Group Chairman, ADERA Global Group

- Vice President & Youth Head, Teochew Poit It Huay Kuan
- Council Member and Chairman of Social Affairs, Singapore Federation of Chinese Clan Association (SFCCA)
- Council Member, Singapore-Guangdong Collaboration Council (SGCC)
- Industry Advisor, China-Singapore (Chongqing) Initiative (CCI) for Information and Communication Technology (ICT)

MR RYAN CHIOH, PBM

Deputy President, SMF
Co-Chairman, Health, Safety, Security and Environment Function Committee
Trustee, SMF Enterprises Pte Ltd
Director, SMF Enterprises Pte Ltd
Director, SMF Biz Search Pte Ltd
Chairman, GS1 Singapore
Trustee, GS1 Singapore
Managing Director, FarEastFlora.com Pte Ltd

- International Liaison Director, Interflora Pacific Limited

- Board of Directors, Singapore Business Advisors and Consultants Council Limited
- District Councilor, North East Community Development Council (CDC)
- Co-Chairman, Community Outreach Committee, Singapore Cancer Society
- Member, RSTN-SUSS Young Executive, Development Programme Committee

MR MELVIN TAN

Honorary Secretary, SMF
Chairman, Secretariat Management Committee
Group Managing Director, Cyclect Holdings Pte Ltd

- Honorary Treasurer, Association of Process Industry (ASPRI)
- Chairman of Manpower, Talent and Skills Sub-Committee, SME Committee, Singapore Business Federation (SBF)
- Committee Member, Enterprise 50 Association
- Member, Young Presidents' Organisation

MS AUDREY YAP

Honorary Treasurer, SMF
Chairman, Finance Management Committee
Chairman, SMF Singapore Innovation and Productivity Institute (SiPi) Pte Ltd
Director, SMF Enterprises Pte Ltd
Managing Director, Yusarn Audrey LLC

- Member, Board of Directors, IP Office of Singapore (IPOS) – 2015-2022
- Member, IP Committee, Mediation Center for China Council for the Promotion of International Trade (CCPIT) and China Chamber of International Commerce(CCOIC)
- Member, International Steering Committee, World Intellectual Property Organization-World Economic Forum (WIPO-WEF) Inventor Assistance Programme
- Past President, Licensing Executives Society International (LESI)
- Member, Singapore Institute of Directors
- Advisor, Franchise & License Association Singapore
- Member External review Panel (QAFU) Ministry of Education

MR DOUGLAS FOO, BBM

Immediate Past President
Chairman, SMF Biz Search Pte Ltd
Director, SMF Enterprises Pte Ltd
Chairman, Sakae Holdings Ltd
Singapore Non Resident High Commissioner to Tanzania

- Vice President, Singapore National Employers Federation (SNEF)
- Member, Alexandra Health Fund Limited
- Member, Eisenhower Fellowships Global Network Council
- President, Eisenhower Fellowships Singapore Society
- Member, MILK (Mainly I Love Kids) Fund
- Patron, Radin Mas Community Club Management Committee
- Chairman, Radin Mas Citizens' Consultative Committee
- Member, RMIT College of Business Industry Advisory Board
- Patron, Siglap Citizens' Consultative Committee
- Co-Chair, Tripartite Alliance for Fair and Progressive Employment Practices
- Member, Young Presidents' Organisation

MR POH CHOON ANN, PBM

Vice President, SMF
Group Chairman, Poh Tiong Choon Logistics Limited

- Group Chairman, Poh Tiong Choon Logistics Limited
- Chairman, Poh Choon Ann Arts Fund Limited
- Vice-Chairman, Singapore Business Federation (SBF) – China & North Asia Business Group
- Council Member, Singapore-Liaoning Economic & Trade Council
- Committee Member, Singapore-Sichuan Trade & Investment Committee
- President, Musicians Society of Singapore
- Executive Chairman, International Chinese Culture Exchange Federation
- Honorary President, Choral Association (Singapore)
- Honorary President, Association of Composers (Singapore)
- Honorary Council Member, Singapore Chinese Orchestra
- Honorary President, Singapore Literature Society
- Honorary Chairman, Singapore Association of Writers

MR ALESSANDRO PERROTTA

Vice President, SMF
Chairman, Membership & Industry Groups Function Committee
Chairman, Global Business Groups Function Committee
Chief Executive Officer, Interplex Holdings Pte Ltd

- Council Member, NUH Medical International Council (NIC)
- Founder Member, Singapore-Mexico Chamber of Commerce

*This is a non-exhaustive listing

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MR STEPHEN HO

Vice President, SMF

Chairman, Risk Review Committee

Executive Director and Chief Executive Officer, Hong Leong Asia Ltd

- Non-Executive Director, Tasek Corporation Berhad (subsidiary of Hong Leong Asia)
- Non-Executive Director, China Yuchai International (subsidiary of Hong Leong Asia)
- Non-Executive and Non-Independent Director, BRC Asia Ltd

MR HENRY TAN, JP (RTD), PBM

Chairman, Ethics & Corporate Governance Management Committee

Chairman, Medical Technology Industry Group

Group Managing Director, Alpha-Health (Asia) Pte Ltd

- Patron, Cheng San CC Management Committee

MR VINCENT WONG

Chairman, Technology & Transformation Function Committee

Director, SMF Singapore Innovation & Productivity Institute (SIPI) Pte Ltd

Director, Research & Advanced Engineering Singapore, Continental Automotive Singapore Pte Ltd

- Academic Advisory Committee, Electronics & Info-Comm Technology, Institute of Technical Education

MR TAN BOON CHONG

Chairman, Electrical, Electronics and Allied Industries Industry Group

Director, GS1 Singapore

Director – Compliance and Standards, GP Batteries International Ltd

- Member, EESC TC 3 – Power System & Utilisation, National Standards and Certification, Enterprise Singapore

- Convener, EESC TC1 WG3 – for Plugs, Socket-Outlets & Switches, National Standards and Certification, Enterprise Singapore
- Singapore Head of Delegate, IEC TC SC23B – (Electrical Accessories), National Standards and Certification, Enterprise Singapore
- Singapore Expert, IEC TC SC23B MT4 (Plugs & Sockets), National Standards and Certification, Enterprise Singapore
- Singapore Expert, IEC TC SC23B MT6 (Switches), National Standards and Certification, Enterprise Singapore
- Convener, EESC TC1 WG1 – Electrical Appliances (Ceiling Fan), National Standards and Certification, Enterprise Singapore
- Member, EESC WG – Smart Plug (TR 54) for Home, National Standards and Certification, Enterprise Singapore
- Member, EESC TC1 WG11 – Smart Switched Socket-Outlet (TR XX), National Standards and Certification, Enterprise Singapore
- Convener, EESC TC1 WG12 – Primary Battery (IEC TC 35), National Standards and Certification, Enterprise Singapore
- Singapore Head Delegate, IEC TC 35 Primary Batteries, National Standards and Certification, Enterprise Singapore
- Singapore Expert, IEC TC 35 MT19 & MT15 (Primary Batteries), National Standards and Certification, Enterprise Singapore
- Member, SCIC/SDO WG for ISO TC207 (GHG & Product Life Cycle), National Standards and Certification, Enterprise Singapore
- Boards of Directors, GS1 Singapore
- Technical Assessor, Electrical Testing Laboratory, Singapore Accreditation Council (SAC)
- Member, WG 1 – Circuit Breaker (IEC TC SC 23E), Department of Standards Malaysia (DSM)
- Member, WG 2 – Low Voltage Switchgears & Control Gears Assemblies (IEC TC/SC17D), Department of Standards Malaysia (DSM)
- Advisor, WG 3 – Plugs, Socket-Outlets & Switches (IEC TC SC 23B), Department of Standards Malaysia (DSM)
- Member, ESG-SAC Council Committee for Laboratory

MR CHEONG CHUNG KIN

Chairman, Food & Beverage Industry Group

Chief Executive Officer, Win Sin Pte Ltd

- Representative, ASEAN Food & Beverage Alliance (AFBA)
- Honorary Chairman, Singapore Association of Food Equipment Manufacturers & Suppliers (SAFEMS)
- Chancelier Honoraire, Chaîne des Rotisseurs
- Industry Steering Committee, Circular Economy, National Environment Agency (NEA)

MR MOHAN KUMAR

Chairman, Life Sciences Industry Group

CEO and Managing Director, Strides Pharma Global Pte Ltd

- Member, Medicine International Council (NIC), National University of Singapore
- Member, Biopharmaceutical Manufacturers' Advisory Council (BMAC)
- Member, Charity Fund Raising Committee, Sree Narayana Mission (SNM)
- Member, Singapore Indian Chamber of Commerce and Industry (SICCI)
- Director, Strides Pharma Asia Pte Ltd
- Director, Six Rays Pte Ltd
- Director, Sixrays Holdings Pte Ltd
- Director, Steriscience Pte Ltd
- Director and Shareholder, Admire Ventures Pte Ltd
- Director, CEO & Managing Director, Strides Pharma Global Pte Ltd
- Shareholder, Axis Dot Ventures Pte Ltd

MR KIMMING YAP

Chairman, Lifestyle Industry Group

Managing Director, Creativeans Pte Ltd

- Executive Committee Member, Design Business Chamber Singapore
- Representative Member, IRAS Taxpayer Feedback Panel
- Distinguished Professor, Shanghai Academy of Fine Arts

MS MAY YAP

Chairman, Packaging Council of Singapore Industry Group

Chairwoman, CEO and Managing Director, LHT Holdings Ltd

- 1st Vice President, Singapore Timber Association
- Executive Committee Member, Waste Recycling Management Association of Singapore
- Member, Singapore Institute of Director

MR DAVID CHIA

Chairman, Smart Automation Industry Group

Chairman, SME Centre@SMF Pte Ltd

Managing Director, Beckhoff Automation Pte Ltd

- Assistant Treasurer, Singapore Industrial Automation Association
- Head of OPC Hub ASEAN, OPC Foundation

MS PHYLLIS ONG

Director, SMF Singapore Innovation & Productivity Institute (SIPI) Pte Ltd

Group Chief Executive Officer and Executive Board Director, Armstrong Industrial Corporation Limited

- EXCO member, Enterprise 50 Association
- Enterprise Singapore – ESG Board Member FY 2022

MR NEO SING HWEE

Council Member

Partner, Ernst & Young Singapore Consulting Practice

- Member of Corporate Governance Council, Institute of Singapore Chartered Accountants (ISCA)
- Member of Continuing Professional Education Council, ISCA
- Board Member, Singapore Pools
- Audit & Risk Committee Chairman, Tote Board
- Audit & Risk Committee Chairman, Tripartite Alliance Ltd
- Audit Committee, A*Star Research Entities
- Audit Committee, A*ccelerate, A*Star
- Audit Committee, RenCi Hospital

MR DESMOND TAY

Director, SMF Centre for Corporate Learning Pte Ltd

Chief Executive Officer, GUUD Pte Ltd

- Member, ESCAP Sustainable Business Network (ESBN) Digital Economy Task Force, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)

MR ANDREW LIM

Deputy Chairman, Global Business Groups Function Committee

Managing Director, Government and Large Enterprise, Singtel Group Enterprise

- Fellow, Singapore Computer Society
- Member, Technology Committee, Singapore Chinese Chamber of Commerce & Industry (SCCCI)

**This is a non-exhaustive listing*



The SMF Annual General Meeting

The SMF held its second virtual Annual General Meeting (AGM) on 30 September 2021. This being an election year, the AGM was also to announce the Council members for the Council Term 2021 – 2024.

Professor Simon Tay from the Singapore Institute of International Affairs, Mr Ronnie Tan from Central Chambers Law Corporation and Ms Chong Cheng Yuan from RSM Chio Lim LLP, were the Election Committee members for this election. The Chairman of the Election Committee, Professor Simon Tay was present at the AGM to announce the Council members for the term 2021 – 2024.

After the AGM, the Council members for the term 2021 – 2024 held their first Council meeting to elect four Office-Bearers.

The SMF thanks the Council members for the term 2018 – 2021 for their service and support towards the SMF. The SMF also looks forward to working closely with the new Council members and bringing more benefits to our members.



SMF President Mr Douglas Foo (top row, right) who also chairs the AGM 2021, together with SMF Secretary-General Mr Lawrence Pek (top row, left) and SMF Director for Council Affairs Mr Nicholas Ngoh (bottom row).

Dialogue Sessions with the Ministry of Manpower (MOM)

The SMF organises closed-door ministerial dialogue sessions as a platform for our members to converse directly with ministers and government officials to better understand policies and to provide candid feedback on the challenges that the manufacturing industry faces.

In April 2021, the SMF organised a closed-door hybrid dialogue session with the Ministry of Manpower titled “A Conversation with Minister Mrs Josephine Teo, Minister for Manpower”. SMF President Mr Douglas Foo welcomed Ms Gan Siow Huang, Minister of State for Manpower and Education, to the SMF Building in person with 50 other SMF members. Minister Josephine Teo, Mr Zaqy Mohamad, Senior Minister of State for Manpower and Defence, and Mr Shareal Taha, a member of the Government Parliamentary Committee, attended the dialogue session virtually. The dialogue session covered matters such as the reskilling of existing employees, the manpower challenges of the aerospace engineering industry, and, foreign labour.

In November 2021, the SMF also organised a virtual dialogue session with Minister for Manpower and Second Minister for Trade and Industry Dr Tan See Leng and Minister of State for Manpower and Education Ms Gan Siow Huang, which covered issues pertaining to fair employment, foreign talent and attracting the next generation of manpower to the manufacturing sector.

Held at the SMF building and on virtual platforms, these dialogue sessions give our members the invaluable opportunity to hear from Ministers and senior government officials on policy considerations and to get firsthand insight of the manpower landscape in Singapore.



The SMF held a dialogue session with the MOM team in April 2021. Minister of State for Manpower and Education Ms Gan Siow Huang (top image, left) was present at the SMF Building in person to engage with SMF members, while Minister for Manpower Mrs Josephine Teo (top image, right), Senior Minister of State for Manpower and Defence Mr Zaqy Mohamad (right, second image), and Mr Shareal Taha (right, bottom image), a member of the Government Parliamentary Committee, were present virtually.

The SMF held a virtual closed-door dialogue session with Minister for Manpower and Second Minister for Trade and Industry Dr Tan See Leng (third row, middle) and Minister of State for Manpower and Education Ms Gan Siow Huang (third row, second from left) in November 2021.

SMF Sustainability Efforts

As environment, social and governance (ESG) quickly became the buzzword, the SMF quickly set up the Sustainability Task Force within the Secretariat in June 2021 to plan and initiate programmes that will aid companies in their sustainability journey. One such programme was a focus group discussion with SMF members to understand their difficulties in becoming sustainable with their business processes. The Task Force also organised a Beach Cleanup at Changi Beach and a Food Bank Collection to do our small part in cleaning the environment and helping the community respectively.

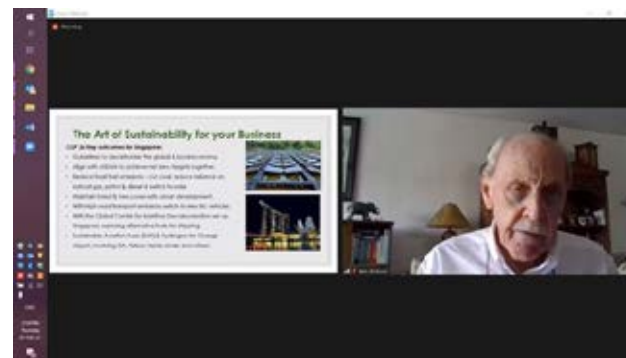
The SMF Centre for Corporate Learning (SMF CCL) also organised an “Implementing Sustainable Manufacturing” workshop in December 2021 for a small group of 12 companies to guide them on ways to embark on their sustainability journey. The SMEC@SMF also held a “SMEC Profitable Sustainability for SMEs Webinar” in February 2022, which covered topics such as Sustainable Financing



SMF Secretariat and Council at the beach cleanup at Changi.



SMF CCL held an “Implementing Sustainable Manufacturing” Workshop.



Mr Ken Hickson, Chairman of Sustain Ability Showcase Asia (SASA), shared “The Art of Sustainability for Your Business” at the webinar “SMEC Profitable Sustainability for SMEs Webinar” by SMEC@SMF.

for SMEs; Improving Sustainability Through NEA’s Energy Efficiency Fund; and, Drawing on the Art of Sustainability for Your Business.

Additionally, the SMF, together with the National Environment Agency, administers the Packaging Partnership Programme (PPP) to engage members on matters relating to reducing packaging waste and how to fulfil mandatory packaging reporting requirements. To date, the PPP has close to 300 members who also benefit from being updated on the latest packaging trends or methods that reduce the amount of packaging materials.

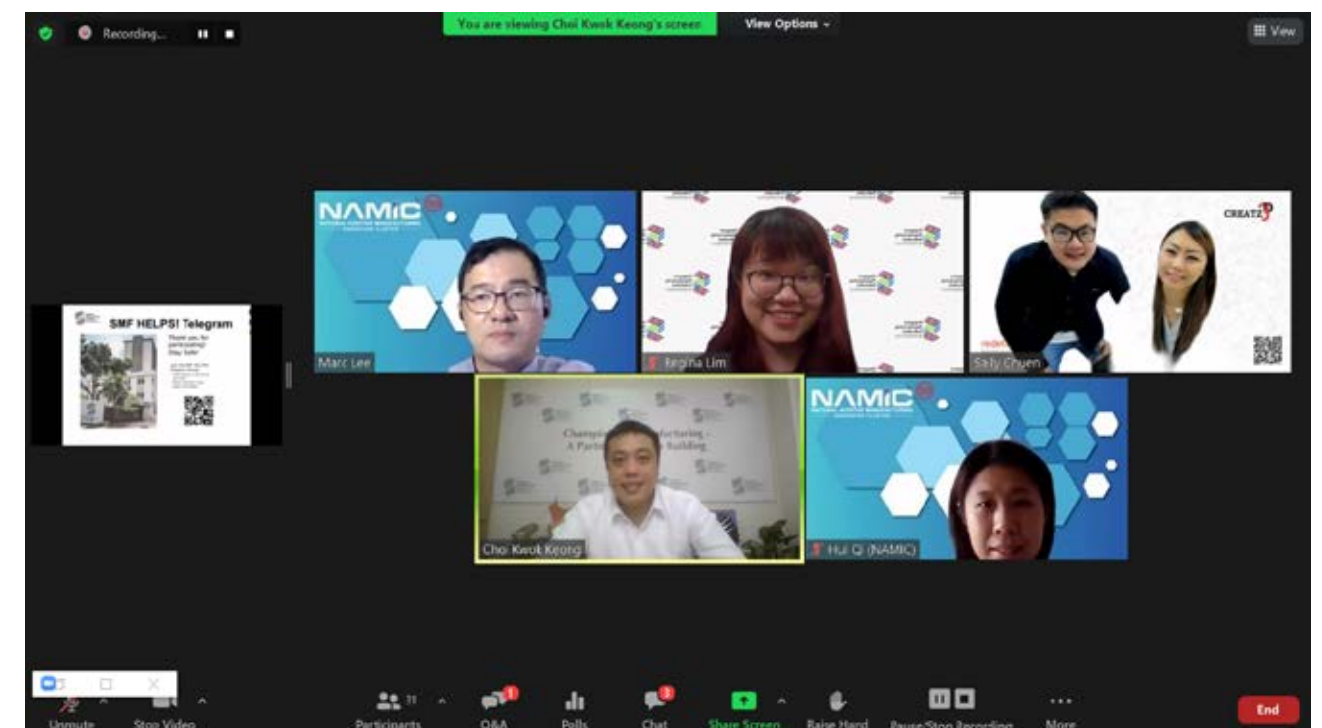
The SMF will continue to plan programmes on sustainability and encourage our member base to embark on sustainable manufacturing.

3D Printing with the SMF

In recent times, the SMF has been encouraging companies to move towards advanced manufacturing. In this regard, the SMF has been engaging companies to establish a growing ecosystem of 3D Printing equipment suppliers and service providers to facilitate the first steps for companies interested to explore advancements in this area.

In May 2021 and August 2021, the SMF organised two 3D Printing webinars with Creatz3D Pte Ltd and the National Additive Manufacturing Innovation Cluster (NAMIC) to promote the adoption of 3D Printing in the manufacturing sector. Creatz3D Pte Ltd demonstrated their equipment capabilities that could provide businesses with 3D Printing abilities. NAMIC shared insightful information on the ESG-NAMIC Open Grant for part analysis and design for Additive Manufacturing. The webinars were a success, with more than 100 individuals from approximately 90 companies attending each webinar.

The SMF hopes to increase the number of adopters of 3D printing technology as we journey towards the future of manufacturing together. To find out about our latest activities in this area please visit our website at <https://www.smfederation.org.sg/3d-printing-services>.



Speakers and SMF Secretariat at the Accelerating Industry Adoption with 3D Printing Grants and Collaboration webinar.

Virtual SAF Day 2021

On 1 July 2021, the SMF organised the SAF Day Combined Rededication Ceremony for the East Zone to commemorate and pay tribute to all SAF servicemen and women who played a part in making Singapore a safer home for all of us. Due to Covid-19 movement restrictions, the 2021 ceremony was held through virtual means.

Representatives from the SMF and the Naval Diving Unit (NDU) observed the SAF Day ceremony held at SAFTI Military Institute from the SMF Building. Personnel from the Singapore Armed Forces (SAF) pledged and reaffirmed their commitment to defending our country. Following the pledge, a one-minute silence was observed to remember SAF personnel who died while serving in the SAF.

It was indeed a meaningful ceremony.



COL Chew Kuok Hsin, Commander of the Naval Diving Unit (NDU) presented a Token of Appreciation to SMF President Douglas Foo in appreciation of SMF's support for the ceremony.



A meaningful ceremony.



Organising Chairman for the SAF Day Rededication Ceremony (East Zone) 2021 Mr Lennon Tan gave his remarks during the SAF Day ceremony.



Reciting the pledge to reaffirm the commitment to defending our country, Singapore.

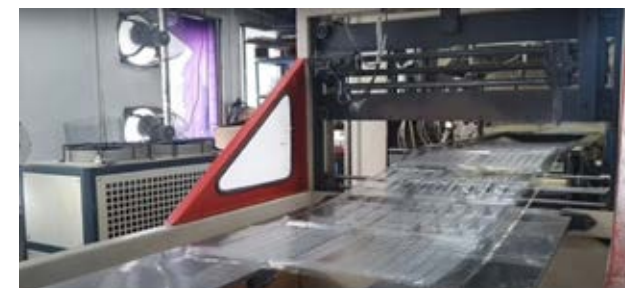


A one-minute silence was observed to remember SAF personnel who died while serving in the SAF.

Members Feature

Since August 2021, the SMF has featured our members across the 10 Industry Groups as part of our members' profiling series. To date, the SMF has featured 15 member companies, showcasing their factories, products and services. Through these videos, the SMF brings to the general public an update of the current manufacturing environment, one that is modern and vibrant landscape, continually transforming for growth.

The products featured ranged from food to skincare, to packaging to precision engineering, which shows the diversity of our member base. If members would like to be featured in the members' feature, please approach the SMF Secretariat for more information.



Some of the technologies and automations featured in the videos.

FORWARD ACROSS BORDERS

Global Business Groups

The SMF's Global Business Groups (GBG) assists members in exploring business opportunities and internationalising their businesses through participation in trade fairs and business missions. The division collaborates with Enterprise Singapore, various embassies, foreign chambers of commerce, business councils and other trade associations to develop cross-border relations, offering trade and investment opportunities for members to capture new market prospects both geographically and in alternative industries. This is with the aim of expanding members' global footprints and strengthening global connections.

TRADE FAIRS

In FY 2021/2022, amidst the Covid-19 pandemic, the SMF led more than 55 local companies to participate in five virtual and hybrid trade fairs within the region. These trade fairs help our local companies increase exposure and connect with both local and international buyers and trade visitors to gain valuable experience and business opportunities, generating over S\$4.7 million in sales revenue for the exhibiting companies.

BuildTech Asia Digital Series 2021

The SMF organised a Singapore Pavilion organised by the SMF at BuildTech Asia Digital Series 2021 for the Building and Construction industry. The Pavilion housed 20 Singapore companies and generated S\$2.6 million worth of sales. The digital series was held from 7 to 8 July 2021 and attracted over 10,000 trade visitors virtually. During the event, three key themes were identified for the next phase of transformation for the building and construction industry – sustainability, automation, and digitalisation.



Exhibitors in the virtual Singapore Pavilion at BuildTech Asia were given a virtual booth that allows them to showcase their services and products through videos and images. Exhibitors could also interact with online visitors in real time.



The 20 Singapore exhibitors that were housed under the virtual Singapore Pavilion at BuildTech Asia.

SEMICON China 2022

Semicon China 2022 was held from 17 to 19 March 2021 in Shanghai, China. It is one of the most comprehensive annual semiconductor technology showcases in China and Asia with over 1,100 exhibitors and more than 90,000 trade professionals. The SMF led 15 Singapore companies to exhibit under the Singapore Pavilion, yielding S\$1.5 million of sales revenue.



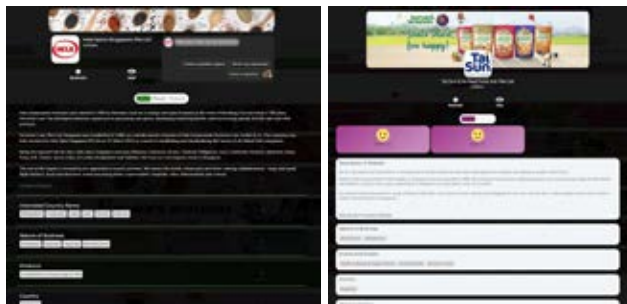
Individual virtual booths were set up for exhibitors to showcase their products and offerings.



15 companies were housed under the Singapore Pavilion organised by the SMF at SEMICON China 2021.

FHA Match 2021

Food & Hotel Asia (FHA) Match is an extension of FHA – Food & Beverage, one of the largest food & beverage trade fairs in the region. FHA Match is a series of virtual events that focused on seven sectors, representing the main product groupings of FHA-Food & Beverage. The SMF led 17 Singapore companies under the Singapore Pavilion that exhibited in four of the seven sectors, namely, Sweet & Snacks, Seafood and Frozen Food, Drinks, as well as, Fine Food, generating over S\$625,000 in sales revenue. FHA Match is an AI platform that focuses on business matching and aims to connect buyers and suppliers through one-to-one chats and video calls.



Exhibitors were given their own page where they could attend to online visitors at real time.



17 companies were housed under the Singapore Pavilion at FHA Match 2021.

Industrial Transformation ASIA-PACIFIC (ITAP) 2021

The Industrial Transformation Asia-Pacific (ITAP) trade show was held from 22 to 24 November 2021. As one of the flagship I4.0 events in the region, ITAP 2021 attracted over 11,000 attendees (with 3,600 physical visitors) from 70 countries in 3 days. As part of our efforts in encouraging SMF members to explore and adopt I4.0 products and services, the SMF organised 10 groups of over 120 trade buyers to visit ITAP physically.



SMF Secretary-General Mr Lawrence Pek with some of the trade buyers at ITAP 2021.



The SMF led 10 groups of trade buyers to visit the physical booths at ITAP 2021.

VISITS FROM VIPS AND DIGNITARIES

The SMF receives VIP delegates, dignitaries, business delegations and ambassadors at the SMF Building to build and foster close international relationships to facilitate members' overseas business interests. For this financial year, the SMF received 12 VIPs, despite travel restrictions due to COVID-19. Through these visits, the SMF connects with international bodies, helping the local manufacturing community advance into other markets.



1. **14 April 2021** Chief Representative of Vietcombank Singapore, Ms Hoang Minh Trang
2. **15 April 2021** Ambassador Extraordinary and Plenipotentiary of the Socialist Republic of Vietnam to the Republic of Singapore, Her Excellency Tao Thi Thanh Huong
3. **17 June 2021** Ambassador of the Republic of Turkey to the Republic of Singapore, His Excellency Mehmet Burçin Gönenli (middle)
4. **21 July 2021** Ambassador Extraordinary and Plenipotentiary of the Socialist Republic of Viet Nam to Singapore, His Excellency Mai Phuoc Dung (extreme left, seated)
5. **18 November 2021** The High Commissioner of the Republic of Rwanda, His Excellency Jean de Dieu Uwihanganye (extreme right, front row), Policy Coordinator at the Office of the President of the Republic of Rwanda, Ms Julianna Muganza (second from left, front row), and Deputy Chief Executive Officer of Rwanda Development Board, Mr Zephania Niyonkuru (second row, middle)
6. **29 November 2021** Ambassador of the Argentine Republic to Singapore, His Excellency Mauricio Nine (seated, second from left)

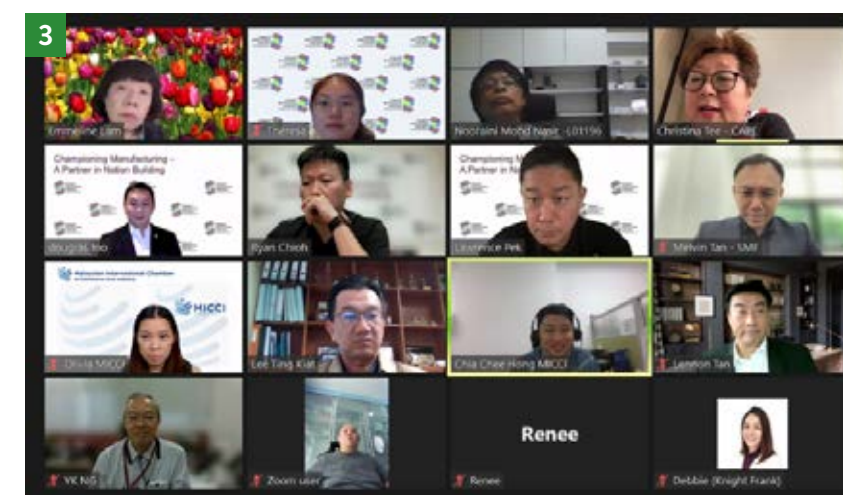
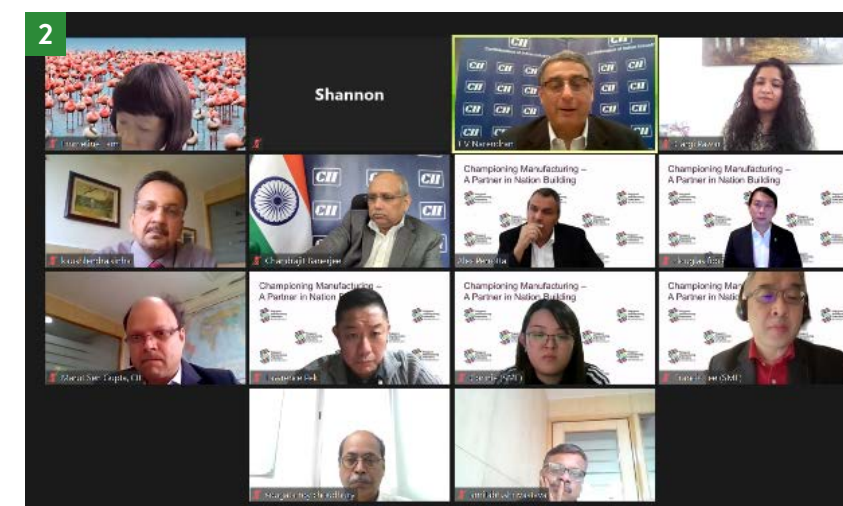
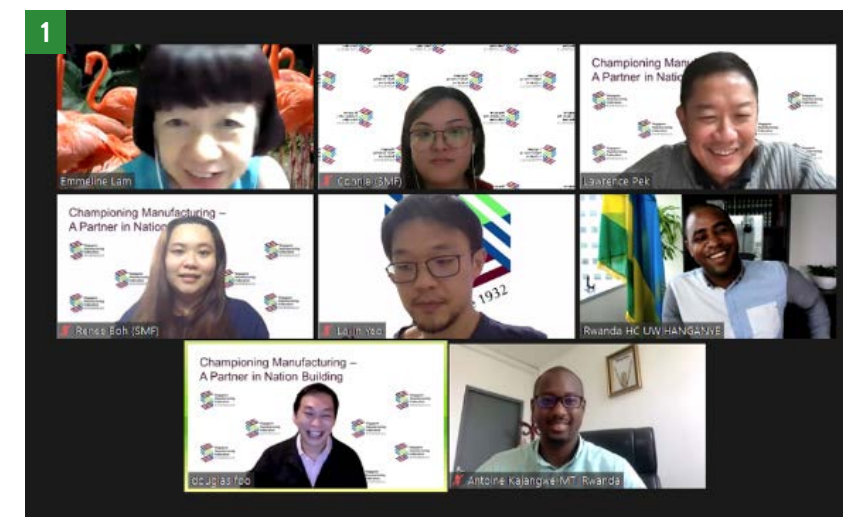


7. **7 December 2021** Ambassador of the European Union to Singapore, Her Excellency Mrs Iwona Daria Piórkó Bermig (front row, middle)
8. **9 December 2021** The Ambassador of the Kingdom of Belgium, Her Excellency Colette Taquet (third from left)
9. **21 January 2022** Ambassador of the Italian Republic, His Excellency Mario Andrea Vattani (first row, second from left)

10. **3 February 2022** Ukraine Ambassador to Singapore, Her Excellency Kateryna Zelenko (first row, second from left)
11. **8 February 2022** The Ambassador of the Hashemite Kingdom of Jordan, His Excellency Samer Anton Naber (front row, middle)
12. **10 February 2022** Ambassador of the Republic of Korea to the Republic of Singapore, His Excellency Choi Hoon (seated, middle)

CROSS-BORDER BUSINESS MEETINGS

Through business meetings and discussions, the SMF enhanced its connections with international bodies to help local manufacturers explore mutually beneficial collaboration opportunities with overseas counterparts as they go forward and advance into other markets.



1. **4 June 2021** The SMF had a virtual meeting with High Commissioner of the Republic of Rwanda to Singapore His Excellency Jean de Dieu Uwihanganye (second row, extreme right). The key objective of this meeting was to strengthen the working relations between Singapore and Rwanda and to take this opportunity to look at some of the potential areas of collaboration.
2. **10 August 2021** The SMF team met with the President of the Confederation of Indian Industry (CII) Mr TV Narendran (top row, second from right) and his team virtually to discuss possible collaborations between the organisations. Some of the areas of collaborations they discussed include how SMF members can assist in providing Industry 4.0 solutions to CII members, and how CII and the SMF can support in promoting complementary partnerships between India and Singapore companies for possible joint pursuit of opportunities in the ASEAN region.
3. **10 November 2021** SMF's Council members and SMF Secretary-General Mr Lawrence Pek (second row, second from right) met the Chairman of the Malaysian International Chamber of Commerce & Industry Ms Christina Tee (top row, extreme right) and her team where they updated and discussed the COVID situation in Singapore and Johor. They also shared feedback from their respective members on the impact of COVID on their businesses and updated on how SMF and MICCI are assisting their respective members during this COVID period.

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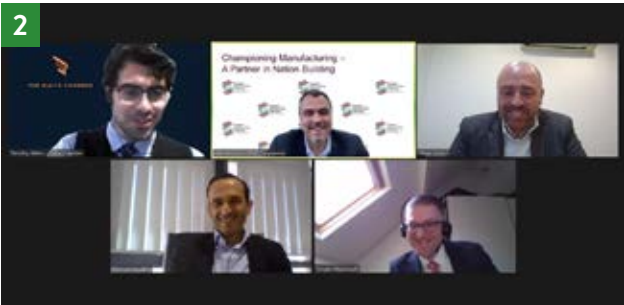
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4. **1 December 2021** A virtual meeting was held with Chairman of Kansai Economic Federation Mr Masayoshi Matsumoto (top row, middle) and his team to update on the recent developments of the Asian Business Creation (ABC) platform as well as the COVID situation at the respective countries.
5. **25 February 2022** In collaboration with the Foreign Investment Agency of Vietnam (FIA), the SMF held the “Vietnam-Singapore Roundtable Business Dialogue” to promote business alliances between Vietnam and Singapore.
- The Vietnam delegation, led by Director General of the Foreign Investment Agency of the Socialist Republic of Vietnam Mr Do Nhat Hoang, met with the SMF team and had a fruitful discussion that focused on training and upskilling of the human capital to navigate the competitive business landscape as well as to adapt to rapid technological changes.

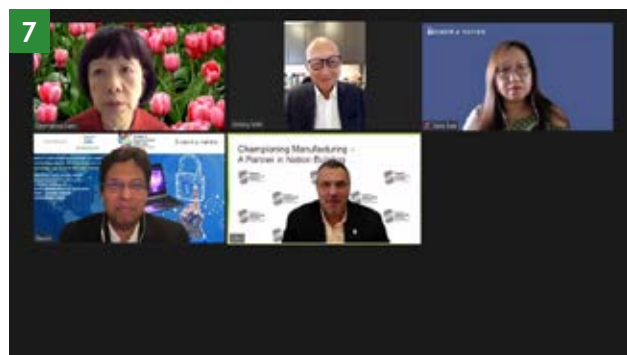
CROSS-BORDER SEMINARS AND WEBINARS

The SMF organises seminars and conferences to share business knowledge with participants and update them on the latest policies, free trade agreements, and investment opportunities to guide them into other markets with ease.



1. **8 April 2021** The SMF co-organised a Zoom webinar with the Embassy of the Republic of Indonesia in Singapore, Indonesia Investment Coordinating Board (BKPM) and Bank Indonesia on “Investment Opportunities in Batang Integrated Industrial Estate, Central Java”.
- The webinar explored the investment opportunities in Batang Industrial Estate and the infrastructure support in Central Java.
2. **14 April 2021** The SMF in partnership with Enterprise Europe Singapore (EEN Singapore) and The Malta Chamber jointly organised a webinar on Re-Engineering the Manufacturing for the Singapore Manufacturing Industry.
- The webinar discussed how manufacturing companies can use Industry 4.0 principles to shift a significant portion of their labour costs to new and more productive projects.
3. **14 April 2021** The SMF was invited to give a speech at an online pre-mission webinar session organised by the Department For International Trade (DIT) to provide insights, analytics and tips on what business opportunities there are in Singapore and how to do business in Singapore before embarking on their mission trip.
4. **15 April 2021** EU Trade and Economic Counsellors organised a Hybrid Meeting for a presentation on EEN Singapore’s activities and report on EEN Singapore’s Achievements and Track Record.





5. **15 April 2021** The SMF in partnership with the Trade Office of the Vietnam Embassy in Singapore (VTO), and the Trade Promotion Agency under Vietnam's Ministry of Industry and Trade, organised a Zoom webinar forum on "Invest in Vietnam, A Focus on Industrial Opportunities with provinces in Vietnam". The webinar allows companies to learn about the latest updates on Vietnam's manufacturing policy and business opportunities to invest in key provinces such as Nghe An, Vinh Long, Kien Giang, An Giang and Dong Thap.

6. **28 April 2021** The SMF, in partnership with EEN Singapore and The Malta Chamber, jointly organised a webinar on Re-Engineering the Retail Sector for the New Norm.

The webinar discussed topics such as what retail companies can do during the current COVID-19 situation to stay relevant, how COVID-19 has affected the Retail Sector in Europe and Singapore, the evolving legal environment in the European Retail and how Artificial Intelligence plays an important role in the future of the retail sector.



7. **16 June 2021** The SMF, in collaboration with Drew and Napier LLC, organised a Zoom webinar on "What you always wanted to know about PDPA and GDPR".

The webinar discussed the overview of key principles and obligations relating to protection of personal data under Singapore's Personal Data Protection Act (PDPA), an overview of the requirements of EU's General Data Protection Regulation (GDPR), cross-border data

protection issues under the PDPA and GDPR, handling a data breach and data breach notification.

8. **23 June 2021** The SMF, in partnership with the Presidency of the Turkey Investment Office and the Embassy of Republic of Turkey in Singapore organised a virtual webinar on "Turkey: Your Regional Hub to connect Europe and Asia".

The webinar outlined the latest information on Turkey's manufacturing specific investment climate and business practices.

9. **26 July 2021** The SMF, in partnership with the High Commission of the Democratic Socialist Republic of Sri Lanka, the Board of Investment of Sri Lanka, the Export Development Board and the Singapore Sri Lanka Business Association, jointly organised a Zoom webinar on Sri Lanka as a Potential Alternative Manufacturing Hub.

The webinar provided a better understanding of the business potentials in Sri Lanka that can facilitate business expansion overseas.

NCPA WEBINAR SERIES 南洋公共管理研究生院网络研讨会系列

INVESTMENT AND DEVELOPMENT OPPORTUNITIES IN THE YANGPU PILOT ZONE OF HAINAN FREE TRADE PORT
海南自贸港洋浦先行区的投资与发展机遇
26 AUGUST 2021, 9.30AM - 11.00AM

Hainan is China's largest special economic zone. The prospects here are bright and business opportunities are unlimited. The Hainan Free Trade Port is the star in this largest special zone, and it is a major move by China to continuously deepen reforms and experiment with the highest level of openness policies. Lien Ying Chow Legacy Fellowship of Nanyang Technological University, together with the Management Committee of Yangpu Economic Development Zone of Hainan Free Trade Port and the Singapore Manufacturing Federation, introduce to Singapore companies the investment and development opportunities of the Free Trade Port and the Yangpu Pilot Zone, and the development of industrial clusters, to show a broader development horizon for Singapore enterprises.

海南是中国最大的经济特区。这里前景光明，商机无限。海南自由贸易港是这个最大特区中的明星。是中国不断深化改革开放和试验最高水平开放政策的重大举措。林应超陈维禧工大学南洋纪念奖学金基金会和海南自贸港洋浦经济开发区管理委员会和海南制造业联合会，向新加坡企业介绍自贸港以及洋浦先行区的投资发展机遇和区内的产业集群发展。为展示企业更广阔一个更广阔的发展天地。

SPECIAL GUEST 特别嘉宾
Ms. Zhong Manying
钟景英女士
Minister Counsellor,
Economic and Commercial Office,
Chinese Embassy in Singapore
中国驻新加坡大使馆经济商务处
公参处参赞

SPEAKERS 演讲嘉宾
Prof. Liu Hong
刘宏教授
Executive Director,
Lien Ying Chow Legacy Fellowship
林应超纪念奖学金执行主任
Mr. Douglas Foo
符标诚先生
President,
Singapore Manufacturing Federation
新加坡制造业联合会会长
Mr. Zhou Junping
周军平先生
Party Secretary,
Working Committee of Yangpu
Economic Development Zone,
Hainan Free Trade Port
海南自贸港洋浦经济开发区
工委副书记
Mr. Wu Chuan
武川先生
Deputy Director-General,
Taiwan Provincial Bureau of
International Economic Development
台湾国际经济交流发展局
副局长兼
Yangpu International Investment
Consulting Co., Ltd.
洋浦国际投资咨询有限公司
董事长、总经理

REGISTER NOW 注册参会
<https://bit.ly/2X2hd27>

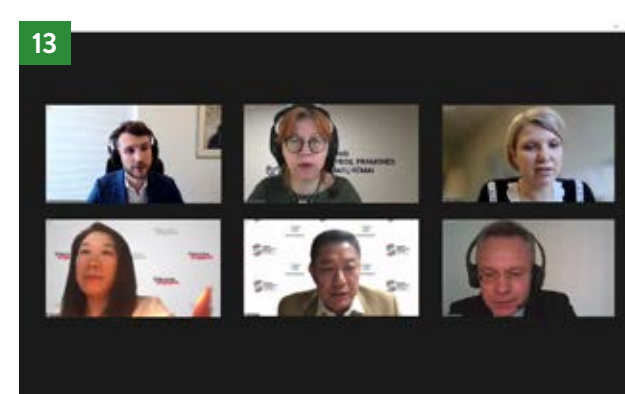
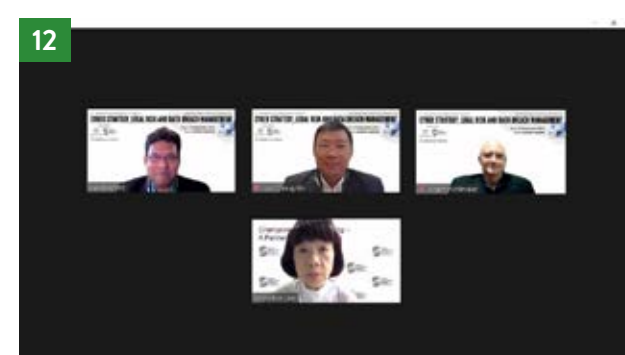
PLATFORM 网络平台
ZOOM

LANGUAGE 研讨会语言
English, Chinese (Simultaneous interpretation provided)

10. **26 August 2021** The SMF, together with Lien Ying Chow Legacy Fellowship of Nanyang Technological University and Management Committee of Yangpu Economic Development Zone of Hainan Free Trade Port, supported the Nanyang Centre for Public Administration (NCPA) Webinar Series: Investment and Development Opportunities in the Yangpu Pilot Zone of Hainan Free Trade Port. The web series introduced Singapore companies to the investment and development opportunities of the Free Trade Port and the Yangpu Pilot Zone, and the development of industrial clusters, to provide a broader development horizon for Singapore enterprises.

11. **28 August 2021** The SMF was represented by SMF President Mr Douglas Foo as a Guest of Honour of the webinar on "Understand FTAs to better access EU and UK markets – Collaboration's opportunities between Singaporean and Vietnamese businesses".

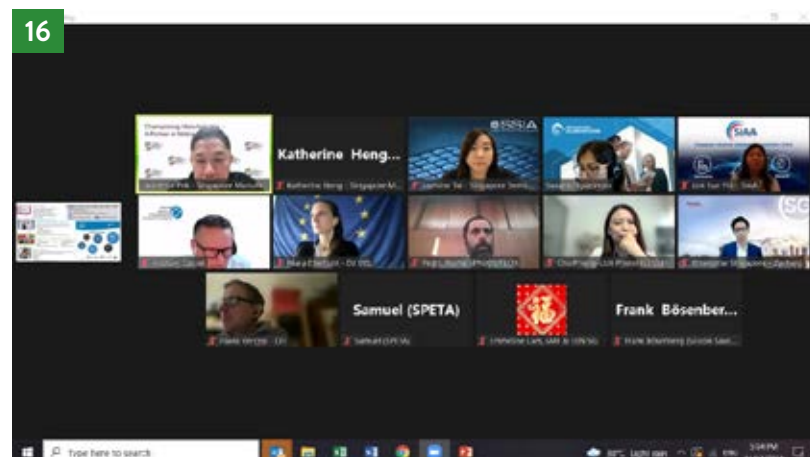
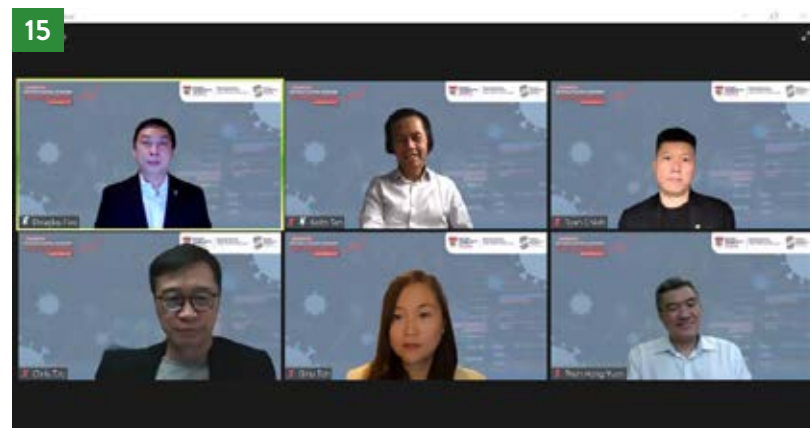
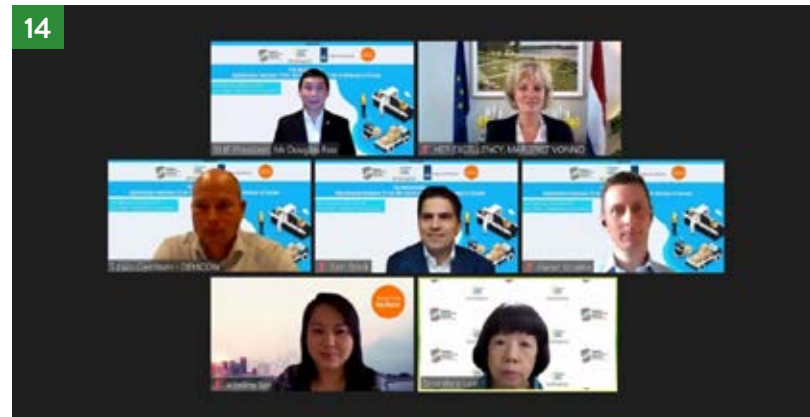
The Webinar was organised to allow Singaporean businesses gain a better understanding on Vietnam food



- industry and how they can collaborate with Vietnamese food companies to reap benefits from the FTAs with EU and UK, such as making use of the annual quota for Asian food products with specialised rules of origin stipulated in the EUSFTA and UKSFTA.

12. **15 September 2021** The SMF, in partnership with Drew and Napier LLC, organised a Zoom webinar on "Cyber Strategy, Legal Risk and Data Breach Management". The webinar explored key strategic considerations in cybersecurity preparation and responses from a practical perspective, which included legal risks, developing a cyber strategy and data breach management.

13. **7 October 2021** The SMF was represented by SMF Secretary-General Mr Lawrence Pék at the EEN webinar on "Business Opportunities in Singapore". In his speech, he encouraged Lithuanian companies to collaborate with Singapore SMEs to leverage on the growing ASEAN market.



14. **13 October 2021** The SMF, together with EEN Singapore, in partnership with the Embassy of the Kingdom of the Netherlands and Netherlands Foreign Investment Agency (NFIA), jointly organised a Zoom webinar on “The Netherlands: Digitalisation Solutions Fit for the Future and its’ role as Gateway to Europe”.

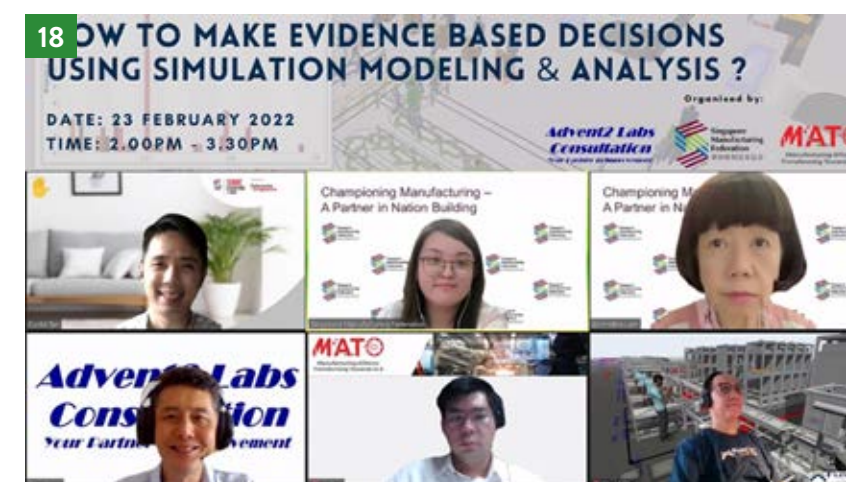
During the webinar, attendees learnt how to incorporate the Dutch Smart Industry into their business model to give their company a competitive advantage through information, digitisation, and supply chain solutions that will improve quality, flexibility, automation, value chain participation, and customer interaction.

15. **28 October 2021** The SMF and NCPA jointly hosted a Webinar Series on “Dialogue on Restructuring Economy for Recovery – Post COVID-19”. The webinar series focused on tourism, services and logistics hopes to bring together policymakers and business leaders to discuss and deliberate on issues with regards to restructuring and recovery post COVID-19.

16. **8 to 12 November 2021** EEN Singapore, together with the rest of the clusters under the EEN and the European Cluster Collaboration Platform (ECCP), facilitated the “EU-Singapore Matchmaking” event, which was jointly organised by Enterprise Singapore and The European Commission (EC). The event was also supported by the EU Delegation to Singapore and the Singapore Ministry of Trade and Industry (MTI).

17. **8 December 2021** The SMF, together with EEN Singapore and Drew & Napier LLC organised a Zoom webinar on “SPAC vs IPO – When it makes sense to do it and how is Singapore prepared for this”.

The webinar session provided an in depth understanding about Initial Public Offering (IPO) and Special Purpose Acquisition Company (SPAC) to companies who were



18. **23 February 2022** The SMF together with Advent2 Labs organised a Zoom webinar session on “How to make evidence-based decisions using simulation modelling & analysis?”

The webinar covered the fundamental first steps of all problem-solving methodologies and proper diagnosis of the problem.

19. **2 March 2022** The SMF, in partnership with the Embassy of Colombia in Singapore and PROCOLOMBIA Singapore, organised a webinar on “Colombia – Your Investment Destination for Your Business Expansion”.

The webinar provided insights on investment and business opportunities in Colombia for the companies that want to expand their company to Colombia. The webinar also share Colombia’s economic outlook, the manufacturing sector in Colombia, and the recent announcement of the Pacific Alliance – Free Trade Agreement (PASFTA). Testimonials from companies that have successfully gain a market share in Colombia were also presented to the attendees.

20. **3 March 2022** The SMF collaborated with Epicor Software to organised a webinar on “Business Resurgence with Digital Transformation”.

The webinar covered the importance of enhancing growth and improve profitability through digital technologies. Technologies such as cloud, IoT, mobility, analytics, and AI combined with human ingenuity are accelerating business transformation by allowing companies to challenge the status quo and unlocking the potentiality of various industries.

SIGNING OF MEMORANDUMS OF UNDERSTANDING

The SMF signed Memorandums of Understanding (MOUs) with strategic partners overseas to support members in their expansions to overseas markets.

- 1. **18 February 2022** The SMF signed a MOU with the Italian Trade Agency (ITA) to strengthen business relations and provide more opportunities for SMF members to trade in Italy. The Ambassador of the Italian Republic to Singapore His Excellency Mario Andrea Vattani represented ITA in the MOU signing, while SMF Vice President Mr Alessandro Perrotta represented the SMF. Undersecretary of State for Foreign Affairs of the Italian Republic, The Honourable Manlio Di Stefano and SMF Vice President Mr Poh Choon Ann were the witnesses for the MOU signing.
- 2. **18 February 2022** The SMF signed a MOU with Hong Lai Huat Group Limited to promote agriculture and business investments opportunities with Cambodia-Singapore Agricultural Hub (CSAH). SMF Secretary-General Mr Lawrence Pek signed the MOU in Singapore and was livestreamed in Cambodia. (Image credit: EACNEWS)
- 3. **25 February 2022** The SMF signed a MOU with the Provincial People’s Committee of Quang Nam to facilitate business relations between SMF members and companies in Quang Nam province, Vietnam
- 4. **25 February 2022** The SMF signed an MOU with the People’s Committee of Nghe An Province to provide opportunities for SMF members to invest and trade in Nghe An Province, Vietnam. The MOU was signed between then SMF President Mr Douglas Foo and Chairman of the People’s Committee of Nghe An Province Mr Nguyen Duc Trung.



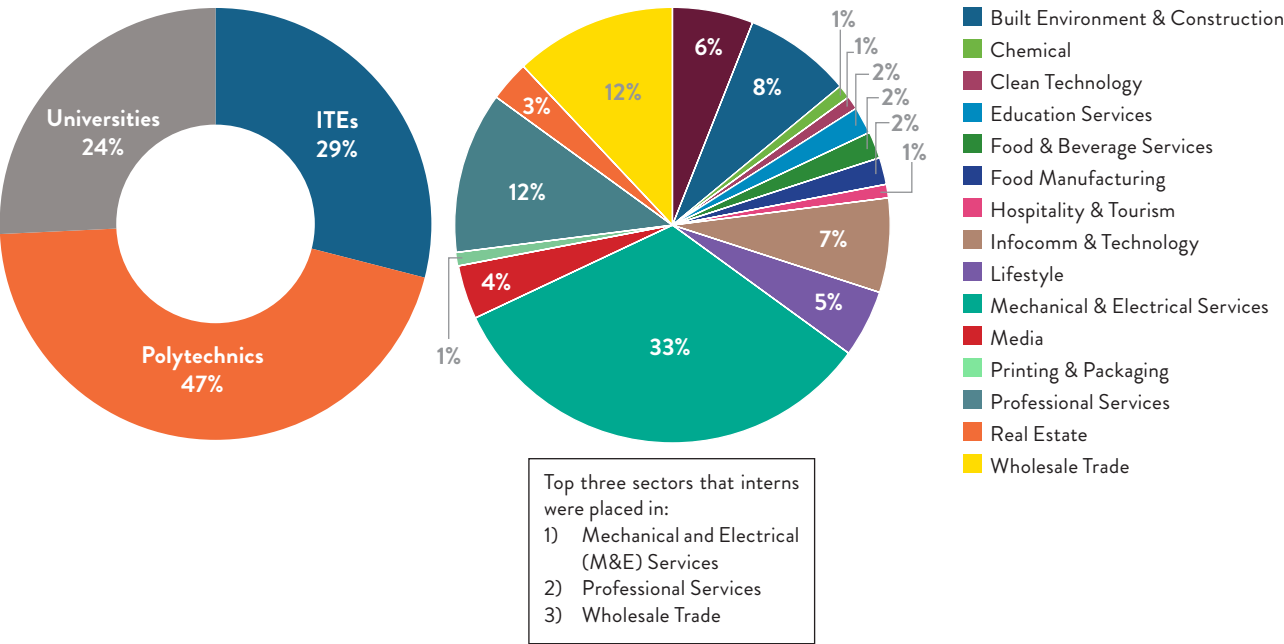
Global Ready Talent

The SMF is one of eight Approved-In-Principle (AIP) partners of Enterprise Singapore to promote and manage the Global Ready Talent (GRT). The GRT facilitates Singaporean/Singapore Permanent Resident undergraduate students from Institutes of Higher Learning (IHL) in Singapore to perform their internships in local and overseas companies.

For this Financial Year, the GRT supported 1,215 local and overseas internships. 301 companies participated in the GRT, with 94% of the companies being SMEs*.

*<200 staff OR <\$100m revenue

STUDENT DEMOGRAPHICS FROM DIFFERENT IHL LEVELS



ENGAGEMENTS WITH INSTITUTES OF HIGHER LEARNING (IHL)

The SMF engaged with Ngee Ann Polytechnic (NP), Singapore Polytechnic (SP), and Temasek Polytechnic (TP) through various site visits to discuss possible collaboration opportunities and MOU signing.



SMF Secretary-General Mr Lawrence Pek (third from left, seated) visited NP on 9 April 2021. Both the SMF and NP teams discussed topics such as how the SMF can work with NP to improve Singapore’s manufacturing ecosystem through the development of young talents, the possibility of using programmes such as the GRT programme as a starting platform, and entrepreneurship support for start-ups by connecting young entrepreneurs with SMF member companies for business collaboration opportunities.



SMF Youth Network Chairman Mr Eugene Yoo and SMF Secretary-General Mr Lawrence Pek co-lead a secretariat team to visit TP’s Advanced Manufacturing Centre on 4 February 2022. Two of the discussion topics were on student internships and possible MOU signing with TP to collaborate to enhance a young talent pipeline for the manufacturing sector.



SMF Secretary-General Mr Lawrence Pek visited SP on 21 April 2021. During the visit, SP showcased its Advanced Manufacturing Centre (AMC) and discussed possible collaboration with the SMF to contribute to the learning journey of young talents in the manufacturing sector.

FIRESIDE CHAT SESSIONS WITH IHLs

The SMF collaborated with Nanyang Technological University (NTU), SP, and TP to hold online fireside chat sessions on the topic “The Future of Manufacturing”. These sessions provided students with the current outlook of Singapore’s manufacturing sector and the technological advances in the industry. The students also gained insights into the business and career opportunities in Singapore’s manufacturing industry.



SMF Secretary-General Mr Lawrence Pek gave an address on “The Future of Manufacturing” to students from various faculties interested in understanding Singapore’s manufacturing sector. Held on 17 August 2021, the fireside chat session also had a Q&A session where students posed their questions to Mr Pek, such as his manufacturing experience and concerns about job opportunities in industries such as precision engineering.



The SMF organised a fireside chat session with SP on 3 November 2021 where SMF Secretary-General Mr Lawrence Pek shared “The Future of Manufacturing” to SP students interested in understanding Singapore’s manufacturing sector. This fireside chat also had an online factory tour of a Singapore company in China to showcase the latest technology in the manufacturing sector.



The SMF held a fireside chat session with TP on “The Future of Manufacturing” on 8 November 2021. SMF Secretary-General Mr Lawrence Pek provided his insights on the future of manufacturing, where emphasis will be on sustainability, GiG economy, digitalisation and advanced manufacturing. This session also had Smart Automation Chairman Mr David Chia in attendance.

SHARING SESSION WITH NTU

The SMF collaborated with NTU for a sharing session on 3 February 2022 to share the available internship programmes with the SMF’s engineering cluster members. This session saw members expressing their interest in engaging with young talents from NTU, giving these young talents first-hand experience in the manufacturing environment.



Sharing by NTU Career & Attachment Office Director Mr Loh Pui Wah (left) and SMF GRT Manager Ms Michelle Zheng (right) to SMF engineering cluster members.

List of SMF Partners

Singapore Partner Organisations

1.

Africa-South East Asia Chamber of Commerce
2.

American Chamber of Commerce in Singapore
3.

American Society of Transportation and Logistics
4.

Association for the Advancement of Medical Instrumentation
5.

Association of Banks in Singapore
6.

Association of Small and Medium Enterprises (ASME)
7.

Australian Alumni Singapore
8.

British Chamber of Commerce
9.

Canadian Chamber of Commerce in Singapore
10.

China Enterprises Association
11.

Consumers Association of Singapore (CASE)
12.

DBS Bank
13.

Design Business Chamber Singapore (DBCS)
14.

Economic Development Board (EDB)
15.

Employment and Employability Institute Pte Ltd (e2i)
16.

Enterprise Singapore
17.

European Chamber of Commerce, Singapore
18.

European Union Delegation in Singapore
19.

EXPERIAN
20.

Food Industry Asia (FIA)
21.

Food Innovation and Resource Centre, Singapore Polytechnic (FIRC)
22.

French Chamber of Commerce in Singapore
23.

Health Promotion Board (HPB)
24.

Infocomm Media Development Authority (IMDA)
25.

Innovation Partner for Impact (IPI Singapore)
26.

Institute of Engineers, Singapore
27.

Institute of Singapore Chartered Accountants
28.

Institute of Technical Education (ITE)
29.

Italian Chamber of Commerce in Singapore
30.

Intellectual Property Office of Singapore (IPOS)
31.

iSmart Advanced Manufacturing Solutions (iSAMS)
32.

Japanese Chamber of Commerce and Industry Singapore
33.

JTC Corporation
34.

Korean Chamber of Commerce (Singapore)
35.

LASALLE College of the Arts
36.

Ministry of Education (MOE)
37.

Ministry of Manpower (MOM)
38.

Ministry of the Environment and Water Resources (MEWR)
39.

Ministry of Trade and Industry (MTI)
40.

Nanyang Academy of Fine Arts (NAFA)
41.

Nanyang Polytechnic (NYP)
42.

Nanyang Technological University (NTU)
43.

Nanyang Technological University Student Union (NTUSU)
44.

National Environment Agency (NEA)
45.

National Trades Union Congress (NTUC)
46.

National University of Singapore (NUS)
47.

New Zealand Chamber of Commerce (Singapore)
48.

Ngee Ann Polytechnic (NP)
49.

NTUC Learning Hub Pte Ltd
50.

Procolombia Commercial Office in Singapore
51.

Real Estate Developers’ Association of Singapore
52.

Republic Polytechnic (RP)
53.

Restaurant Association of Singapore
54.

RHB Singapore
55.

SGTech
56.

Singapore Institute of Manufacturing Technology (SIMTech)
57.

Singapore Armed Forces (SAF)
58.

Singapore Association for Private Education (SAPE)
59.

Singapore Business Advisors and Consultants Council (SBACC)
60.

Singapore Business Federation (SBF)
61.

Singapore Chinese Chamber of Commerce and Industry (SCCCI)
62.

Singapore Computer Society
63.

Singapore Contractors Association Limited
64.

Singapore Corporation of Rehabilitative Enterprises (SCORE)
65.

Singapore Environment Council (SEC)
66.

Singapore Food Manufacturers’ Federation (SFMA)
67.

Singapore Hotel Association
68.

Singapore Indian Chamber of Commerce and Industry (SICCI)

- 69. Singapore Industrial Automation Association (SIAA)
- 70. Singapore Institute of Management (SIM)
- 71. Singapore Institute of Technology (SIT)
- 72. Singapore International Chamber of Commerce (SICC)
- 73. Singapore Logistics Association (SLA)
- 74. Singapore Malay Chamber of Commerce and Industry (SMCCI)
- 75. Singapore Management University (SMU)
- 76. Singapore National Employers Federation (SNEF)
- 77. Singapore Police Force (SPF)
- 78. Singapore Polytechnic (SP)
- 79. Singapore Precision Engineering & Technology Association (SPETA)
- 80. Singapore Press Holdings
- 81. Singapore Retailers Association
- 82. Singapore Shipping Association

Overseas Partner Organisations

AMERICAS

- | | |
|---|---|
| 1. Banco Adolpho Oliveria (represent the Central East Trade Corridor; CETRAC) | 13. Procolombia Singapore |
| 2. Camara de Comercio Brasil – Cingapura | 14. Sociedad De Fomento Fabril |
| 3. Camara de Comercio Exterior de Cordoba | 15. The Chamber of Commerce of Lima, Peru |
| 4. Camara Nacional de la Industria de Transformacion | 16. U.S. Department of Commerce (International Trade Administration) |
| 5. Canadian Manufacturer’s Association | 17. Union Industrial Argentina |
| 6. Chamber of Industries of Costa Rica (CICR) | 18. The Association for the Advancement of Medical Instrumentation of United States (AAMI) |
| 7. Confederacion de Camaras Industriales de los Estados Unidos Mexicanos | 19. Trinidad & Tobago Manufacturers’ Association |
| 8. Confederation College | 20. The Mexican Businessmen’s Council for International Affairs (Consejo Empresarial Mexicano Para Asuntos Internacionales) |
| 9. Confederation of Industrial Chambers of Mexico (CONCAMIN) | 21. The Dade Country Beacon Council |
| 10. Corredor Centroleste | 22. The Sociedad de Fomato Fabril (SOFOFA), Chile |
| 11. Guadalajara National Chamber of Commerce of Mexico | |
| 12. Oklahoma Alliance for Manufacturing Excellence, Inc. | |

EUROPE

- | | |
|--|---|
| 1. Barcelona Centre de Disseny (Barcelona Design Centre, BCD) | (VNO-NCW) |
| 2. Bulgarian Chamber of Commerce and Industry | 11. Croatian Chamber of Commerce |
| 3. Camera De Comert Si Industrie Cluj | 12. European Cluster Collaboration Platform |
| 4. Chamber of Commerce & Industry for Bedfordshire & District | 13. Farindustria, Italy |
| 5. Chamber of Commerce & Industry of Brasov | 14. Federation of Belgian Enterprises VBO – FEB |
| 6. Chamber of Commerce and Industry of Romania and of Bucharest Municipality | 15. Federation of Hungarian Industrialists |
| 7. Confederation of Hungarian Employers and Industrialists (MGYOSZ) | 16. Hungarian Chamber of Commerce |
| 8. Confederation of Industry of the Czech Republic | 17. Independent Industrialists and Businessmen’s Association (MUSIAD) |
| 9. Confederation of Italian Industries (Confindustria) | 18. Italian Trade Agency |
| 10. Confederation of Netherlands Industry and Employers | 19. Netherlands Foreign Investment Agency (NFIA) |
| | 20. Presidency of the Turkey Investment Office |
| | 21. Romania Prahova County Chamber of Commerce |
| | 22. ROSTEC State Corporation |

- 23. Russia-Singapore Business Council
- 24. Scottish Enterprise
- 25. SEV Hellenic Federation of Enterprises

ASEAN, AUSTRALIA & OCEANIA

- | | |
|--|---|
| 1. Australian Chamber of Manufacturers | 18. Makati Business Club |
| 2. Bank of Indonesia | 19. Malaysia International Chamber of Commerce and Industry (MICCI) |
| 3. Batam Industrial Development Authority | 20. Massey University |
| 4. Board of Investment of Sri Lanka | 21. Metal Trades Industry Association of Australia (MTIA) |
| 5. Cambodia Chamber of Commerce and Industry | 22. Myanmar Industries Association |
| 6. Chinese Filipino Business Club, Inc (CFBCI) | 23. Nghe An Province of Vietnam |
| 7. Da Nang People’s Committee | 24. People’s Committee of Quang Binh Province, Vietnam (Quang Binh PPC) |
| 8. Department of Science, Education, Natural Resources and Environment, Ministry of Planning and Investment of Vietnam | 25. People’s Committee of Yen Bai Province of Vietnam |
| 9. Federation of Malaysian Manufacturers | 26. People’s Council of Can Tho City of Vietnam |
| 10. Federation of Thai Industries (FTI) | 27. Philippine Economic Zone Authority (PEZA) |
| 11. Foreign Investment Agency of Vietnam Ministry of Planning and Investments | 28. Philippines Chambers of Commerce and Industry |
| 12. Indonesia Investment Coordinating Board (BKPM) | 29. Phnom Penh Chamber of Commerce |
| 13. Indonesian Chamber of Commerce & Industry of North Sumatra | 30. Quang Nam Province of Vietnam |
| 14. KADIN TK. I Sumatera Utara Perwakilan Kotamadya Medan (KADINDA Medan) | 31. Quezon Chamber of Commerce & Industry |
| 15. Kamar Dagang Dan Industri – KADIN (Indonesia Chamber of Commerce and Industry) | 32. Salim Group of Companies |
| 16. Kamar Dagang Industri Jawa Barat (Chamber of Commerce and Industry of West Java) | 33. Thai Binh Province People’s Committee of Vietnam |
| 17. Kamar Dagang Industri Sumatera Barat (Chamber of Commerce and Industry of West Sumatra) | 34. Timor-Leste TradelInvest Agency |
| | 35. Vietcombank HQ, Hanoi |
| | 36. Vietnam Association of Small and Medium Enterprises (VINASME) |
| | 37. Vietnam Chamber of Commerce & Industry (VCCI) |

CHINA & NORTH EAST ASIA

- | | |
|--|--|
| 1. Asia Business Creation (ABC) Platform of Kankeiren | 17. Ishikawa Machinery and Electronic Association |
| 2. China-ASEAN Business Council | 18. Japan Productivity Centre |
| 3. China Association of Industrial Economics (CAIE) | 19. Jiangsu Federation of Chamber of Commerce and Industry |
| 4. China Council for the Promotion of International Trade Shandong Committee | 20. Kanagawa Prefectural Government |
| 5. China (Guangdong) Pilot Free Trade Zone Nansha Area of Guangzhou | 21. Kansai Economic Federation |
| 6. China National Chemical Information Center | 22. Korea Federation of SMEs of the Republic of Korea (KBIZ) |
| 7. China Wuhan General Chamber of Commerce | 23. Nakao Fusion Institute |
| 8. China-ASEAN Expo | 24. Nanjing Federation of Commerce and Industry |
| 9. Chinese National Federation of Industries | 25. Nantong Federation of Commerce and Industry |
| 10. Ehime International Business Association (EIBA) | 26. The People’s Government of Chongqing, Bishan District |
| 11. Fuzhou Investment Promotion Organisation | 27. Shanghai Federation of Industry and Commerce |
| 12. Hangzhou Federation of Industry and Commerce | 28. Singapore Chamber of Commerce (Hong Kong) |
| 13. Hebei Provincial Business Invitation & Co-operation Bureau of China | 29. Takasaki Seinenkeisya Kyogikai |
| 14. Hong Kong Chinese Enterprises Association Electronics Committee | 30. The Taiwan Electric Appliance Manufacturers’ Association |
| 15. International Association of Traffic and Safety Sciences (IATSS) | 31. Tianjin Association in Singapore |
| 16. International Investment Promotion Agency of Shandong Province | 32. Tianjin Chamber of Commerce and Industry |
| | 33. Tianjin Federation of Chambers of Commerce and Industry |

34.

Xiamen Municipal Government of China
35.

Xi'an Foreign Investment Centre
36.

Yokohama Industrial Institute (YII)
37.

Osaka Chamber of Commerce and Industry (OCCI)
38.

Committee for the Promotion of International Trade, D.P.R Korea (KOMT)
39.

Japan Management Association (JMA)
40.

Ningbo Foreign Economic and Trade Commission

INDIA, AFRICA, MIDDLE EAST AND CENTRAL ASIA

1.

Amman Chamber of Commerce
2.

Association of Lebanese Industrialists
3.

Association of Kazakhstan Machinery Industry
4.

Bangladesh Chamber of Industries
5.

Cairo Chamber of Commerce
6.

Ceylon Chamber of Commerce
7.

Chamber of Commerce and Industry of Uzbekistan
8.

Confederation of Indian Industry (CII)
9.

Dubai Chamber of Commerce and Industry
10.

Egyptian Businessmen Association
11.

Federation of Chambers of Commerce of Egypt
12.

Federation of Indian Chambers of Commerce and Industry
13.

Indian Chemical Manufacturers Association (ICMA)
14.

Indian Merchants' Chamber
15.

Jordanian Businessmen Association
16.

Jordan Chamber of Commerce
17.

Jordan Chamber of Industry
18.

Manufacturer's Association of Israel
19.

Metropolitan Chamber of Commerce and Industry, Dhaka
20.

National Association of Small & Cottage Industries of Bangladesh
21.

Nepal Chamber of Commerce (NCC)
22.

PHD Chamber of Commerce and Industry
23.

The Federation of Pakistan Chambers of Commerce & Industry
24.

Forum of Indian Food Importers (FIFI)
25.

Maharashtra Industrial Development Corporation (MIDC)
26.

Agency for the Promotion of Industry, Tunisia
27.

The Federation of Bangladesh Chambers of Commerce and Industry (FBCCI)
28.

Manufacturers' Association of Israel
29.

Federation of Israeli Chambers of Commerce



FORWARD
TOGETHER

Membership and Industry Groups

The SMF, through its Membership and Industry Groups (MEMIG), engages its members via its 10 Industry Groups (IG) through a myriad of initiatives and activities such as seminars, networking events and dialogue sessions. These activities enhance engagement between members and external parties which includes other federations and government agencies. With constant engagement and outreach, the committee aims to provide members with a conducive platform to network and meet fellow industry peers.

OUR INDUSTRY GROUPS

Advanced Engineering and Manufacturing (AEM) was rebranded from Metal, Machinery and Engineering (MME) in June 2021 to stay relevant to the world's trends and align with Singapore's Manufacturing 2030 vision. The AEM IG organises various activities to enrich, educate and stimulate members' interest. These activities include enabling members to gain first-hand information on government's programmes and other information that is beneficial to members' businesses. As a forward-looking Industry Group, AEM IG will also continually groom and guide 2nd generations and young employees in the precision engineering industry by exchanging knowledge and experiences with them.

Building Products and Construction Materials (BPCM) is a cluster of companies that manufactures, trades and distributes building and construction materials to cater to the construction industry. BPCM IG engages government authorities and statutory boards to ensure a level playing field for Singapore companies. Through collaboration with national organisations such as the Building and Construction Authority (BCA), Singapore Civil Defence Force (SCDF), Singapore Accreditation Council (SAC), the IG serves as a platform for the dissemination of government policies, and also plan feedback and dialogue sessions for members to communicate their concerns with the relevant government agencies.

Electrical, Electronics and Allied Industries (EEAI) is a cluster of companies that manufactures and supports development and trade in a wide spectrum of electrical and electronics products for use in both consumer and commercial environments. Products include common electrical appliances, PBCA boards and info-communication solutions. The IG also includes law firms & insurance agencies who make up for the allied industries.

Energy and Chemicals (E&C) is a cluster of companies in the oil & gas, power generation and chemicals manufacturing and distribution industries. These companies cover almost the entire spectrum of the petroleum supply chain and include downstream industries such as plastics and paints. In August 2020, the Singapore COVID-19 Cleaning and Disinfection Industry Taskforce (CDITF) was set up to be a platform for the cleaning, disinfection and hygiene industry.

Food & Beverage (FB) involves the food & beverage manufacturing and services industries. This IG is instrumental in leading members in dialogues with government agencies, such as the Singapore Food Agency (SFA) and the National Environment Agency (NEA). Its

involvement in various industry stakeholder engagements such as with the Health Promotion Board (HPB) and the Ministry of Health (MOH) on the Nutri-Grade Labelling for beverages, and, with the National Environment Agency (NEA) on the beverage container return scheme, has helped lobby for important changes in the food industry.

Life Sciences (LS) represents the local generic drug manufacturers and related life sciences trade distributors. The group was established to maintain and enhance the reputation and credibility of the pharmaceutical industry in Singapore. Members meet regularly with the Health Sciences Authority (HSA) to discuss the latest regulatory issues in the region.

Lifestyle (LIG) was officially formed in September 1988 as a result of the merger of the Fashion & Apparel IG, the Jewellery & Watches IG, and the Furniture IG. Today, the LIG acts as the representative voice of the Lifestyle industry, its suppliers and customers. It encompasses sub-sectors from Beauty & Wellness, Entertainment & Enrichment, Fashion & Accessories, Gifts & Novelties, Health & Fitness, Hobbies, to Home & Furnishing products and supporting services. It has also been actively engaging Singapore's Lifestyle industry through various strategic initiatives with its members, partners and government agencies to transform and grow the industry.

Medical Technology (MT) aims to be the leading voice for the medical technology industry in Singapore. The active industry group comprises of top global medical technology multinational companies (MNCs) and local small and medium-sized enterprises (SMEs). MT IG strives to continue building effective relations with government stakeholders such as the Health Sciences Authority (HSA) and industry partners to move towards a more holistic approach for collaborative opportunities to address the industry concerns in the developments of medical devices to the end users.

Packaging Council of Singapore (PCS) serves as a catalyst in driving packaging innovation and creativity in global health and environmental issues. PCS is a member of the Asian Packaging Federation (APF) and the World Packaging Organisation (WPO). Through these networks, members are able to tap on this extensive resource to exchange knowledge and experiences.

PCS IG aims to promote excellence in packaging and keeping members informed of the latest trends and technology in the packaging industry. To further reinforce sustainable packaging materials, concepts and practices, PCS organises the Annual Singapore Packaging Star (SPSA) Awards to allow members to display their creativity and to keep themselves abreast of the latest packaging trends.

Smart Automation (SA) is a cluster of member companies in industrial automation, system integration, automation solution and consultancy companies that provide an array of products and services such as general automation, process control, sensors and sensing, vision systems and vision cameras, bar codes & RFID and motion control design, testing and implementation.

Industry Groups Committee Members

ADVANCED ENGINEERING AND MANUFACTURING INDUSTRY GROUP (AEM IG)

Chairman

Mr Chan Hai Kiang
Flexspeed Technology Pte Ltd

Deputy Chairman & New Members Recruitment Sub-group Chairman

Mr Raymond Wee
SalesTrade Corporation (S) Pte Ltd

AEM IG Members'

Internationalisation WG Chairman, New Members Recruitment & Retention WG Deputy Chairman

Mr Benny Yeo
catTHIS Pte Ltd

AEM IG Members'

Internationalisation WG Deputy Chairman

Mr Tay Chor Kuan
Heidenhain Pacific Pte Ltd

New Members Recruitment & Retention WG Deputy Chairman

Mr Zhao Hao Lin
I.C.E Aluminum Pte Ltd

Collaborations within AEM

Members' WG Chairman

Mr Jason Ng

Grand Team Technologies Limited

Training & Placement WG Chairman

Mr Alvin Cher
Almarc Engineering Pte Ltd

Training & Placement WG Deputy Chairman

Mr Marcus Sia
Applied Total Control Treatment Pte Ltd

Young Entrepreneurs Network (YEN) WG Chairman

Mr Tan Shi Han
Taishan Sports Engineering Pte Ltd

Young Entrepreneurs Network (YEN) WG Deputy Chairman

Mr Jarius Draslaric
Draslaric Group

Mr Chan Kai Wen

Flexspeed Technology Pte Ltd

HSSE FC Representative for AEM IG

Mr Tony Mochala
Chemtron Pte Ltd

Committee Member

Mr Kelvin Tan
Bayswater Shipping & Forwarding Pte Ltd

Mr Siew Yit Foong

Cititech Industrial Engineering Pte Ltd

Mr Alvin Neo

D&H Precision Tools Pte Ltd

Mr Van Kim Li

Gtrade S'pore Pte Ltd

Mr Ho Kee Nian

HKN Tanks Pte Ltd

Mr Oliver Chong

Kawarin Enterprise Pte Ltd

Mr Andy Koh

Linkmet Controls Pte Ltd

Mr Khaw Aik Yung

Maxiton Engineering Pte Ltd

Mr Lee Swee Ser

Powerzone Technologies Pte Ltd

Mr Dedrick Loo

Sunlink Engineering Pte Ltd

Mr Francis Tan

Taishan Sports Engineering Pte Ltd

Mr Dave Low

Willsoon (F.E.) Pte Ltd

BUILDING PRODUCTS AND CONSTRUCTION MATERIALS INDUSTRY GROUP (BPCM IG)

Chairman Mr Benjamin Lim Iwa Design Pte Ltd	Mr Robin Chan Tanglin Corporation Pte Ltd	Mr Kenneth Sim Sunscreen (Singapore) Pte Ltd
Committee Member Mr Francis Leung Dormakaba (S) Pte Ltd	Mr Gilbert Chua Geonamics (S) Pte Ltd	Mr Ken Liew Sapphire Windows
Ms Catherine Chew Sintalow Hardware Pte Ltd	Mr Gan Geok Chua Singapore Safety Glass Pte Ltd	Mr Marcus Lim Asiateck Industrial Supplier Pte Ltd
	Mr Alvin Chow Printec Pte Ltd	Mr Ong Kim Yeow I-MAX Pte Ltd

ELECTRICAL, ELECTRONICS AND ALLIED INDUSTRIES INDUSTRY GROUP (EEAI IG)

Chairman Mr Tan Boon Chong GP Batteries International Ltd	Committee Member Mr Stanley Ong Intertek Testing Services (Singapore) Pte Ltd	Mr Vincent Lau Massive Infinity
Deputy Chairman Mr Tan Beng Koon Fung Yip Electric Pte Ltd	Mr Clement Teo TÜV SÜD PSB Pte Ltd	Mr Sze Thiam Siong Setsco Services Pte Ltd
	Mr Don Quek Centre Testing International Pte Ltd	Dr Anton Ravindran Global ICT Training & Certification Pte Ltd

ENERGY AND CHEMICALS INDUSTRY GROUP (E&C IG)

Chairman Mr Tan Cheng Guan Sembcorp Power Ptd Ltd	Dr See Soo Loi NSL Chemicals Ltd	Mr Long Tian Ching Vance Chemicals Pte Ltd
Committee Member Ms Foo May Ling Enviro Gas Pte Ltd	Mr Toh Seong Wah Energy Market Company Pte Ltd	Ms Tina Loke Air Liquide Singapore Private Limited

FOOD & BEVERAGE INDUSTRY GROUP (FB IG)

Chairman of FB IG, Vice-Chairman for Government relations sub-work group Mr Cheong Chung Kin Win Sin (Pte) Ltd	Deputy Chairman Ms Cyndy Au Danisco Singapore Pte Ltd	Vice-Chairman for Functional Health Claims Sub-Work Group Ms Elaine Tan DSM Singapore Industrial Pte Ltd
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Vice-Chairman for Singapore Code of Advertising Practice / Common Nutrition Criteria Sub-Work Group

Ms Lee Gee Chyn
Nestle Singapore (Pte) Ltd

Co-Vice-Chairman for War on Diabetes Sub-Work Group and Waste Management Sub-Work Group

Ms Jennifer See
F&N Foods Pte Ltd

Ms Lee Gee Chyn
Nestle Singapore (Pte) Ltd

Vice-Chairman for Pro Enterprise Panel – USME

Ms Claire Ariela Shen
Cooking Art Industries Pte Ltd

Committee Member

Ms Yvonne Tan Sock Hoon
Gardenia Foods (S) Pte Ltd

Ms Charlotte Lok
Herbalife International Singapore Pte Ltd

Ms Verleen Goh
Alchemy Foodtech Pte Ltd

Mr Jeremy Hauw
Tuck Lee Ice Pte Ltd

Mr Eugene Tan
Wanin Industries Pte Ltd

Ms Zhang Jia Lin
Inflo Health Sciences

Mr Teri Teo
PS Food and Beverage (S) Pte Ltd

Ms Eva Tanudjaja
FrieslandCampina (Singapore) Pte Ltd

Ms Shermin Low
MyKenzen Nutrition Services Pte Ltd

Ms Kimberly Lai
Coca Cola Far East Limited

Ms Chenchill Kho
PEPSICO International Pte Ltd

Mr Wille Foo
Alternative Selection Pte Ltd

LIFESTYLE INDUSTRY GROUP (L IG)**Chairman and Lead for Capabilities Sub-Committee**

Mr Kimming Yap
Creativeans Pte Ltd

Deputy Chairman, Sub workgroup Chair – Exhibition, and Lead for Partnership Sub-Committee

Mr Theodore Khng
Theo10 Pte Ltd

Lead for Transformation Sub-committee

Mr Gan Shee Wen
Koda Ltd

Committee Member

Mr Cheong Kai Fon
The Fonz – Le Charme Pte Ltd

Ms Jade Yip
Shevron Pte Ltd

Mr Alfred Tan
Flame Communications Pte Ltd

Mr Amos Tan
Activecool Fashion Pte Ltd

Ms May Tee
Cosmed Bio Technology Pte Ltd

Mr Wayne Sim
Sing Chye Heng Investment Holdings Pte Ltd

Mr Jarius Draslaric
Draslaric Group

LIFE SCIENCES INDUSTRY GROUP (LS IG)**Chairman**

Mr Mohan Kumar
Strides Pharma Global Pte Ltd

Deputy Chairman

Mr Adam Hamid
Naina Mohamed & Sons Pte Ltd

Committee Member

Dr Farshad Shishehchian
Blue Aqua International Ltd

Mr Raymond Lam
Pharmaforte Singapore Pte Ltd

Dr Ameet Ambarkhane
Covate Pharma Pte Ltd

Mr Lee Loh Meng
Sunward Pharmaceutical Pte Ltd

Mr Sandeep R Lavalekar
Strides Pharma Global Pte Ltd

MEDICAL TECHNOLOGY INDUSTRY GROUP (MT IG)

Chairman

Mr Henry Tan, JP (Rtd), PBM
Alpha Health (Asia) Pte Ltd

Vice Chairperson for Industry Development, Skill Training and Development

Mr Ng Kah Fai
Johnson & Johnson Asia Pacific

Vice Chairperson for Business Networking, New Business and Digitalisation

Mr Rey Zheng
Mediwell Enterprise Pte Ltd

Vice Chairperson for Membership Support, Membership Development

Mr Teo Kee Meng
Transmedic Pte Ltd

Lead for Regulatory Policy Partnership and Standards

Mr James Chan
Varian Medical Systems

Lead for Regulatory Capacity – Building and Shared Services

Mr Victor Tan
Ortho Clinical Diagnostics

Lead for Membership Support

Mr Gjan Lim
Healthcare Essentials Pte Ltd

Lead for Membership Development

Ms Kandyce Ong
APCO Worldwide LLC

PACKAGING COUNCIL OF SINGAPORE INDUSTRY GROUP (PCS IG)

Chairman

Ms May Yap
LHT Holdings Limited

Deputy Chairman

Mr John Goh
Xcel Industries Supplies Pte Ltd

Committee Member

Mr Chris Ng
Greenpac (S) Pte Ltd

Ms Toh Lili

L'earth (S) Pte Ltd

Mr Johnny Tan

Sing Mah Wooden Cases

Manufacturer Pte Ltd

Mr Gilbert Chua

Tanglin Corporation Pte Ltd

Ms Joanna Tan

Starlite Printers (Far East) Pte Ltd

SMART AUTOMATION INDUSTRY GROUP (SA IG)

Chairman

Mr David Chia
Beckhoff Automation Pte Ltd

Deputy Chairman

Mr Mun Kok Woh
ASTech Pte Ltd

Committee Member

Mr Lee Theam Wah
Opex Consulting Group LLP

Mr Tan Aik Jin

Zebra Technologies Asia Pacific
Pte Ltd

Mr Daniel Lau

Servo Dynamics Pte Ltd

Mr Jenson Ong

ABB Pte Ltd

Mr Kenn Wong

Modula South East Pte Ltd

Mr Sew June Sung

TecMaven Group Pte Ltd

Mr Sea Chia Hui

Hexagon Metrology Asia Pacific
Pte Ltd

Mr Brandon Lee

BData Pte Ltd

Ms Jessie Chen

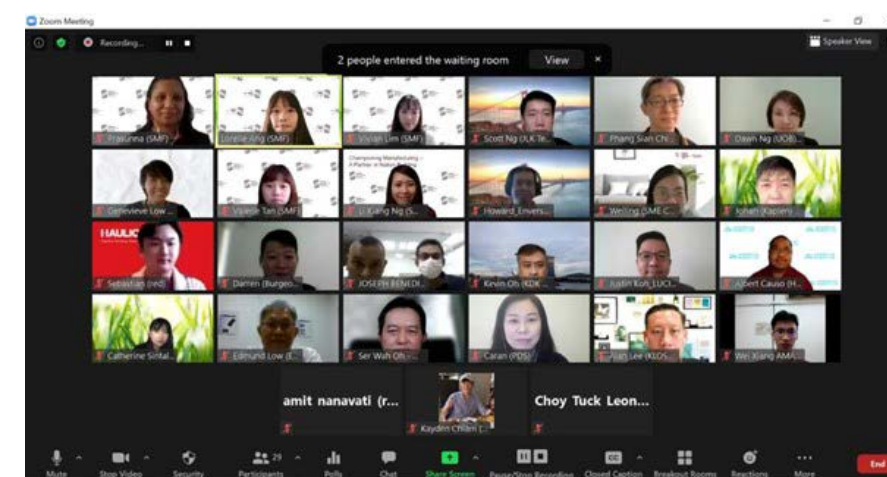
Rexadvance Technology Pte Ltd

NETWORKING SESSIONS FOR NEW MEMBERS

New Members' Virtual Orientation

In solidarity with our members during the Covid-19 pandemic, the SMF waived membership fees for current and new members from April 2021 to December 2021. From January 2022, new members joining the SMF enjoyed a waiver of membership fees for one year.

Although there were COVID-19 restrictions for social gatherings, that did not stop the SMF's Membership and Industry Groups (MEMIG) team from engaging with new members. The team worked around the restrictions and held a total of six new Members' virtual orientation and networking sessions for members to learn about the benefits of their SMF membership and to connect with one another.



New SMF members attended the virtual orientation to learn about the benefits of their membership and connect with one another.

AEM New Member Welcome

The SMF's Advanced Engineering and Manufacturing (AEM) Industry Group (IG) held a new members' welcome on 17 December 2021 for new AEM IG members to get to know AEM IG Committee members.

Close to 40 members attended the event, including 17 new members. New members then gave a short introduction on their company and business offerings to the other AEM members at the networking session. Besides the networking session, the SMF also invited speakers from the National Trade Union Congress (NTUC) to provide information on the Company Training Committee (CTC) programme.



AEM IG Chairman Mr Chan Hai Kiang gave his welcome address to kickstart the event.



NTUC representative shared the CTC programme with AEM members.

Advanced Engineering and Manufacturing Networking Session

Following the New Members' Welcome on 17 December 2021, the AEM IG organised an AEM Networking Session on 25 March 2022 for a new batch of AEM members. More than 25 AEM members attended the networking session. This session is an opportunity for new members to network and interact with one another to build new business relationships and discover collaborative opportunities. The session also had a NTUC representative invited to introduce CTC programme to members.



The SMF AEM IG organised a networking session to provide an opportunity for new AEM IG members to network with other AEM IG members.

CELEBRATORY NETWORKING SESSIONS

A Christmas to Remember

The SMF organised a year-end gathering to celebrate the end of 2021 and welcome another year of hope and success. Mr Shekhar Jaiswal, Head of Equity Research from RHB Singapore was invited to share with close to 40 participants about the economic landscape and opportunities available in 2022.

Besides the insightful sharing, there were quizzes and a lucky draw for members who attended the year-end gathering. The Christmas celebration is a great platform for members to connect with one another and build business relationships.



Participants connecting with one another during the Christmas celebration.



SMF Secretary-General Mr Lawrence Pek (left) and Ms Jacqueline You-Seah (right) from RHB Singapore presented the first prize to the lucky draw winner.

SMF Lunar New Year Lohei 2022

After two years of not having any Chinese New Year celebrations due to the COVID-19 restrictions, the SMF was finally able to resume the tradition of organising a physical, long anticipated Lunar New Year Lo-hei on 11 February 2022 at the SMF Building.

The event was presented in collaboration with RHB Singapore, and supported by Starlite Printers. Over 30 members came to usher in the Year of the Tiger with the SMF.

Members were able to enjoy the Lohei that was prepared for them whilst adhering to the Safe Management Measures (SMMs) that were in place. With their masks on, members tossed up the yusheng, and chanted auspicious phrases of ‘发啊’ (Huat Ah!), wishing one another great luck and wealth for the new year.

Additionally, members were entertained by a lion dance performance and listened to a Feng Shui talk by Master Wesley Lim from the International Feng Shui & Bazi Metaphysics Consultation Company.

The SMF wishes all staff and members a prosperous Year of the Tiger!



Lion dance performance by Tian Heng Athletic Association to welcome the Year of the Tiger.



Members networked with one another during the celebration.

TOWNHALL AND INDUSTRY CONNECT

SA IG Townhall Meeting

Held on 28 January 2022, the SMF Smart Automation (SA) IG held its very first town hall meeting for SA IG members to get to know one another.

The event was attended by more than 20 members and had speakers from SMEC@SMF and SMF Centre for Corporate Learning (SMFCCL). SA IG members, including SA IG committee members present, also gave a short sharing of their companies before the networking session began.

Many members feedback that they wish to have more networking events here at the SMF and to meet with other members from other IGs.



SA IG held its first townhall meeting for its SA IG members to network with one another.

Industry Connect Networking Session

The SMF organised a new series of networking events – Industry Connect Networking Session, with the first session held in March 2022.

As the COVID-19 restrictions eased, the SMF designed this series of networking sessions to create synergy among members and enable potential collaboration opportunities. It aims to foster business relations amongst members across the 10 Industry Groups.

Over 80 members participated in the first two Industry Connect sessions.



Members met with event partner RHB Singapore to understand their services.



Members participating in the speed networking session.



SMF members interacting with GS1 Singapore to learn about its services.

WEBINARS

Bioaerosol Characterisation, the Air Microbiome and Covid-19 Transmissions

The SMF, together with the National Biofilms Innovation Centre (NBIC), Singapore Centre for Environmental Life Sciences Engineering (SCELSE), and Singapore National Biofilm Consortium (SNBC), organised a webinar on the challenges and opportunities of studying, managing and influencing the air microbiome.

Held on 25 May 2021, the webinar also had Ms Francia Solis, Head of the Cleaning & Disinfection Industry Task Force (CDITF) and Ms Amanda Yeo, member of CDITF, introducing CDITF to the participants and the Disinfectant Industry Guidance.

Some 50 participants attended this informative webinar and benefitted from the sharing.



Bioaerosol Characterisation, the Air Microbiome and Covid-19 Transmission

Webinar held in collaboration with SNBC

Accelerating Industry 4.0 Transformation Journey Webinar Series

The SMF, the Singapore Industrial Automation Association (SIAA) and OPC Foundation organised a webinar series titled “Accelerating Industry 4.0 Transformation Journey”. The four webinar series, with the first held on 21 September 2021, and the last on 3 March 2022, discussed the latest Internet of Things (IOT) and Industry 4.0 technologies that could help companies drive operational excellence through the use of various software and technologies.



The SMF, SIAA, and OPC Foundation organised the “Accelerating Industry 4.0 Transformation Journey” webinar series.

SEMINARS

Nanyang Technological University (NTU) Internship Sharing 2022

As members faced a manpower challenges due to border closures, the SMF organised a NTU Internship sharing session on 9 February 2022 to encourage members to take on interns in a bid also to have members train the next generation and hope the interns may return to the company upon completion of their studies.

Some 30 Engineering cluster members attended the sharing session and heard from a NTU Career and Attachment Office representative about hiring interns from NTU. SMF Secretariat staff from Global Ready Talent (GRT) also shared the GRT programme and its benefits with members.



NTU Career and Attachment Office representative shared about hiring interns from NTU.



SMF Secretariat staff from GRT shared how members could tap into the GRT programme to hire interns.

IHCI Enabler Programme

The SMF conducted an IHCI Enabler Programme on 18 March 2022, together with McKinsey & Company for the SMF’s Engineering Cluster Industry Group Members.

Mr Belvin Tan, Operations Consultant, McKinsey & Company shared with members how they can identify key areas to digitise based on business impact and tailor Industry 4.0 solutions while undergoing specific change management and job redesign.

This sharing session helped our members better understand how Industry 4.0 can be applied in their work environment to benefit their staff with redesigning and upgrading their job roles and enhancing their job satisfaction while gaining productivity for the company.



Operations Consultant from McKinsey & Company Mr Belvin Tan was one of the speakers at the IHCI Enabler Programme.

Post-budget Seminar 2022

The Singapore Budget 2022 announced in February 2022 sets forth a suite of measures, which may affect businesses.

Hence, the SMF organised a Post-Budget Seminar on 23 March 2022 to provide a platform for members to understand how the Singapore Budget 2022 may affect them and their businesses. The seminar was supported by RHB Singapore, with speakers such as Mr Shekhar Jaiswal, Senior Equity Analyst & Team Head of RHB Singapore, Mr Ivan Lee, Principal Industry Training Officer of NTUC, and Mr Ben Teo, Business Advisor of the SME Centre @ SMF.

The seminar was organised to provide information on Budget 2022 to members. Besides that, the seminar covered the CTC programme by NTUC and assistance such as the Small Business Recovery Grant that was introduced in the Budget Statement 2022.



Senior Equity Analyst & Team Head of RHB Singapore Mr Shekhar Jaiswal discussed how the Singapore Budget Statement 2022 that may affect businesses.

WORKSHOPS

Sustainable Development and Climate Change: SG Strategies and Approach

The SMF and Smart Grid & Power Electronics Consortium Singapore (SPECS) held a “Sustainable Development and Climate Change: SG Strategies and Approach” workshop on 27 August 2021. The half-day virtual workshop and roundtable discussion covered emission trends, energy usage, and clean and alternative energy.

During the workshop, the speakers focussed on Singapore’s short- to mid-term decarbonisation strategies, where innovations must be adopted to enable companies to reduce their carbon footprints.



The SMF and SPECS had a roundtable discussion during the workshop.

Electrical, Electronics and Allied Industries (EEAI) IG’s Testing, Inspection and Certification (TIC) Interest Group – NTUC Operational Technology Roadmap (OTR) Workshops

EEAI IG’s TIC Interest Group and the NTUC OTR Training & Transformation (T&T) Team organised a 4-day workshop to discuss and put together a roadmap for the TIC sector.

During the workshop, with the facilitation of the NTUC team, TIC IG members were able to:

1. Identify emerging trends that will impact TIC sector;
2. Discuss ways to profile and uplift the TIC sector to attract manpower & talents;
3. Discuss ways to grow the TIC sector, regionalise and develop Singapore as the regional hub for the TIC sector;
4. Discuss capabilities needed to develop the TIC sector;
5. Identify ways to grow TIC Interest Group’s membership size and capabilities to better represent interests and grow the TIC sector; and,
6. Discuss initiatives to enhance the TIC sector that are aligned to TIC Industry Plan 2025 and the four key priority sub-sectors (medical and life sciences, environmental sustainability, cyber security, and food agriculture).



The workshop was organised with NTUC OTR Training & Transformation (T&T) Team to develop a roadmap for the TIC sector.

It was a fruitful workshop, and many were pleased to have attended this workshop as it is a step forward to the growth in the TIC sector.



TIC Interest Group members attended the 4-day workshop.

DIALOGUE SESSIONS

Life Science Industry Group (LSIG) Closed-Door Dialogue Session with the Health Science Authority (HSA)

The SMF LSIG and the Singapore Association of Pharmaceutical Industries (SAPI) had a fruitful annual dialogue session with HSA CEO Dr Mimi Choong and her associates on 14 February 2022.

As representatives of the manufacturing industry, the SMF highlighted some of the key concerns in the industry. Some of the topics for discussion were regulatory initiatives & collaborations, enhancing regulatory efficiency through reliance mechanism, enhancing regulatory clarity & tools for industry to self-help, bilateral and international collaborations, and Unique Device Identifier (UDI) system.



LSIG members at the HSA office for a dialogue session with HSA CEO Dr Mimi Choong (centre).

Medical Technology Industry Group (MTIG) Closed-Door Dialogue Session with HSA

The SMF MTIG and Asia Pacific Medical Technology Association (APACMed) had a fruitful annual dialogue session organised by the HSA with HSA CEO, Dr Mimi Choong and associates of the agency on 14 March 2022.

As representatives of the Manufacturing industry, the SMF highlighted some of the key concerns in the industry. Some of the topics of discussion were regulatory initiatives & collaborations, enhancing regulatory efficiency through reliance mechanism, enhancing regulatory clarity & tools for industry to self-help, Bilateral and International collaborations, and Unique Device Identifier (UDI) system.



MTIG members at the HSA office for a dialogue with HSA CEO Dr Mimi Choong (centre).

Singapore Food Agency (SFA) Dialogue with the SMF and Singapore Food Manufacturers’ Association (SFMA).

The Food and Beverage Industry Group (FBIG) and the Singapore Food Manufacturers’ Association (SFMA) had a dialogue session with the Singapore Food Agency (SFA) on 5 November 2021.

The dialogue session addressed concerns that were raised by both associations, SMF and SFMA. Some questions include streamlining licensing requirements, gradings for new manufacturers and food establishments, and label verification on imported products.

The SFA emphasised the recognition of grading new manufacturers according to the tier system and would look into situations when SAFE Framework is in place. The SFA agreed to continue engaging both associations through regular dialogue sessions.



SMF's FBIG and SFMA had a dialogue session with SFA.

SMF’s FBIG Industry Engagement Session with Dr Amy Khor

The SMF’s FBIG participated in the industry engagement with the National Environment Agency (NEA) and Senior Minister of State for Sustainability and the Environment and Transport Dr Amy Khor to cover details on the Beverage Container Return Scheme (BCRS).

The NEA gave the background of the scheme and the considerations for proposed containers such as plastic bottles, metal cans and glass bottles etc. The return scheme operator would be placed at retailers for supermarkets, and legislation would be introduced by the end of 2022.



The SMF’s FBIG participated in an industry engagement with the NEA.

FACTORY VISIT TO YCH SUPPLY CHAIN CITY

The SMF introduced a new initiative to enable manufacturing companies to open up for business visitors to explore opportunities through factory tours.

By hosting such factory tours, manufacturing companies are able to showcase their factory value offerings, and exchange industry best practices with like-minded people while developing business opportunities and partnerships.

On 9 April 2021, SMF members had the opportunity to visit YCH Supply Chain City. Members had an eye-opening experience as they watched and learnt how YCH’s new technology processes and advanced technology are progressing the company in the logistic industry.



SMF Members visited YCH Supply Chain City.

PACKAGING COUNCIL OF SINGAPORE INDUSTRY GROUP (PCS IG)- SINGAPORE PACKAGING STAR AWARDS 2019-2020 CEREMONY AND PCS CONFERENCE

The SMF’s PCS IG held its first virtual Singapore Packaging Star Awards (SPSA) ceremony on 6 October 2021, with close to a hundred attendees witnessing the efforts of the winners. This is also the first time the awards ceremony incorporated a conference into the event. Industry experts shared their insights on informative topics such as using the latest innovative materials to reduce plastics in packaging.

As the awards ceremony was not held in 2020, the 2021 SPSA Awards recognised winners from 2019 and 2020. In total, 51 award-winning packaging designs from companies and students of local Institutes of Higher Learning (IHL) were awarded the SPSA awards in this awards ceremony.



Virtual Group photo with participants and SPSA award winners

Packaging Partnership Programme (PPP)

ADVISORY COMMITTEE

Chairman
Mr Matt Kovac
Executive Director
Food Industry Asia (FIA)

Deputy Chairperson
Ms Lee Gee Chyn
Regulatory & Scientific Affairs and Nutrition manager
Nestlè Singapore Pte Ltd

Companies		
Organisation's Name	Advisory Representatives	Designation
Borouge Pte Ltd	Mr Pratyush Bandyopadhyay	Head, Circular Economy Solutions Business Builder
Coca Cola Singapore Beverage	Mr Khairul Anwar Ab. Gahani	Public Affairs, Communications and Sustainability Director
Coca Cola Singapore Beverage	Ms Kimberly Lai (Alternate)	Public Affairs, Communications & Sustainability Manager
Marina Bay Sands (MBS)	Mr Andrew Spain	Senior Manager – Sustainability
Procter & Gamble (P&G)	Mr John Mulcahy	Principal Scientist
Tetra Pak South East Asia Pte Ltd	Ms Terrynz Tan	Sustainability Director

Government Agencies		
Organisation's Name	Advisory Representatives	Designation
Enterprise Singapore (ESG)	Ms Yeo Meow Ling	Director, New Industries
Enterprise Singapore (ESG)	Mr Ng Junrong (Alternate)	Senior Development Partner, Circular Economy & Sustainability
National Environment Agency (NEA)	Mr Cheang Kok Chung	Group Director (Resource and Sustainability Group)
National Environment Agency (NEA)	Mr Christopher Tan (Alternate)	Director (Sustainability Division)

Trade Associations and Chambers (TACs)

Organisation's Name	Advisory Representatives	Designation
Global Compact Network Singapore	Ms Kimberley Kok (Alternate)	Assistant Manager (Communications)
Lifestyle Industry Group (LIG), SMF	Mr Kimming Yap	Chairman
Medical Technology Industry Group (MTIG), SMF	Ms Chia Boon Theng	Co-lead for Workstream (Inter-Government Agency engagements)
Packaging Council of Singapore (PCS), SMF	Ms May Yap	Chairman
Singapore Food Manufacturers' Association (SFMA)	Mr Casey Chew	SFMA EXCO (Director of IT)
Singapore Environment Council (SEC)	Ms Jen Teo	Executive Director
Singapore Retail Liquor Shop Association (SRLSA)	Mr Rodney Goh	President
Waste Management & Recycling Association of Singapore (WMRAS)	Mr Michael Ho	Emeritus Senior Member

Research Institutes

Organisation's Name	Advisory Representatives	Designation
Food Innovation & Resource Centre (FIRC)	Mr David Chai	Centre Director

Co-opted Members

Name
Mr Albert Lim
Mr Ong Lye Huat
Ms Betty Tan, PBM

ABOUT THE PACKAGING PARTNERSHIP PROGRAMME (PPP)

The Packaging Partnership Programme (PPP) was officially launched during the Singapore Packaging Agreement (SPA) Awards on 24 March 2021. Since then, the PPP has recruited close to 300 members and held a total of 6 webinars, including a Mandatory Packaging Reporting (MPR) Clinic that was held for three days with ten industry-specific sessions.

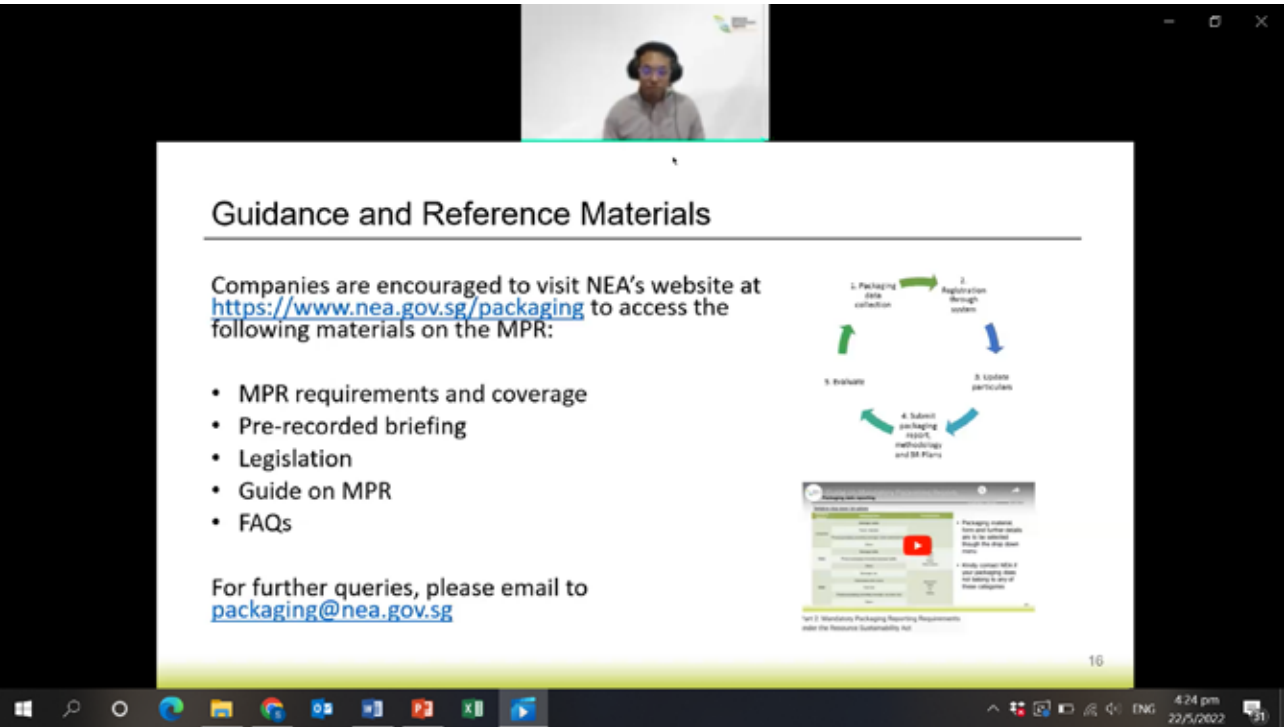
MANDATORY PACKAGING REPORTING (MPR) CLINIC

The MPR Clinic helps companies with their mandatory packaging reporting that was due for submission on 31 March this year. Each session of the Clinic began with a short presentation on the MPR, followed by a Question and Answer session with a representative from the National Environmental Agency (NEA).

The Question and Answer session assists in clearing any doubts and concerns companies may have faced or will face in the future. This will help in ensuring that they are prepared to face future obstacles. A total of 12 one-hour virtual sessions were held with up to 200 business representatives from over 100 companies, such as packaging producers, food manufacturers and retailers attending the Clinic.

A representative from NEA shared about the MPR and answered concerns regarding the MPR from the attendees.

The MPR scheme aims to raise companies' awareness of the benefits of packaging reduction. The scheme lays the foundation for the Extended Producer Responsibility (EPR) framework for packaging waste management, which will be implemented no later than 2025.



3R GUIDEBOOK FOR PACKAGING

Besides webinars, the PPP has also published a 3R Guidebook for Packaging in Mid-September 2021. The Guidebook provides guidelines to assist companies and organisations in developing and implementing their own 3R (Reduce, Reuse, Recycle) plans and initiatives, and manage their packaging and packaging waste.

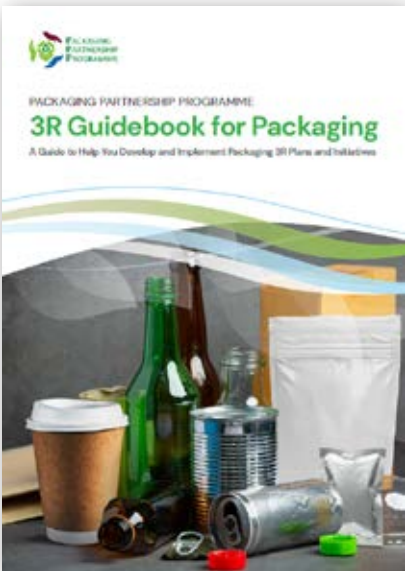
The guidebook includes case studies from local organisations on a variety of subjects, including packaging collection for reuse, consumer outreach related to packaging 3Rs and improving the recyclability of packaging.

LOGO FOR PRODUCTS WITH REDUCED PACKAGING

The 'Logo for Products with Reduced Packaging' (LPRP) is a voluntary eco-label that marks product packaging that have undergone improvements to reduce the amount of packaging materials used.

Launched on 5 June 2017 at the World Environment Day, it was introduced under the Singapore Packaging Agreement (SPA) to enable consumers to identify products with reduced packaging and recognise companies that have made the efforts to minimise packaging waste.

Companies that have taken proactive steps in reducing the use of packaging materials for their products and are PPP members may apply to print this logo on their products, subject to approval.



SMF Centre for Corporate Learning (CCL)

For over five decades, the SMF has been providing training programmes to the Singapore business community. To enhance our training programmes, the SMF set up the SMF Centre for Corporate Learning (CCL) in 2010. It has since been instrumental in assisting the SMF meet its mission of helping companies increase their competitiveness by equipping their employees with skillsets and knowledge to perform at optimum levels. With the belief that people are the most important asset of any organisation, and having built a wide range of comprehensive and holistic corporate learning programmes, the SMF CCL now extends its services beyond the manufacturing industries.

SERVICE OFFERINGS

The SMF CCL is a one-stop business service provider, offering a holistic suite of training programmes including:

- Upgrading of skills of the manufacturing workforce

- Nurturing of T-Shaped skills for Professionals, Managers, Executives and Technicians (PMETs)
- Driving Productivity Growth
- Seminars, Conferences and Workshops
- Customised In-House Training Solutions
- Career Services, Job Placements and Job Matching
- Training Needs Analysis
- Local & Overseas Training Consultancy

Transform your tomorrow with APICS Certifications

The SMF CCL and the Association for Supply Chain Management (ASCM) jointly organised a webinar “Transform your tomorrow with APICS Certification” on 24 November 2021. This was the first time the two associations held a webinar together.

The webinar was organised to provide participants with an overview of all APICS certifications – Certified in Planning and Inventory Management (CPIM), Certified Supply Chain Professional (CSCP) and Certified in Logistics, Transportation and Distribution (CLTD). It also provided information on a new APICS certificate programme.

Transform Your Tomorrow with APICS Certifications



Brought to you by:

 SMF CCL and ASCM co-organised a webinar for the first time on 24 November 2021.

During the webinar, ASCM Regional Director spoke about the business landscape and emerging digital supply chain. SMF CCL gave an overall summary of the APICS services that SMF CCL administers in Singapore.

Some 50 PMETs from the supply chains, logistics, manufacturing and transport related industries attended the webinar.

Sustainable Manufacturing Workshop

The SMF CCL held a workshop on sustainable manufacturing on 16 December 2021. Sustainable manufacturing is becoming increasingly vital to companies as the nation aims towards becoming a Zero Waste nation. Hence, the physical workshop was organised to help managers gain skills and knowledge for holistic planning, implementation and improvement of end-to-end sustainable manufacturing activities.

Some 20 C-suite personnel and managers attended the workshop at the SMF. The workshop covered the principles and techniques of sustainability management. It also covers legislation, regulations and codes of practice on environmental sustainability that applies to organisations. During the workshop, there were lively discussions on Environmental, Social and Governance (ESG) matters and how the participants can implement sustainability in their business.

At the end of the workshop, the participants' feedback was that the workshop was informative and gave them a more comprehensive idea of implementing sustainability within their organisations.



Lively discussions among the participants during the workshop.

TRANSPORT AND DISTRIBUTION PREVIEW

The SMF CCL held a preview on the new APICS Certification – Certificate for Logistics, Transport and Distribution (CLTD) on 2 March 2022. This physical event saw about 20 professionals from the Logistics, Transport and Distribution industry and related sectors attending the preview. The purpose of the Preview was to share the landscape of the Transport and Distribution industry in Singapore. The benefits of the CLTD were also shared to encourage them to register for this certification course.



Some 20 professionals attended the preview to understand the new CLTD certification better.

EMPOWERING SME-CENTRIC BUSINESS WITH NEW CCP SUPPORT

The SMF CCL introduced the new Career Conversion Programme (CCP) for SME Executives, supported by WSG, on 18 March 2022. Some 50 PMETs, HR managers and SME owners attended the virtual introduction. During the event, SMF CCL representatives shared how this new grant evolved from the P-Max grant and the CCP grant structure. A lively Q&A session was then held with the participants to help them understand the grant better.



SMF CCL Team answered questions related to the new CCP grant.

Singapore Innovation and Productivity Institute (SIPI)

The Singapore Innovation and Productivity Institute (SIPI) is an associated service unit established by the SMF since 2011 to drive innovation and productivity in the manufacturing community in Singapore. Its vision is to be the leading driver of innovative thinking and best practices for manufacturing companies in Singapore. Its mission is to empower manufacturing companies with the mindset and tools to achieve the highest level of innovation and productivity possible.

SIPI also supports Singapore's Industry Transformation Maps (ITMs) by providing thought leadership in relevant verticals – through internationalisation and expertise to members, communicating the values for the greater good of the community.

Following the Council election in September 2021, Ms Audrey Yap was appointed Chairman of the SIPI Board of Directors. The new constituted SIPI Board of Directors took office on 14 February 2022.

Under the leadership of this new Board, SIPI will continue to assist members to innovate and increase productivity for business growth. Additionally, SIPI will create new services that address business challenges such as guiding companies in utilising and protecting their intellectual property (IP).

SIPI BOARD OF DIRECTORS

Chairman

Ms Audrey Yap
Yusarn Audrey LLC

Directors

Dr Gilbert Tan Boon Keat
Yokogawa Electric International

Ms Kwan Hoi Chee,
Deborah Connie
Aalst Chocolate Pte Ltd

Ms Phyllis Ong
Armstrong Industrial Corporation
Limited

Mr Lawrence Pek
Singapore Manufacturing
Federation

Mr Vincent Wong
Continental Automotive
Singapore Pte Ltd

GS1 Singapore Ltd

GS1 Singapore is part of a worldwide network of GS1 organisations in over 116 countries, with its global office based in Brussels, Belgium. GS1 Singapore enables companies to become more efficient in their supply chain by uniquely identifying products, assets, shipments and physical locations throughout the global supply chain. It also enables trading partners to exchange information critical to their businesses. Applications of GS1 standards are wide-ranging. Examples are scanning groceries at supermarkets' point-of-sales for fast check-out, tackling counterfeit issues for online purchases through marketplaces, tracing defective product batches during a recall, as well as locating medical items accurately and quickly to save a life.

GS1 BUILDS A STRONG FOUNDATION FOR THE INDUSTRIES WE SERVE

As a member-based, not-for-profit organisation, GS1 Singapore is the only authorised source for GS1 barcode numbers and standards in Singapore. Its charter is to bring the GS1 standards to the industries to help companies achieve efficient supply chain management. GS1 Singapore brings businesses, technology providers and government agencies together. It assists business owners in finding solutions to overcome their supply chain challenges and provides regulators with neutral, user-driven and global perspectives to aid them in developing policies affecting supply chain efficiencies. GS1 Singapore enables networking platforms and helps to showcase its members, solution providers and industry leaders' supply chain best practices.

GS1 BRINGS THE FUTURE OF PRODUCT IDENTIFICATION TO RETAIL

GS1 partners with industry leaders to harness the power of 2D barcodes. These barcodes can include more data than the current European Article Number (EAN)/Universal Product Code (UPC) linear barcodes, which will dramatically enhance the experience of consumers, brands, retailers and everyone in between. To enable companies to adopt 2D barcodes, GS1 formed various groups and created implementation guides that could help companies incorporate 2D barcodes into their products. With 2D barcodes, consumers can also access real-time information like product recalls, allergens information, promotions, reviews and instructions.

GS1 SINGAPORE BOARD OF DIRECTORS

Chairman

Mr Ryan Chioh, PBM
FarEastFlora.com Pte Ltd

Directors

Mr Douglas Foo, BBM
Sakae Holdings Ltd

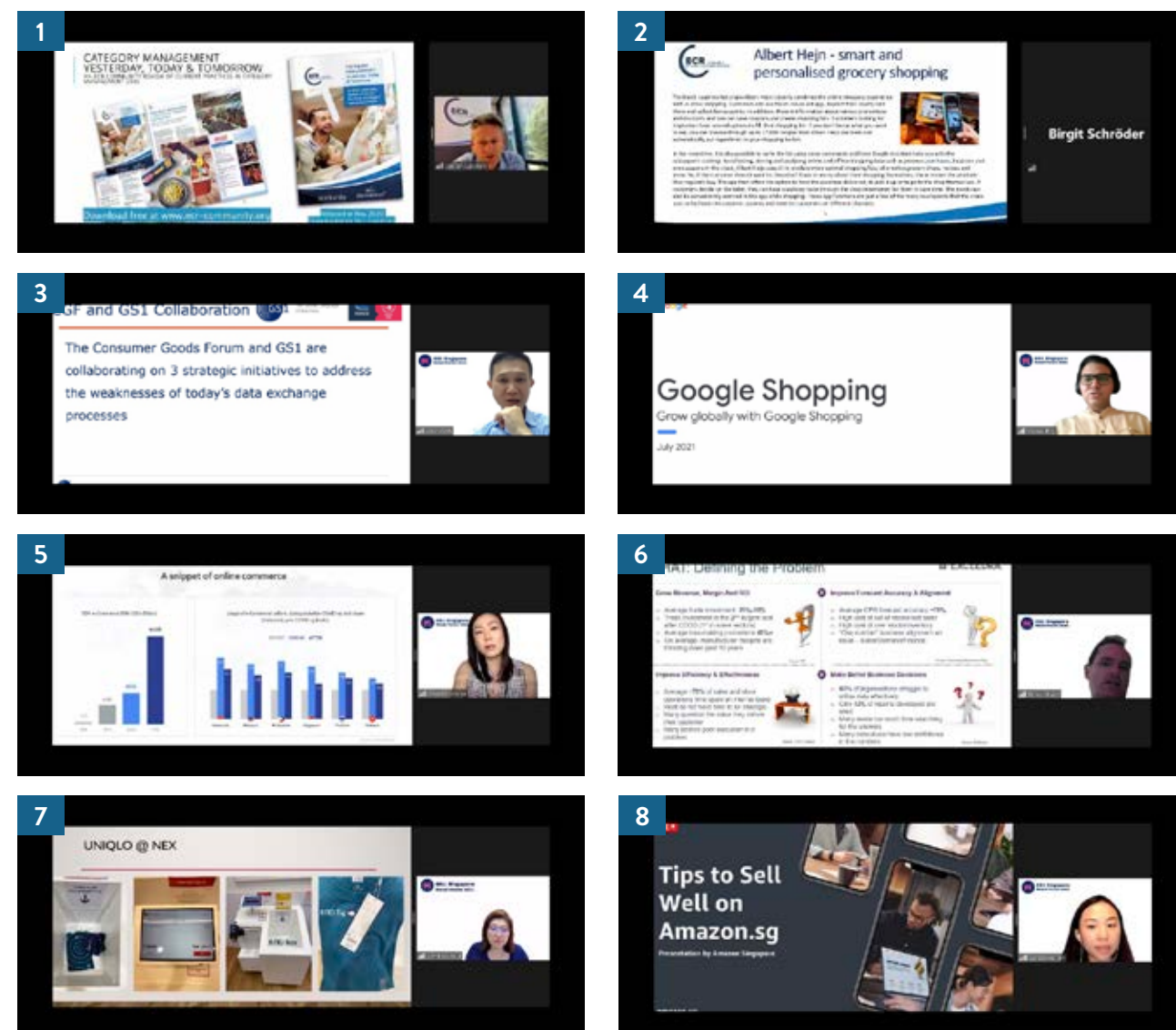
Mr Lawrence Pek
Singapore Manufacturing
Federation

Mr Tan Boon Chong
GP Batteries International Limited

GS1 Singapore Retail Forum: Making Sense of Omnichannel Commerce with Data, 9 July 2021

In the post COVID-19 world, business is no longer as usual. The pandemic has presented unprecedented challenges globally, but there are still business opportunities through omnichannel commerce. Recognising the benefits of global business expansion through omnichannel commerce, it is imperative that businesses are equipped with the necessary strategies, tools and leverage on data to thrive in the emerging new reality. This forum was attended by manufacturers, brand owners, retailers, distributors, supply chain managers and e-commerce specialists aspiring to sell offline and online.

Sponsored by **Exeedra Pty Ltd**, **SELLinALL** and **Tunity Technologies**, the event received more than 370 registrations.



1. Mr Declan Carolan, Co-chair, ECR Community started off the session by sharing the Omnichannel landscape
2. Ms Birgit Schröder, Co-chair, ECR Community shared on smart and personalised grocery shopping
3. Mr Alvin Goh, Business Development Manager of GS1 Singapore, shared how the Omni-channel journey begins with having unique product identity and digital content creation
4. Mr Manas Roy, Head of Retail and Shopping Partnerships, Google, shared how to grow your business with Google Shopping.
5. Ms Rika Ninomiya, Chief Business Officer, SELLinALL, shared about transitioning from brick and mortar to new commerce.
6. Mr Simon Elsby, APAC Sales Director of Exeedra Pty Ltd, shared how to manage ROI from a complete omnichannel perspective
7. Ms Lim Peck Hui, Managing Director of Tunity Technologies, shared about tracking offline to online
8. Ms Geraldine Tan, Regional Account Manager of Amazon Singapore shared about Tips to sell well on Amazon.sg



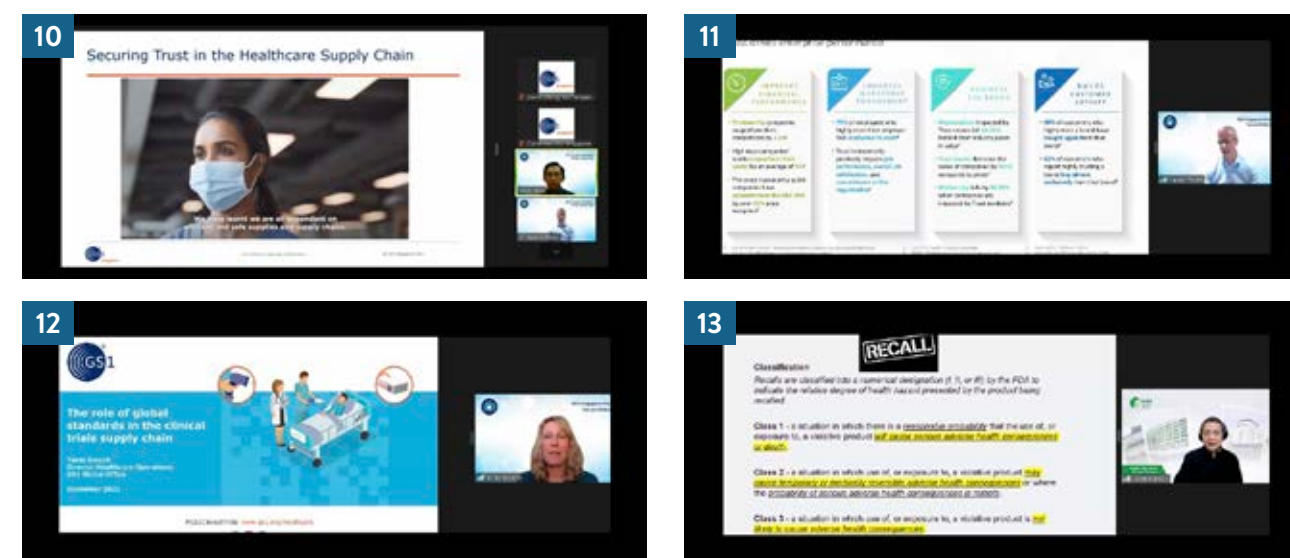
9. Ms Alexia Quah, Business Development Manager of SHOPLINE shared on Social Commerce: The Next Generation of Omni-channel Commerce

2) GS1 Singapore Healthcare Forum 2021: Securing Trust in the Healthcare Supply Chain, 2 December 2021

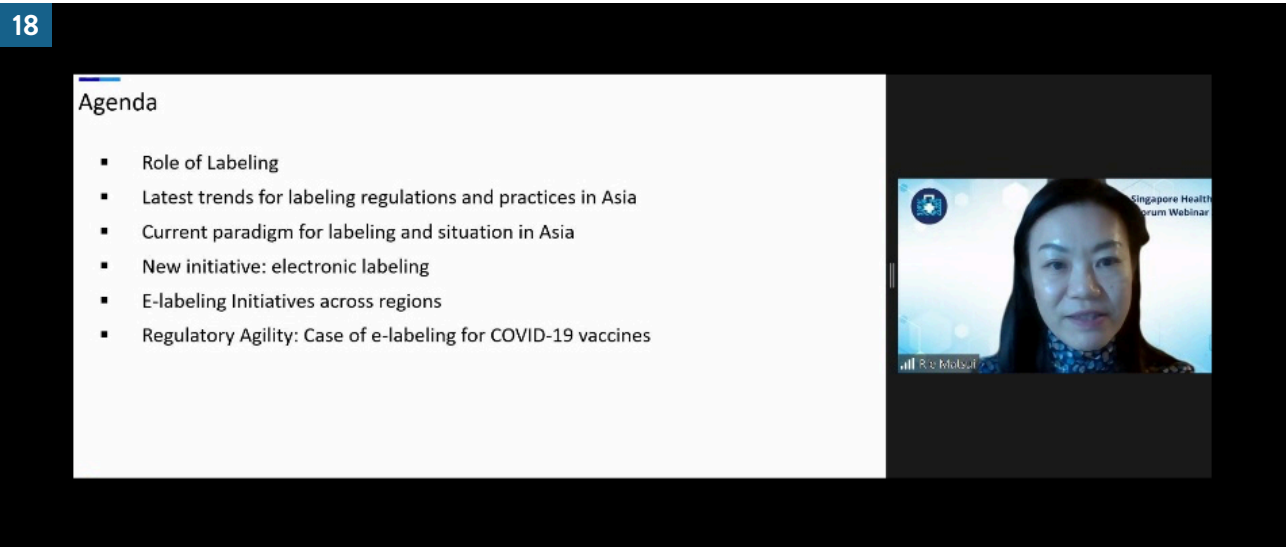
Securing trust in the healthcare supply chain is more important than ever as the current COVID-19 pandemic accelerated pre-existing issues in the healthcare supply chain and brought priorities such as visibility, resilience, and digitisation to the fore. The impact on healthcare quality, clinical practice, organization performance, and patient outcomes based on product shortages has become more apparent. Multiple national lockdowns have disrupted the supply chain of various medical devices and pharmaceutical companies due to a shortage of human resources and raw materials. Hospitals also experienced shortages of critical supplies such as respirators and gloves. Having a robust traceability system can help improve the efficiency and effectiveness of the healthcare supply chain. It can also help prevent human error and improve the quality of patient care.

Sponsored by **Office Productivity Solution Pte Ltd (OPS)** and **Sato Asia Pacific Pte Ltd**, the 3 hours event received more than 350 registrations mainly representing hospitals, pharmacies, healthcare providers, suppliers, and distributors of pharmaceutical and medical devices.

This forum helps attendees get insights into the latest trends on the healthcare landscape and discover how emerging technologies can digitalise your healthcare business to improve supply chain efficiency. The mission of GS1 Healthcare is to lead the healthcare sector to the successful development and implementation of global standards by bringing together experts in healthcare to enhance patient safety and supply chain efficiencies. With this successful event, GS1 Singapore is looking to organise another event together with partners in the future.



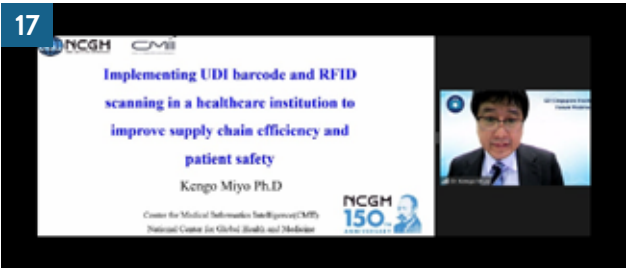
10. Mr Andy Siow, Senior Manager of GS1 Singapore, started off the session with a short introduction on securing trust in the Healthcare Supply Chain
11. Mr Hanno Ronte, Partner at Monitor Deloitte, UK, shared about Trust in LifeSciences: A driver of success, supported by standards. Lessons from pandemic vaccines and beyond.
12. Ms Tania Snioc, Director Health Operations at GS1 Global Office, Brussels, shared about enabling standardisation in the clinical trial supply chain
13. Mr Lawrence Koh, Executive Vice President of Group Procurement for Health Management International shared insights on embarking digital transformation in the hospital supply chain by using GS1 Standards from optimising procurement to enhancing patient safety.



14. Mr Mervin Toh, Founder of OPSOLUTIONS shared insights on building a trusted brand by actively protecting your products from counterfeits

15. Mr Gabriel Ding, Business Development Manager at SATO Asia Pacific shared about Innovative healthcare labelling solution to meet different needs

16. Dr Shih-Chung Huang, Attending Physician of Cardiology, Department of Medicine, Director of Medical Education & Research Centre, (KAFGH), Taiwan, shared the experience of clinical UDI applications with smart medical management system relying on GS1 standards



17. Dr Kengo Miyo, Chief Medical Information Officer at National Centre for Global Health and Medicine, Japan, shared about implementing UDI barcode and RFID scanning in a healthcare institution to improve supply chain efficiency and patient safety

18. Ms Rie Matsui, Pfizer Japan, shared the latest trends in Pharmaceutical Labelling in Asia

3) Supply Chain Design and Optimisation, 19 January 2022

To thrive in a volatile situation resulting from pandemic and unforeseen events, businesses need to adopt a more flexible approach to overcome supply chain challenges and keep their supply chain intact. Changes in consumer behaviours during the pandemic like lowering the threshold for delivery times and raising the requirements for a positive customer experience require an agile supply chain that can harness the power of automation to optimise fulfilment and handle accelerated demand with ease.

In collaboration with Exceedra Pty Ltd, Mixmove and SIMTech, the webinar received more than 100 registrations who are mainly manufacturers, brand owners, operations managers, and distributors who are keen to learn more about maximising profitability and enhancing global supply chain visibility.



- 19. Mr Anders Nordahl, COO for Mixmove and Head of Product for Orchestra SCS, started off the session by sharing about maximising warehouse throughput using AI cross-docking
- 20. Mr Simon Elsby, Sales Director APAC of Exceedra, shared about Integrated planning & optimisation solutions for driving productivity and maximizing profitability
- 21. Mr He Wei, Principal Research Engineer at SIMTech, A*STAR shared about Supply Chain Track & Trace from Inventory to Customer's Doorstep delivery
- 22. Interactive Q&A session with the three speakers.

SME Centre @ SMF

The SME Centre@Singapore Manufacturing Federation (SMEC@SMF) was established in May 2005 as one of the Associated Services of the SMF. Supported by Enterprise Singapore, SMEC@SMF provides small and medium enterprises (SMEs) with easy access to business advisory to help them start, sustain, and grow their businesses. As a one-stop bespoke Centre, SMEC@SMF provides complimentary assistance and services including in-depth diagnosis advisory, capability workshops, group-based upgrading projects, and information on government schemes to the SMEs.

The SMEC@SMF has also expanded into the heartlands to further assist and aid SMEs and Startups via its two satellite centres – SME Centre@Northwest Community Development Council and SME Centre@Southwest Community Development Council.

The SME Centre@SMF is ISO 9001 certified, and it is committed to provide quality services to the SMEs and aspiring entrepreneurs through its pool of well-trained business advisors and business development advisors.

The SMEC@SMF is pleased to share that it has achieved all targets set by Enterprise Singapore for FY 2021/22.

- Attended to over 5800 one-on-one Advisory Cases
- Facilitated over 800 cases covering both grant and non-grant related, such as diagnostic tools
- Organised 25 Capability Workshops, which were attended by more than 1300 SMEs
- Successfully assisted in 3 Group-based Upgrading Projects (with minimum 10 companies on board each project)
- On-board 28 SMEs for Partners for Business Growth Programme (PBG)

SMEC@SMF BOARD OF DIRECTORS

Chairman	Directors
Mr David Chia	Mr Eddie Lim
Beckhoff Automation Pte Ltd	Jil & Yellowtail Pte Ltd
Deputy Chairman	Mr Lawrence Pek
Ms Vivian Chua	Singapore Manufacturing Federation
HP Singapore (Pte) Ltd	
	Independent Director
	Mr Willson Deng
	Arcstone Pte Ltd

Implementing robotic process automation for SMEs

Robotic Process Automation (RPA) is an emerging technology that can help SMEs automate their mundane, repetitive tasks, enabling them to manage their business operations more efficiently. Given that many SMEs face hiring challenges, the automation of basic repetitive tasks would value-add and increase productivity for the companies. There are available RPA solutions in the market, such as automating accounts receivables and sending out invoices to clients. Hence, SMEC@SMF rallied ten companies to work with potential RPA providers to automate their work processes. A webinar was also held to introduce RPA and guide SMEs in transforming and automating business processes to remove manual processes.

This initiative to introduce RPA to SMEs is under the Group-Based Upgrading (GBU) project by Enterprise Singapore. Through SMEC@SMF, the GBU project helps aggregate SMEs' common capability needs and facilitate group-based solutions for mass deployment. Individually, SME owners may face resource constraints in their capability and growth efforts. By pooling resources and ideas together, the group can discover collective solutions to tackle common problems and overcome challenges together.

Partners for Business Growth Programme (PBG Programme)

The PBG Programme started as a 2-year pilot in October 2020 by Enterprise Singapore, in partnership with SME Centres such as SMEC@SMF, to offer enhanced initiatives that go beyond the usual scope of support. This programme is for promising enterprises that demonstrate an ability to accelerate growth and are keen to transform their business in areas such as digitalisation, automation, talent development, and internationalisation.

Through Business Development Advisors (BDAs) who provide dedicated support to on-boarded SMEs, SME Centres collaborate with these enterprises to develop business growth plans and support implementation efforts, thereby providing deeper and longer-term engagements for these SMEs.

An example of activity under the PBG Programme is the Bootcamp, where SMEs are invited to networking opportunities and learn how to elevate their business management capabilities from prominent speakers. The Bootcamp was a resounding success, whereby SMF members shared that they had acquired new knowledge on transforming their businesses in the uncertain business operating environment brought about by the COVID-19 pandemic.

Business Transformation for SMEs towards I4.0

SMEs account for 99% of enterprises in Singapore and have long played a critical role in the country's economic transformation. In the same vein, SMEs are set to be the driving force behind Singapore's journey into the I4.0, with Singapore government's support to transform SMEs to drive business growth. To encourage SMEs to transform their business towards I4.0, the SMEC@SMF organised a webinar on 28 July 2021, which over 90 participants attended. The webinar had McKinsey & Company present ways to maximise manufacturing capability and revenue generation through industry 4.0-value creation.

Business Transformation for SMEs toward I4.0

Industrial revolution is defined as the major changes and transition in manufacturing and industrial process with new innovative technologies



1784
Machines Powered
by water and steam
Industry 1.0



1870
Electricity & Steel
Mass Production
Industry 2.0



1969
Electronics, Automation,
Computers
Industry 3.0



Today
Cyber-Physical
System
Industry 4.0

SMEC Workshop Series: Food Innovation

Singapore is evolving into a food tech and innovation hub of Asia, with support from the Singapore government to encourage food companies to innovate and achieve the national food security goal of “30-by-30”. To support the government’s effort in achieving the 30-by-30 goal, the SMEC@SMF organised a Food Innovation workshop under the SMEC Workshop series on 19 August 2021. For this workshop, SMEC@SMF worked with key partners to provide recommendations and grant/non-grant support that could help food companies improve their processes and increase productivity. The webinar was attended by 124 participants from 116 companies.



SME Centre Conference 2021

The SME Centre Conference was held on 23 September 2021 virtually. Over 300 participants attended the annual business event, which brings small and medium enterprises (SMEs) together to learn how to grow and transform their businesses. Jointly organised by the SME Centres such as the SMEC@SMF and supported by Enterprise Singapore, the conference provides SMEs with fresh business ideas, as well as actionable insights from industry leaders and experts to stay ahead amid the fastchanging business environment.

Amid the Covid-19 pandemic, there are new challenges as well as opportunities. With its theme “Unleash business growth, transform for success”, the conference focuses on the need for SMEs to adapt, innovate and realign business strategies to stay relevant and unleash their fullest growth potential. A panel discussion titled “The transformation journey – success at every step” was held where SME representatives shared their transformation journey for business growth.



Minister of State for Trade & Industry Ms Low Yen Ling was the Guest of Honour for the SME Centre Conference 2021.



A panel discussion was held with (from left to right:) Mr Ang Yuit (Vice President, Association Small and Medium Enterprises), who was the moderator for the panel, Mr Lucas Lin (Co-Founder, Mr Coconut), Ms Sara Sze (Founder, An Order of Bling Pte Ltd) and Mr Jeffrey Tan (Chief Executive Officer, AOX Pte Ltd).

Profitability sustainability for SMEs

In recent years, corporate sustainability has become a vital mainstream of business discourse for many organisations. Yet, SMEs may not know how to implement sustainability initiatives and may require indepth sharing to learn how to be more sustainable. In this regard, the SMEC@SMF and OCBC Bank co-organised a webinar on 24 February 2022 to share how companies could approach sustainability whilst maintaining profitability and unlocking new investment opportunities for SMEs. The webinar attracted more than 100 participants to attend.



SMF Standards Development Organisation (SMF-SDO)

Since 1 April 2011, the SMF has been appointed by Enterprise Singapore as a Standards Development Organisation (SDO). The SMF-SDO manages four Standards Committees: Biomedical and Health Standards Committee; Food Standards Committee; Manufacturing Standards Committee; and, Quality and Safety Standards Committee.

SMF-SDO oversees the development of over 350 standards under the four Standards Committees, and manages 22 Technical Committees and 87 Working Groups. It also oversees Singapore’s participation in in over 70 Participating and Observer memberships in the ISO/IEC Technical Committees. For this financial year, it completed 48 standards and organised 19 promotional activities, covering launches, standards adoption workshops, strategic planning sessions, and media engagements.

SMF-SDO STEERING COMMITTEE

The SMF-SDO Steering Committee meets biannually to review the work plan of the four Standards Committees, key performance indicators and key service performance indicators, with the aim to provide guidance and strategic inputs to SMF-SDO on areas of improvement.

Chairman

Mr Tan Boon Chong
Chairman, Electrical, Electronics
and Allied Industries (EEAI) Industry
Group, SMF

Industry Representatives

Mr Henry Tan JP (Rtd), PBM
Chairman, Medical Technology
Industry Group, SMF

Mr David Chia

Chairman, Smart Automation
Industry Group, SMF

Mr Vincent Wong

Chairman, Technology and
Transformation Function Committee,
SMF

Mr Ng Tian Beng

Chairman, Health, Safety, Security
and Environment Function
Committee, SMF

Ms May Yap

Chairman, Packaging Council of
Singapore Industry Group, SMF

Mr Sze Thiam Siong

Chairman of the Testing, Inspection
and Certification Interest Group,
EEAI Industry Group, SMF

Mr Mohan Kumar

Chairman, Life Sciences Industry
Group, SMF

Mr Cheong Chung Kin

Chairman, Food & Beverage Industry
Group, SMF

SMF Representative

Mr Lawrence Pek
Secretary General, SMF

Standards Committee

Representatives

Dr Yong Chern Chet
Chairman, Biomedical and Health
Standards Committee

Dr Allan Lim

Chairman, Food Standards
Committee

Dr John Yong Ming Shyan

Chairman, Manufacturing Standards
Committee

Er. Ismadi Mohd

Chairman, Quality and Safety
Standards Committee

Enterprise Singapore Representatives

Mr Sim Choon Siong
Mr Cheong Tak Leong

TR 68 : 2021 Autonomous vehicles

The Technical Reference (TR) 68 Autonomous Vehicles (AV), Singapore's provisional national standards to guide AV development, were successfully reviewed and launched on 3 September 2021. The TR 68 has been adopted and used by the Land Transport Authority (LTA) and the industry to develop and deploy fully autonomous vehicles since 2019. Developed by four Working Groups led by the Automotive Technical Committee under the Manufacturing Standards Committee, the revised TR 68 covers areas of improvement in AV basic behaviour, safety, cybersecurity, and, data types and formats.

TR 78:2020 Building façade Inspection using Unmanned Aircraft System (UAS)

The SMF-SDO was awarded the 2021 Minister's Award from the Minister for National Development Mr Desmond Lee on 6 August 2021. This was in recognition of the organisation's contributions towards the development of the Technical Reference (TR) 78:2020 Building Façade Inspection using Unmanned Aircraft Systems (UAS). The TR 78 enables the use of UAS to perform facade inspection safely, efficiently and consistently. It is also the world's first TR for the usage of UAS to perform building facade inspection, thus setting a new benchmark of quality assurance in the industry for UAS solutions.



The SMF-SDO was awarded the 2021 Minister's Award from Minister for National Development Mr Desmond Lee.



SS 668 : 2020 Cold chain management of chilled and frozen foods

With the growing demand for chilled and frozen food, the Singapore Standards (SS) 668 : 2020 Cold chain management of chilled and frozen foods was launched together with the Singapore Food Agency (SFA) on 1 October 2021. This set of standards is intended to strengthen Singapore's cold chain ecosystem with a General Requirement and Code of Practice for chilled and frozen food management.

The SS 668 sets out organisational goals, policies and technical requirements that are vital to the cold chain management

process for food products and will help businesses better safeguard the safety and quality of their frozen food products. The standard applies to all organisations involved in chilled and frozen food. It can benefit them in ensuring a temperature-controlled environment throughout the supply chain, product freshness and meeting regulatory requirements. The SS 668 also help businesses manage the risk of food spoilage and align the practices across the industry and the value chain.

SS 681 Code of Practice for Sport

The Singapore Standard (SS) 681 : 2022 Code of Practice for Sport was officially launched on 15 March 2022 by Mr Eric Chua, Senior Parliamentary Secretary for Culture, Community and Youth, and Social and Family Development. The SS 681 aims to provide practical guidelines and international best practices to raise the sports safety standards in Singapore. With rising interest and changing sports trends due to increased participation in extreme, ultra-endurance, combative and mass-participation sport, developing a coherent Code of Practice will ensure consistent and safe sport practices.

The working group, which was led by Sport Singapore (SportSG), developed the standard based on the Sports Safety Committee Report 2019. The SS 681 emphasises the roles and responsibilities of different stakeholders, including participants, within the sporting ecosystem. SS 681 also makes recommendations for key responsibilities to be assigned to specific personnel for risk monitoring and review, including communication and training of team members on risk management to equip sports organisers better in identifying the source of risks.

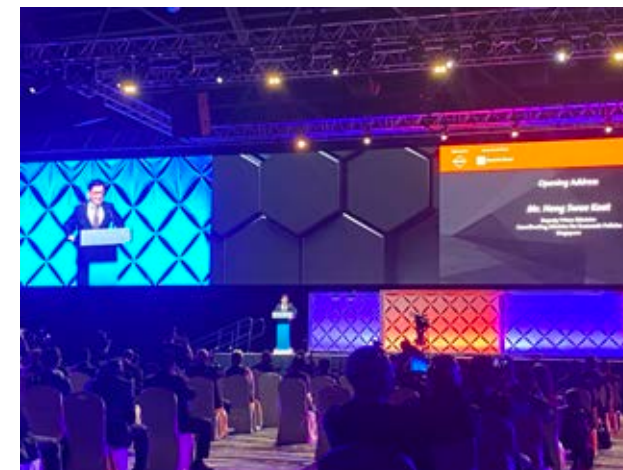


Senior Parliamentary Secretary for Culture, Community and Youth, and Social and Family Development, Mr Eric Chua (bottom row, extreme right), launched the SS 681 Code of Practice for Sport on 15 March 2022.

Workshop Agreement 01: 2021 on Cybersecurity Self-Evaluation Checklist and Guidelines for Digitalisation in Manufacturing

The Workshop Agreement (WA) on Cybersecurity self-evaluation checklist and guidelines for digitalisation in manufacturing was developed by industry partners to help manufacturing companies identify cybersecurity gaps as they digitalise, mitigate risks such as unauthorised access and operational disruptions, and determine their cybersecurity readiness level. It is also a new Standards deliverable that Enterprise Singapore and the Singapore Standards Council (SSC) piloted with the SMF-SDO to fast-track Standards that address urgent industry needs. The WA was developed based on international standards and industry practices and references ISO / IEC 27000 on Information security management systems, and IEC 62443 Industrial communication networks - IT security for networks and systems. The WA was launched by Deputy Prime Minister and Coordinating Minister for Economic Policies Mr Heng

Swee Keat at the Industrial Transformation Asia-Pacific (ITAP) 2021 on 22 November 2021.



Deputy Prime Minister and Coordinating Minister for Economic Policies Mr Heng Swee Keat launch the WA on Cybersecurity self-evaluation checklist and guidelines for digitalisation in manufacturing during his opening address at ITAP 2021.

Management And Function Committee

ETHICS & CORPORATE GOVERNANCE MANAGEMENT COMMITTEE

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Committee Member Mr Wayne Sim Sing Chye Heng Investment Holdings Pte Ltd	Mr Tan Boon Chong GP Batteries International Ltd	

FINANCE MANAGEMENT COMMITTEE

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Committee Member Mr Ryan Chioh, PBM FarEastFlora.com Pte Ltd	Mr Khor Boon Hong Baker Tilly Consultancy (Singapore) Pte Ltd	Senior Advisor Mr Sam Sim
Mr Melvin Tan Cyclect Holdings Pte Ltd	Ms Pong Siew Inn PKF-CAP LLP	

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Committee Member Mr Neo Sing Hwee Ernst & Young Singapore Consulting Practice	Mr Low Soon Teck Kuok (Singapore) Limited	

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		Mr Dharendra Shantilal Learning Initiative Asia Pte Ltd

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Deputy Chairman Mr Andrew Lim Singtel Group Enterprise	Mr Wayne Sim Sing Chye Heng Investment Holdings Pte Ltd	India, Africa, Middle East and Central Asia Regional Business Group
Americas Regional Business Group Regional Head Ms Vivian Chua HP Singapore (Pte) Ltd	China and Northeast Asia Regional Business Group Regional Head Mr Poh Choon Ann, PBM Poh Tiong Choon Logistics limited	Co-Regional Head Mr Mohan Kumar Strides Pharma Global Pte Ltd
		Mr Desmond Tay GUUD Singapore Pte Ltd

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	Ms May Yap LHT Holdings Limited	Mr Tony Mochala Chemtron Pte Ltd
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	Mr Vincent Lee Dell Global B.V. (Singapore Branch)	

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Committee Member Mr Henry Tan JP (Rtd), PBM Alpha-Health (Asia) Pte Ltd	Mr Chan Hai Kiang Flexspeed Technology Pte Ltd	Mr Mohan Kumar Strides Pharma Global Pte Ltd
	Mr Tan Boon Chong GP Batteries International Ltd	Mr Cheong Chung Kin Win Sin Pte Ltd
	Mr Benjamin Lim Iwa Design Pte Ltd	

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	Mr Kimming Yap Creativeans Pte Ltd	Mr Ryan Yap YCH Group Pte Ltd

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“Attract” Chapter Lead Mr Peter Isaac Chan IPS Group Pte Ltd	“Connect” Chapter Lead Mr Ryan Yap YCH Group Pte Ltd



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