



SMF

ANNUAL

REPORT

2022/23

FULL
SPEED
AHEAD

TOWARDS A NEW ERA OF MANUFACTURING



SINGAPORE
MANUFACTURING
FEDERATION
新加坡制造商总会
SINCE 1932

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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,

The financial year 2022/2023 saw borders reopening and COVID-19 restrictions gradually relaxing as the global population received vaccinations against the virus. Significantly, the reopening of China's borders in January 2023 brought hope for relief from supply chain disruptions.

The reopening of economies, while very much welcomed, led to a global inflation surge, with Singapore feeling the impact. Consumer prices in Singapore rose by 6.1% in 2022, the steepest since 2008, as per the Monetary Authority of Singapore (MAS). Post-pandemic operational recovery was tough for many businesses, especially those relying on foreign workers. Border restrictions and previous layoffs contributed to high demand for workers, leading to wage increases. The Russia-Ukraine conflict in 2022 continues to add fuel to the already raging fire of inflation, particularly impacting commodities such as oil and gas, fertiliser, wheat, and edible oils. The repercussions were evident in Singapore: higher electricity, rental, interest rate and transport costs.

The manufacturing sector was not immune. Despite an uptick in transport engineering, overall output went down for nine months consecutively, with manufacturing output falling 4.9 per cent year on year in June 2023. Fortunately, compared to May 2023's 10.5 per cent decline, contraction has slowed, signalling a possible turnaround for the sector.

In response to manufacturing challenges, SMF has realigned its strategies to usher our members into a new era of manufacturing. Based on insights from 2022 council workplans, we have identified four focus areas to strengthen manufacturing sectors: Sustainability, Human Capital, Internationalisation, and Productivity—acronym S.H.I.P. These areas are geared towards fostering growth, resilience, and meeting the Manufacturing 2030 goals set by the Singapore government. Our renewed commitment is also reflected in our updated SMF logo, symbolising a circular economy and technological advancements like AI. We presented these focus areas and our logo at the SMF 90th Gala Dinner on 25 March 2023, attended by over 1000 regional and global partners.

As safe management measures began to relax, we resumed in-person dialogues with key stakeholders from both governmental and private sectors. Addressing pressing manpower concerns, the SMF facilitated member dialogues with the Ministry of Manpower. We

were honoured to have Senior Minister of State for Defence and Manpower, Mr Zaqq Mohamad, in April 2022 and later, Manpower Minister Dr Tan See Leng, as well as Senior Minister of State for Sustainability and the Environment and Manpower, Dr Koh Poh Koon, in September 2022. These sessions underscore our dedication to ensuring our members stay abreast of prevailing government policies, while also granting them an avenue to communicate their manpower challenges directly to the Minister.

This fiscal year saw the SMF continue to extend a complimentary 12-month membership to new members. To provide insights to members and foster networking within the member base, our Membership and Industry Groups team orchestrated a diverse range of activities, such as site visits, industry connect activities, and new members' welcome events. Notably, the SMF held its inaugural Economic Forecast for 2023 on 25 November 2022. This esteemed gathering brought together the SMF Council members, the SMF Function and Management Committee members, and the Board of Directors from SMF's Associated Services.

In our commitment to sustainability, the SMF's Sustainability Task Force continued its good works. The Task Force has organised volunteer work involving SMF secretariat staff and members through Willing Hearts and distributing Care Packs to residents in Bukit Gombak Vista with Mayor Low Yen Ling. The SMF has also continued to administer the Packaging Partnership Programme (PPP) in close collaboration with the National Environment Agency (NEA) to bring more companies to familiarise with the Mandatory Packaging Reporting (MPR) requirements, and to update them on the new Beverage Container Return Scheme.

As we shift our focus towards human capital development, we unveil new training programmes. Through the SMF Centre for Corporate Learning (SMF CCL), the SMF held a ChatGPT workshop, which the SMF is proud to declare that the SMF is one of the first TACs to run a ChatGPT workshop. The SMF CCL also developed the first WSQ-funded sustainability course that is specifically catered to the manufacturing sector. Meanwhile, Global Ready Talent hosted a webinar on employer branding in November 2022. This initiative culminated in a manufacturing pavilion at the NTU Career Fair in February 2023, where six companies applied their learnings from the webinar, aiming to entice young talents to embark on careers within the manufacturing sector.

Moving on to Internationalisation, our reach has grown exponentially. Through forging new partnerships and Memorandums of Understanding (MOU) with overseas partners such as the Chamber of Commerce and Industry of Uzbekistan (CCI), Yantai Bureau of Commerce and the National Chamber of Commerce and Industry of Malaysia (NCCIM), the SMF ensured our members are embedded within a robust global network as they venture into global markets. Furthermore, the SMF proudly organised a Singapore Pavilion and the first-ever Halal Pavilion at the Food & Hotel Asia 2022, housing over 130 Singapore companies. During FHA 2022, the SMF also organised a networking dinner for exhibitors and international buyers, showcasing our exhibitors' products. The event received high acclaim, with many eager for the next FHA. Through our global initiatives, SMF aims to help members diversify supply chains and access new markets effortlessly.

Our focus on productivity remains unwavering. In a landmark move in 2022, the SMF's Singapore Innovation and Productivity Institute signed a MOU with the United Nations' World Intellectual Property Organization (WIPO), underscoring the significance of intellectual property in business growth. With the introduction of cutting-edge tools, such as the WIPO IP Diagnostics, the SMF is determined to arm businesses with the best resources, propelling them to success in today's vibrant marketplace. Additionally, the SMEC@SMF has conducted over 6,000 one-on-one business advisories with SMEs and the SMF-Standards Development Organisation (SMF-SDO) developed more than 50 Singapore Standards.

Together with my Council members, I thank all our stakeholders, our industry partners, the secretariat and our members for walking this journey with the SMF! I would like to extend my heartfelt gratitude to Vice President Mr Poh Choon Ann in particular for his leadership and meticulous efforts as the chair of the organising committee for the SMF 90th Gala Dinner, he was instrumental in the event's remarkable success!

I believe that with our new focus on S.H.I.P, we can better contribute to our mission of "Championing Manufacturing - A Partner in Nation Building". Let us sail the waves of challenges and emerge stronger in the new era of manufacturing!

Lennon Tan
SMF President



Year in a Glance

Compass™.

NOVEMBER 2022

Distribution of SMF Care Packs to residents of Bukit Gombak Vista – 5 November 2022

The SMF partnered with the South West Community Development Council (CDC) to participate in the Adopt@South West initiative. Together with Mayor Low Yen Ling, who is also the Minister of State for Trade and Industry & Culture, Community and Youth, the SMF distributed Care Packs to residents of Bukit Gombak Vista.

“Gearing Towards a Transformative Future” Seminar – 10 November 2022

The SMF Centre for Corporate Learning (SMF CCL) and SME Centre@SMF held a seminar titled “Gearing Towards a Transformative Future”, covering various key trends – Industry 4.0, sustainability and human capital – that are crucial for businesses as they navigate the current time and grow.

Inaugural Economic Forecast for 2023 – 25 November 2022

The SMF held its inaugural Economic Forecast for 2023 and Networking Dinner for SMF Council members, the different Committee members of the SMF Function Committees and Management Committees as well as the Board of Directors of the SMF's Associated Services. One of the esteemed speakers was Hungarian Ambassador to Singapore Her Excellency Ms Judit Pach, who shared insights on the economic and commercial landscape in Hungary.

DECEMBER 2022

Meeting with the President of the Confederation of Asia Pacific Chambers of Commerce and Industry (CACCI) Mr Samir Modi and his team – 23 November 2022

SMF President Mr Lennon Tan received CACCI President and his team at the SMF Building. The purpose of the visit was to explore possible avenues for collaboration.

The SMF celebrated Christmas with SMF members – 8 December 2022

The annual celebration had brief sharing sessions from Aspirexnt, SaasWorx, Global Ready Talent (GRT) team and the Packaging Partnership Programme (PPP) team. Besides that there were also Bingo, Lucky Draw, a game booth and food to sweeten the networking opportunities among members.

JANUARY 2023

Inaugural Food Tech 2023 and Launch of SS 687 – 13 January 2023

The SMF's Singapore Innovation and Productivity Institute (SIPI) and the SME Centre@SMF jointly organised Food Tech 2023 to showcase SMF's efforts in supporting the emerging food tech industry. The event saw over 100 participants from the food tech industry with various speakers and experts covering topics such as food trends, food safety, standards and regulations.

ISCA Pre-Budget Roundtable 2023 – 19 January 2023

SMF President Mr Lennon Tan participated in the annual Institute of Singapore Chartered Accountants (ISCA) Pre-Budget 2023 Roundtable to share SMF members' wishlist for the Singapore Budget 2023. The roundtable gathered business leaders from trade associations and chambers (TACs) as well as government and accounting entities, where they spoke about how the global economy is at a crossroads, posing new challenges to Singapore. The SS 687 Guidelines for food e-commerce was also officially launched at Food Tech 2023 by Minister for Sustainability and the Environment, Ms Grace Fu.

APRIL 2022

Dialogue Session with Senior Minister of State for Manpower and Defence Mr Zaqu Mohamad – 14 April 2022

The SMF was honoured to have Senior Minister of State for Manpower and Defence Mr Zaqu Mohamad for a closed-door dialogue session with SMF members. SMS Zaqu discussed manpower-related matters in relation to the recent Committee of Supply debates in Parliament.

Packaging Partnership Programme Virtual Roundtable Engagement – 25 April 2022

More than 300 attendees logged in to hear how their companies can fulfil their Mandatory Packaging Requirements (MPR).

MAY 2022

Industry Connect Networking Session – 26 May 2022

The SMF held its 3rd Industry Connect Networking Session that brought together SMF members from the Food & Beverage (F&B), Lifestyle (LIG), as well as the Advanced Engineering and Manufacturing (AEM) Industry Groups. Event partners include RHB Singapore, Hypernet and Pagero.

JUNE 2022

Dialogue session with JTC Corporation – 17 June 2022

SMF President Mr Lennon Tan hosted JTC CEO Mr Tan Boon Khai and his delegation for a visit and dialogue session. During the session, JTC shared its plans for the near future in relation to industrial estates and questions received from SMF members were put forth for discussion.

MOU signing with Montgomery Events Asia for Food2Go – 23 June 2022

The SMF signed a MOU with Food2Go, a business event for F&B takeaway and delivery innovations. Under the MOU, the event is intended to be anchored in Singapore for a minimum of three years.

JULY 2022

The SMF Organises the SAF Day Combined Rededication Ceremony (CRC) for the East Zone for the 10th Consecutive Year – 1 July 2022

SAF Day 2022 also coincides with the 55th Anniversary of Singapore's National Service. The theme – “Generations of Strengths” recognises the many generations of National Service personnel who have served the country with unwavering dedication, pride and strength. Mr Masagos Zulkifli, Minister for Social and Family Development, Second Minister for Health and Minister-in-charge of Muslim Affairs as the Guest Of Honour and the Officiating Minister of the SAF Day CRC 2022 (East Zone).

AUGUST 2022

MOU Signing with the United Nations' World Intellectual Property Organization (WIPO) – 24 August 2022

SMF President Lennon Tan and Singapore Innovation and Productivity Institute (SIPI) Chairman Ms Audrey Yap signed the MOU with WIPO Director General Mr Daren Tang. The MOU aims to support Singapore companies in growing their business through the strategic use of their Intellectual Property (IP).

SEPTEMBER 2022

The Singapore Packaging Star Awards (SPSA) Ceremony and Gala Dinner – 2 September 2022

The SPSA Ceremony was held in person after two years! This year, the awards recognised 23 packaging designs, with eight designs from students from Nanyang Polytechnic and Temasek Polytechnic.

Dialogue Session with Minister for Manpower and Second Minister for Trade and Industry Dr Tan See Leng, and Senior Minister of State for Manpower, Sustainability and the Environment Dr Koh Poh Koon – 6 September 2022

Both ministers addressed manpower concerns from SMF members, such as the recent launch of the Overseas Networks & Expertise Pass (ONE Pass), hiring of foreign workers in specific regions, and workplace safety.

The SMF held the second installment of the SMF Council Workplan – 16 September 2022

This session revolved around five main topics: sustainability, internationalisation, human capital, innovation, and productivity. Enterprise Singapore's Assistant Chief Executive Mr Soh Leng Wan also joined the Workplan and contributed to the discussions.

The SMF held its Annual General Meeting in person – 22 September 2022

This is the first AGM for the current council for the term of 2021 to 2024. At the AGM, SMF President Mr Lennon Tan addressed the general membership, providing an update on SMF's activities and sharing on plans for the year ahead. All Resolutions on the agenda were then passed by members.

OCTOBER 2022

The SMF held the inaugural PPP x PCS Conference – 7 October 2022

Themed “Moving Towards Extended Producer Responsibility for Packaging”, the hybrid conference had industry experts shared their knowledge on sustainability packaging and the extended producer responsibility for packaging waste management. The Conference also saw the launch of a new technical reference (TR) 109 for sustainability packaging practices. TR 109 provides a guiding framework for companies to adopt practices in line with the objective of the Mandatory Packaging Reporting (MPR) scheme requirements.

MOU signing with the Institute of Singapore Chartered Accountants (ISCA) – 12 October 2022

The MOU was signed by SMF President Mr Lennon Tan and ISCA President Mr Teo Ser Luck. Through the MOU, both organisations aim to support members in the manufacturing and accountancy sectors via knowledge exchange and workshops in the areas of: training and general awareness; internationalisation; and, sustainability.

MOU signing for Green Compass™ – 19 October 2022

The SMF, together with TÜV SÜD, the Agency for Science, Technology and Research (A*STAR), JTC, Enterprise Singapore, the Singapore Precision Engineering and Technology Association (SPETA) and Singapore Polytechnic, signed a MOU to pledge our commitment in helping businesses navigate their way on their environmental sustainability journey with Green

Lunar New Year Celebration with SMF Members – 31 January 2023

The SMF Community came together to welcome the Year of the Rabbit! The event had Feng Shui reading, traditional lion dance performance, and tossing of the auspicious Lo Hei! At this auspicious event, the SMF also commemorated our partner RHB Singapore, for their support towards the Federation over the past few years. The SMF and RHB Singapore will continue to collaborate to bring more benefits to SMF members.

FEBRUARY 2023

The SMF Welcomes the Menteri Besar of Johor – 13 February 2023

The Menteri Besar of Johor, Yang Amat Berhormat Datuk Onn Hafiz Ghazi chaired the Johor-Singapore Business Forum at the SMF. His high-profile delegates including the High Commissioner of Malaysia to Singapore His Excellency Dato Dr Azfar Bin Mohamad Mustafar, Yang Berhormat Datuk Lee Ting Han and Mr Jeevan Singh, Consul-General of the Consulate-General of the Republic of Singapore in Johor Bahru, were present to engage with Singapore business leaders and Trade Associations and Chambers (TAC) representatives.

MARCH 2023

The SMF Hosts the Second General Meeting of the Asia Business Creation Platform – 16 March 2023

The SMF hosted the second general meeting of the Asia Business Creation Platform (ABC Platform) in collaboration with the Kansai Economic Federation (Kankeiren), bringing together a diverse delegation from Kankeiren and Trade Associations and Chambers (TACs) across the ASEAN region, including representatives from Indonesia, Malaysia, Myanmar, the Philippines, Thailand, and Vietnam.

MOU Signing with the National Chamber of Commerce and Industry of Malaysia (NCCIM) – 24 March 2023

The SMF welcomed NCCIM President Tan Sri Dato' Soh Thian Lai and his delegates from various Trade Associations and Chambers in Malaysia. During the visit, a MOU was signed between SMF and NCCIM where they aimed to support their respective members in connecting and collaborating with one another, fostering business growth and contributing to the economies of both our countries.

The SMF Celebrates its 90th Anniversary – 25 March 2023

The SMF celebrated its 90th Anniversary with about 1,000 local and overseas distinguished guests attending the dinner. Dr Tan See Leng, Minister for Manpower and Second Minister for Trade and Industry was the Guest-of-Honour. The event saw three MOUs signed with three Institutes of Higher Learning – Singapore University of Social Sciences (SUSS) (left image), Ngee Ann Polytechnic (NP) (middle image) and Temasek Polytechnic (TP).

Launch of New SMF Logo and SMF's Four Focus Areas – 25 March 2023

The SMF launched its new logo and its four focus areas during the SMF 90th Anniversary Gala Dinner. The new SMF logo symbolises a fresh renewal and our commitment to collaboration, circularity, and innovation such as Artificial Intelligence (AI). The four focus areas – Sustainability, Human Capital, Internationalisation and Productivity – acronym S.H.I.P., were identified by the Council to guide the SMF on its renewal journey. These focus areas are geared towards achieving the Singapore Manufacturing 2030 Vision envisaged by the Ministry of Trade and Industry.

Key Figures and Statistics

ABOUT

5,000

MEMBERS (SMES, MNCS AND AFFILIATE MEMBERS)

ABOUT

100

EVENTS ORGANISED

ABOUT

10

MEMORANDUM OF UNDERSTANDING SIGNED

320

TRAINING CLASSES HELD BY SMF CENTRE FOR CORPORATE LEARNING

3,030

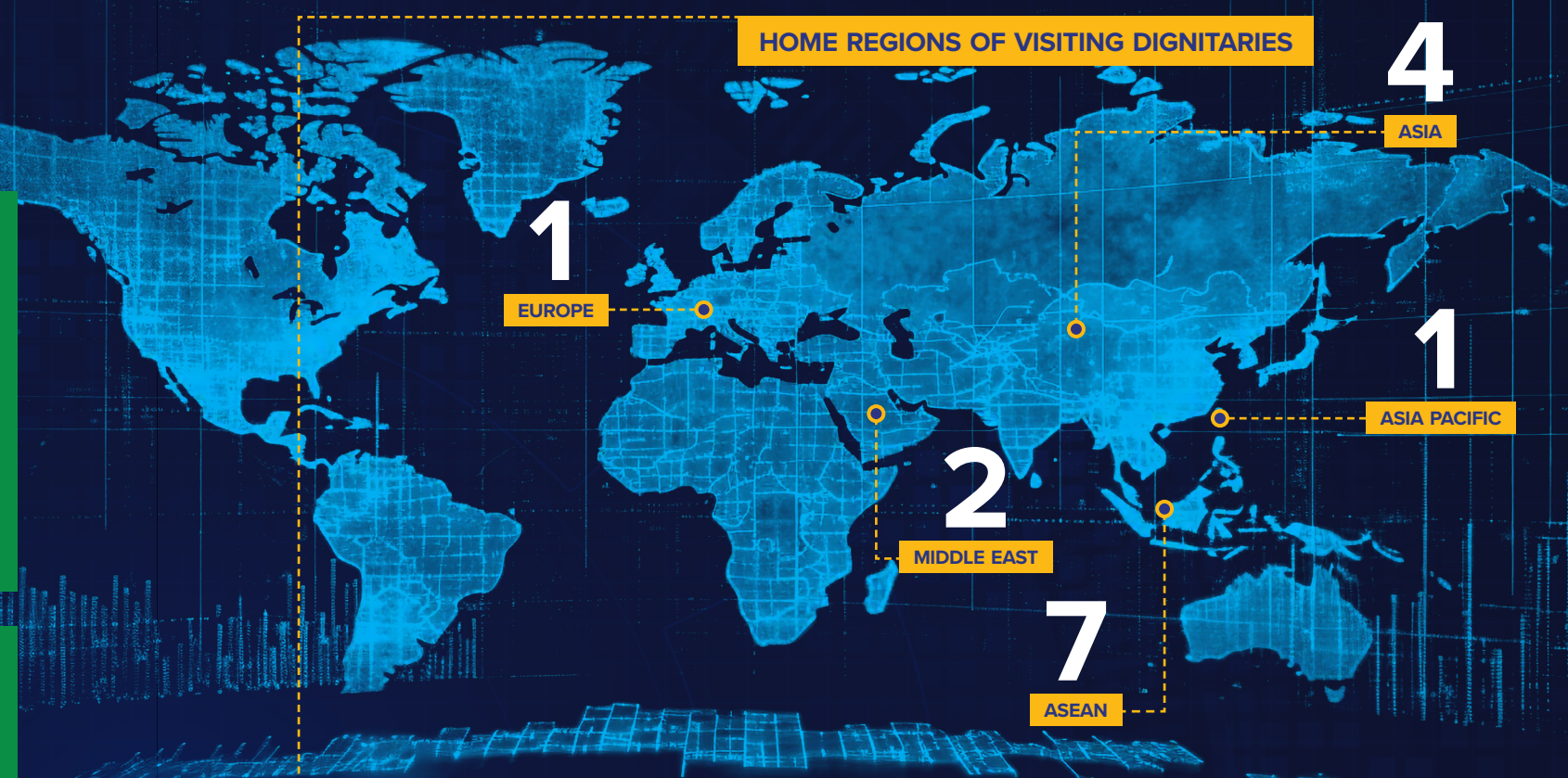
PARTICIPANTS TRAINED BY SMF CENTRE FOR CORPORATE LEARNING

812

INTERNS WENT THROUGH GRT PROGRAMME

243

COMPANIES BENEFITTED FROM THE GRT PROGRAMME



15

AMBASSADORS, MINISTERS AND OTHER VIPS RECEIVED

95

DELEGATES

12

DELEGATIONS

ABOUT

6,000

ONE-ON-ONE BUSINESS ADVISORIES CONDUCTED WITH SMES

ABOUT

50

SINGAPORE STANDARDS DEVELOPED

AWARDS RECEIVED BY THE SMF:



BizSAFE Partners



NSMark Gold



Cyber Trust Mark

Membership Profile

SMEs 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.

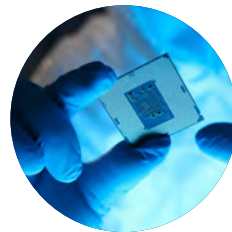
SMF'S INDUSTRY GROUPS



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:



Certificate of Origin Office

Issues, endorses and certifies Certificates of Origin and other supporting documents.



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
Chairman, SMF Enterprises Pte Ltd
Group Chairman, ADERA Global Group



Mr STEPHEN HO
Vice President
Chairman, Risk Review Committee
Director and Chief Executive Officer, Hong Leong Asia Ltd

Mr RYAN CHIOH BBM
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
Vice President and Honorary Secretary
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)

Ms AUDREY YAP

Vice President and Honorary Treasurer
Chairman, Finance Management Committee
Chairman, Singapore Innovation & Productivity Institute Pte Ltd

Managing Director, Yusarn Audrey LLC



Mr ALESSANDRO PERROTTA
Vice President
Chairman, Membership & Industry Groups Function Committee
Chairman, Global Business Groups Function Committee
Group Chief Executive Officer, Interplex Holdings Pte Ltd



Mr VINCENT WONG
Chairman, Technology & Transformation Function Committee
Director, Research & Advanced Engineering Singapore,
Continental Automotive Singapore Pte Ltd

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 EUGENE YOO

Chairman, Youth Network Function Committee
General Manager, ANZ, IN & S. Asia, KR, SEA, TW (Surgical Vision),
Johnson & Johnson Pte Ltd



Council Members



Mr DOUGLAS FOO BBM
Immediate Past President
Chairman, Sakae Holdings Ltd



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



Ms MARGARETA LAMINTO
Chairman, SMF Centre for
Corporate Learning Pte Ltd
**Group Chief Commercial and
Sustainability Officer, Fullerton
Health Pte Ltd**



Mr LOW SOON TECK
Council Member
**Managing Director, Executive
Office
Kuok (Singapore) Limited**



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



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



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



Mr STEVEN LIM
Council Member
**Founder and Group CEO
RSTN Consulting Pte Ltd**



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



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



Ms VIVIAN CHUA
Deputy Chairman, Technology &
Transformation Function Committee
Deputy Chairman, SME Centre@
SMF Pte Ltd
**Head of Services and Solutions,
Greater Asia (HP PPS Asia Pacific
Pte Ltd), HP Singapore (Pte) Ltd**



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



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



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



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



Dr LEE SHIANG LONG
Council Member
**Group Chief Technology &
Digital Officer | Chief Technology
Officer, Defence & Public Security
Cluster, Singapore Technologies
Engineering Ltd**



Mr TAN CHENG GUAN
Chairman, Energy & Chemicals
Industry Group
**Executive Vice President, Office
of the Group President & CEO,
Sembcorp Power
Pte Ltd**



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



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



Mr BERNARD LIM
Council Member
**Chief Executive Officer and
Executive Director, Tai Sin Electric
Limited**



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



Mr NEO SING HWEЕ
Council Member
**Partner | Global Client Service
Partner, Temasek & Government &
Public Service, Ernst & Young**



Mr ANTHONY TAN
Council Member
**Head Merger & Acquisition, Asia
Pacific, Middle East & Africa
Region
KONE Pte Ltd**



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

The SMF thanks Mr Poh Choon Ann of Poh Tiong Choon Logistics Limited for his service over the years.
(Resigned as of June 2023).

Board of Governors

At the Annual General Meeting on 20 September 2013, a decision was made to form a Board of Governors (BOG) to enhance the Federation's corporate governance and accountability practices. It also serves as an additional avenue to safeguard the interests of the SMF.

The BOG is to consist of at least three but not more than seven persons. Governors must be Past Presidents, Past Deputy Presidents of the SMF, or, Eminent Persons appointed by the Board. The term of office of the BOG shall end six months after the conclusion of the Annual General Meeting of an election year.

Mr George Yeo, Mr Renny Yeo and Mr Bob Tan were appointed by the Council as Governors on 28 January 2014, forming the inaugural BOG. In December 2018, Mr George Huang became the Chairman of the BOG. The current BOG now consists of Mr George Huang (Chairman), Mr George Yeo and Mr Robert Chua.



Mr **GEORGE HUANG** PBM, DSM



Mr **GEORGE YEO**



Mr **ROBERT CHUA** PBM, BBM

SMF Corporate Structure

MEMBERS

BOARD OF GOVERNORS + **COUNCIL** + **BOARD OF INTERNATIONAL ADVISORS**

EXCO MEMBERS

President
Deputy President
Honorary Secretary
Honorary Treasurer
Vice Presidents
Management Committee Chairmen
Function Committee Chairmen

INDUSTRY GROUPS

- Advanced Engineering and Manufacturing
- Electrical, Electronics & Allied Industries
- Life Sciences
- Packaging Council of Singapore
- Building Products & Construction Materials
- Energy & Chemicals
- Lifestyle
- Smart Automation
- Food & Beverage
- Medical Technology

SMF ENTERPRISES PTE LTD

- SMF Centre for Corporate Learning Pte Ltd
- SME Centre@SMF Pte Ltd
- Singapore Innovation & Productivity Institute Pte Ltd

SMF COMMITTEES

- | | | |
|---|---|---|
| Management Committees: <ul style="list-style-type: none"> • Ethics and Corporate Governance • Finance • Secretariat | Function Committees: <ul style="list-style-type: none"> • Global Business Groups <ul style="list-style-type: none"> – Americas Regional Business Group – ASEAN, Australasia and Oceania Regional Business Group – China and North East Asia Regional Business | <ul style="list-style-type: none"> • Health, Safety, Security & Environment • Membership & Industry Groups • Public Relations & Corporate Communications • Technology and Transformation • Youth Network |
|---|---|---|

GS1 SINGAPORE LIMITED

SMF STANDARDS DEVELOPMENT ORGANISATION SUPPORTED BY THE SECRETARIAT

The SMF Secretariat



Council Members Serving on Government Statutory Boards and 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, The Advisory Council on Community Relations in Defence (ACCORD) Employer & Business (E&B) Council

MR RYAN CHIOH, BBM

Deputy President, SMF

Co-Chairman, Health, Safety, Security and Environment Function Committee

Trustee, SMF Enterprises Pte Ltd

Director, SMF Enterprises 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

Vice President and Honorary Secretary, SMF

Chairman, Secretariat Management Committee

Group Managing Director, Cyclect Holdings Pte Ltd

- Honorary Treasurer, Chair for Sustainability, Chair for Government Advocacy, Association of Process Industry (ASPRI)
- SME Workgroup Chairman, Business Cost and Cybersecurity, SME Committee, Singapore Business Federation (SBF)
- Committee Member, Enterprise 50 Association
- Member, Young Presidents' Organisation
- Member, RSTN-SUSS Young Executive, Development Programme Committee

MS AUDREY YAP

Vice President and 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

- Board Member, Singapore Food Agency, Ministry of Sustainability and the Environment
- 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
- Independent Director, Old Chang Kee Ltd
- Past President, Licensing Executives Society International (LESI)
- Member, Singapore Institute of Directors
- Member External review Panel (QAFU) Ministry of Education
- Council Member, Workforce Advancement Federation

MR DOUGLAS FOO, BBM

Immediate Past President, SMF

Director, SMF Enterprises Pte Ltd

Chairman, Sakae Holdings Ltd

Singapore Non Resident High Commissioner to Tanzania

- Council Member, 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
- Member, Young Presidents' Organisation

MR ALESSANDRO PERROTTA

Vice President, SMF

Chairman, Membership & Industry Groups

Function Committee

Chairman, Global Business Groups Function Committee

Group Chief Executive Officer, Interplex Holdings Pte Ltd

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

MR STEPHEN HO

Vice President, SMF

Chairman, Risk Review Committee

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

**This is a non-exhaustive listing*

**This is a non-exhaustive listing*

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
- Member of Automotive Technical Committee, The Institution of Engineers, Singapore-Standards Development Organisation (IES-SDO)

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 (Enterprise SG)
- Convener, EESC TC1 WG3 – for Plugs, SocketOutlets & Switches, National Standards and Certification, Enterprise SG
- Singapore Head of Delegate, IEC TC SC23B – (Electrical Accessories), National Standards and Certification, Enterprise SG
- Singapore Expert, IEC TC SC23B MT4 (Plugs & Sockets), National Standards and Certification, Enterprise SG
- Singapore Expert, IEC TC SC23B MT6 (Switches), National Standards and Certification, Enterprise SG
- Convener, EESC TC1 WG1 – Electrical Appliances (Ceiling Fan), National Standards and Certification, Enterprise SG
- Member, EESC WG – Smart Plug (TR 54) for Home, National Standards and Certification, Enterprise SG

- Member, EESC TC1 WG11 – Smart Switched Socket-Outlet (TR XX), National Standards and Certification, Enterprise SG
- Convener, EESC TC1 WG12 – Primary Battery (IEC TC 35), National Standards and Certification, Enterprise SG
- Singapore Head Delegate, IEC TC 35 Primary Batteries, National Standards and Certification, Enterprise SG
- Singapore Expert, IEC TC 35 MT19 & MT15 (Primary Batteries), National Standards and Certification, Enterprise SG
- Member, SCIC/SDO WG for ISO TC207 (GHG & Product Life Cycle), National Standards and Certification, Enterprise SG
- 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, Enterprise SG-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
- 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

- 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
- ESG Board Member, Enterprise Singapore – FY2022-2023

MR NEO SING HWEE

Council Member

Partner | Global Client Service Partner, Temasek & Government & Public Service, Ernst & Young

- Board Member, Leadership & Compensation Committee Singapore Pools
- Audit & Risk Committee Chairman, Tote Board
- Board Member, NEST Singapore Limited, Ministry of Manpower (MOM)
- Audit Committee, SG Enable, Ministry of Social and Family Development (MSF)
- Audit Committee, RenCi Hospital

**This is a non-exhaustive listing*

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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 STEVEN LIM

Council Member
Founder and Group CEO
RSTN Consulting Pte Ltd

- Fellow, Singapore University of Social Sciences (SUSS)
- Chairman, RSTN-SUSS Young Executive Development Programme Committee
- Member, The CaseTrust Advisory Council, 2021 - 2024
- Board Member, Teochew Poit Ip Huay Kuan
- School Advisory Committee, Valor Primary School
- Vice President, China Electronics Chamber Of Commerce (CECC)

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)



INTO THE NEW ERA AS ONE



**This is a non-exhaustive listing*

The SMF Celebrates 90th Anniversary – Launch of New Logo and S.H.I.P



Some 1000 local and international guests attended the celebration.



During his opening speech, SMF President Mr Lennon Tan announced the SMF's four areas of focus, bearing the acronym SHIP – Sustainability, Human Capital, Internationalisation and Productivity – to guide the SMF on its renewal journey.



On 25 March 2023, the SMF marked a significant milestone as it celebrated its 90th anniversary. The grand event was graced by Dr Tan See Leng, Minister for Manpower and Second Minister for Trade and Industry and was attended by some 1000 local and international guests. This remarkable attendance, which included representatives from government agencies, trade associations and chambers (TACs), ambassadors and high commissioners, and leaders in the manufacturing and business community, was a testament to SMF's firm belief in the power of collaboration.

As the SMF sails forward, it looks to journey with its members through the dynamic business landscapes, facing challenges and seizing opportunities. With the SHIP as a guide, the SMF is committed to navigating the turbulent waters of the markets, working in tandem with stakeholders to ensure mutual growth and success.



Chairman of the SMF 90th Anniversary Celebration Organising Committee Mr Poh Choon Ann (left image) and Minister Tan See Leng delivered the welcome speech and keynote speech respectively.



SMF new logo was launched by SMF Office Bearers, Vice Presidents and Minister Tan in the midst of the celebration.



Right after the launch of the SMF logo, the SMF exchanged three MOUs with three IHLs - Singapore University of Social Sciences (SUSS) (left image), Ngee Ann Polytechnic (NP) (middle image) and Temasek Polytechnic (TP), with the aim to groom the next generation of manufacturers.



SMF Council members for the Council Term 2021 - 2024 recited the Council Pledge with Minister Tan as the witness during the celebration.



A cake-cutting ceremony was held with SMF Council members and Minister Tan.



Specially curated and planned by Chairman of the 90th Anniversary Celebration Organising Committee Mr Poh Choon Ann, the celebration was packed with various cultural performances, celebrating the different ethnic groups in Singapore.

SMF NEW LOGO



The new logo of the SMF represents the evolving nature of the manufacturing industry, which is increasingly driven by advanced technologies like artificial intelligence (AI). As manufacturing companies strive to keep pace with technological developments, they will need to harness the potential of AI to stay competitive and relevant.

The round, hexagonal shape of the new SMF logomark signifies circularity, with the potential for AI to facilitate circular manufacturing practices. It also represents community, and collaboration, while flowing lines from the corners towards the centre show flexibility and resilience, moving the SMF towards the future.

The colours signify SMF's vision as we forge deeper into the future. The deep blue is a tribute to our organisation's history and stability, while the vibrant green represents fresh ideas, innovation, and adoption of new technologies to create a better, sustainable future.

SMF Four Focus Areas – S.H.I.P

Our Four Focus Areas – S.H.I.P



SMF's Dedication to Corporate Social Responsibility

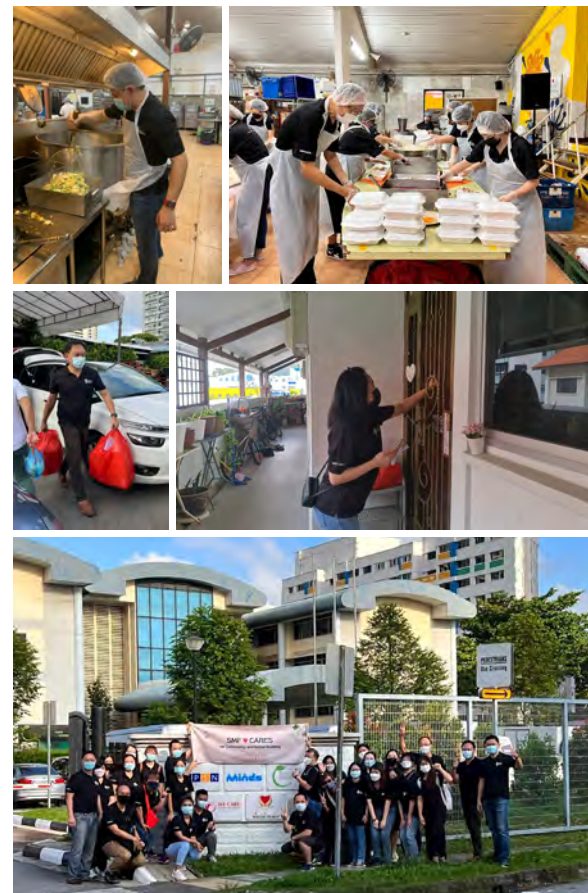
In line with the SMF's commitment to corporate social responsibility, various initiatives were undertaken in this financial year to make a difference in the community.

Under the guidance of the SMF Sustainability Taskforce, SMF Council members Mr Melvin Tan and Mr David Chia, along with the Secretariat staff, volunteered at Willing Hearts in April 2022. The team worked tirelessly to cook, pack, wash, and deliver food across various parts of Singapore. Their efforts are reflective of SMF's belief that even small actions can create a profound positive impact on people's lives. The federation extends its gratitude to SMF Council Member Ms May Yap, Executive Director of LHT Holdings Ltd, for her generous sponsorship of the event.

Subsequently, the SMF partnered with the South West Community Development Council (CDC) on 5 November 2022 under the Adopt@South West initiative. SMF President Mr Lennon Tan, SMF Council members and Secretariat staff, together with Mayor of the South West District and Adviser Ms Low Yen Ling, who is also the Minister of State for Trade and Industry & Culture, Community and Youth, distributed care packs to residents of Bukit Gombak Vista. Items in the care pack were generously contributed by SMF members – Accesstech Engineering Pte Ltd, ActiveCool Fashion Pte Ltd, ADERA Global, Chuan Hiap Hin Sauce Factory, Daily Technologies, Lam Soon,

LHT Holdings Ltd, Mr Mckenic, Mussen, and Tiger Foods.

The SMF remains committed to playing its part in building a better world, one step at a time.



SMF Council members and Secretariat staff volunteered at Willing Hearts where they cook, pack, wash and deliver food across various parts of Singapore.



SMF President Mr Lennon Tan, SMF Council members and Secretariat staff, together with Mayor Ms Low Yen Ling, distributed care packs to residents at Bukit Gombak Vista.

Strengthening Collaborations: Key MOU Signings in 2022

The SMF forged several crucial partnerships during this financial year, each tailored to reinforce the growth, sustainability, and intellectual property strategies within the manufacturing sector.

On 24 August 2022, the SMF had the privilege of hosting the United Nations World Intellectual Property Organization (WIPO) Director General Daren Tang's inaugural visit. The landmark MOU between SMF, the Singapore Innovation and Productivity Institute (SIPI), and the WIPO was established during his visit. Focused on leveraging Intellectual Property (IP) for business growth, this collaboration has enabled 58 SMF members to pilot WIPO's "IP for Business" tools.

Subsequently, on 12 October 2022, a MOU with the Institute of Singapore Chartered Accountants (ISCA) was inked. This partnership, led by SMF President Mr Lennon Tan and ISCA President Mr Teo Ser Luck, aims to bolster sectors like manufacturing and accountancy through knowledge-sharing initiatives.

Further expanding its network, the SMF signed a MOU with TÜV SÜD in Singapore, the Agency for Science, Technology and Research (A*STAR), JTC, Enterprise Singapore, the Singapore Precision Engineering and Technology Association (SPETA) and Singapore Polytechnic on 19 October 2022.

This MOU pledges collective support for businesses embarking on their environmental sustainability journeys via the Green Compass™ model.

These partnerships underscore SMF's commitment to fostering growth, sustainability, and IP proficiency within the manufacturing sector.



SMF President Mr Lennon Tan signed the MOU with WIPO Director General Mr Daren Tang (middle) and SIPI Chairman Ms Audrey Yap on 24 August 2022.



SMF President Mr Lennon Tan signed the MOU with ISCA President Mr Teo Ser Luck (right) on 12 October 2022.



The SMF signed a MOU with TÜV SÜD in Singapore, A*STAR, JTC, Enterprise Singapore, SPETA and SP on 19 October 2022 with the aim to support businesses on their sustainability journey with the Green Compass™ model. (Photo credit: JTC)

The SMF Annual General Meeting

With the easing of safe management measures at Workplaces for COVID-19, the SMF reconvened its Annual General Meeting (AGM) in person on 22 September 2022 at the SMF building. This marked the first AGM for the current council, set to guide the federation from 2021 to 2024.

SMF President, Mr Lennon Tan addressed the general membership where he provided a succinct overview of SMF's recent activities and outlined the strategic vision for the upcoming year. His insights underscored the federation's dedication to its members and the broader manufacturing landscape.

The highlight of the AGM was the approval of all proposed Resolutions, showcasing the unity and shared purpose within the SMF community. As the SMF navigates the future, this AGM stands as a testament to the federation's resilience and collective ambition.



SMF President Mr Lennon Tan provided a succinct overview of SMF's recent activities and outlined the strategic vision for the upcoming year. This was his first AGM as SMF President.



All resolutions for this AGM were approved by the general membership.



The AGM was held in-person on 22 September 2022 after two years of COVID-19 restrictions.

Dialogue Sessions with the Ministry of Manpower for SMF Members

The SMF organises closed-door ministerial dialogue sessions to provide a platform for SMF members to directly engage with ministers and government officials, gain insights into policies, and offer candid feedback on challenges in the manufacturing industry.

The SMF had the privilege of hosting two closed-door dialogue sessions with the Ministry of Manpower in 2022. On 14 April 2022, Senior Minister of State for Manpower and Defence, Mr Zaqy Mohamad, joined the SMF to discuss recent manpower-related matters from the Committee of Supply debates in Parliament. Such interactions are invaluable, allowing our members to understand government policy directions and plan their businesses more effectively.

On 6 September 2022, the SMF welcomed the Minister for Manpower and Second Minister for Trade and Industry, Dr Tan See Leng, as well as the Senior Minister of State for Manpower, Sustainability and the Environment, Dr Koh Poh Koon. They addressed several manpower concerns of SMF members, including the introduction of the Overseas Networks & Expertise Pass (ONE Pass), guidelines for hiring foreign workers in specific regions, and enhancing workplace safety. The SMF is grateful for these opportunities, enabling SMF members to directly engage and gain insights from the Ministers.



The SMF held a closed-door dialogue session with Senior Minister of State for Manpower and Defence, Mr Zaqy Mohamad on 14 April 2022 at the SMF Building.



The SMF held a closed-door dialogue session with Minister for Manpower and Second Minister for Trade and Industry, Dr Tan See Leng, as well as the Senior Minister of State for Manpower, Sustainability and the Environment, Dr Koh Poh Koon on 6 September 2022.

SAF Day 2022



Mr Masagos Zulkifli (middle), Minister for Social and Family Development, Second Minister for Health and Minister-in-charge of Muslim Affairs, was welcomed by SMF Council members and representatives from the Air Force. Minister Masagos was the Guest of Honour and the Officiating Minister for SAF Day (East Zone) 2022.

On 1 July 2022, the SMF organised the SAF Day Combined Rededication Ceremony (East Zone) for the 10th consecutive year, coinciding with the 55th Anniversary of National Service. It also marked the first time in two years that the ceremony was held in person due to previous COVID-19 restrictions. This year's theme, "Generations of Strengths," celebrated the dedicated National Service personnel across generations. SMF President Mr Lennon Tan welcomed Mr Masagos Zulkifli, Minister for Social and Family Development, Second Minister for Health and Minister-in-charge of Muslim Affairs, as the Guest of Honour and Officiating Minister for the SAF Day 2022 (East Zone).



The SMF signed a Commemorative Certificate of Collaboration with Minister Masagos (second from left), Major-General Kelvin Kheng (extreme left), Chief of Air Force, and Mr Arun Madhok (extreme right), Chief Executive Officer of Suntec Singapore to commemorate the joint efforts to organising SAF Day (East Zone) 2022. SMF President Mr Lennon Tan represented the SMF to sign the certificate.



Mr Ng Tian Beng (picture on the left), Organising Committee Chairman for SAF Day (East Zone 2022) and SMF Chairman for Health, Safety, Security and Environment (HSSE), SMF President Mr Lennon Tan (picture in the middle), and Minister Masagos (picture on the right) delivered the welcome address, opening address and the SAF Day Message respectively.



Some 100 participants attended the SAF Day (East Zone) 2022.

INTERNATIONALISATION



Global Business Groups

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

Food & Hotel Asia 2022

With markets reopening and MICE events moving to in-person format again, the long-awaited Food & Hotel Asia (FHA) exhibition came back from 5 to 8 September 2022 with over 2,000 exhibitors and 56 international pavilions. FHA is a biennial trade fair held in Singapore, attracting exhibitors, buyers, and professionals from across the globe. The event serves as a platform for showcasing cutting-edge products, innovative solutions, and industry trends in the food and hospitality sectors.

For FHA 2022, the SMF led 132 companies to house under the Singapore pavilion and the first-ever halal pavilion. The trade fair attracted over 57,500 attendees from 109 countries and regions, providing a vast clientele for the exhibiting companies and opportunities for Singapore exhibitors to market the Singapore brand to many overseas attendees in the same space.

The SMF also organised a networking dinner for exhibitors at both Pavilions of FHA 2022 and for overseas buyers. Attendees got to enjoy a buffet spread that showcased some of the products manufactured by the exhibitors! It was a fruitful event, with many overseas buyers and exhibitors expressing their interest to participate in the next FHA.



INDUSTRIAL TRANSFORMATION ASIA-PACIFIC 2022

The SMF organised exclusive guided tours for SMF members at the Industrial Transformation ASIA-PACIFIC (ITAP) 2022!

These exclusive guided tours aim to provide SMF members with a detailed knowledge of the available technologies that can enable them to transform digitally, thus improving productivity and efficiency. Various booths were visited, including booths by SMF members Beckhoff Automation and Flexspeed Technology. These booths showcase the latest innovation in the areas of Additive Manufacturing, Digital Factory, Industrial Automation, and Intra-logistics, providing our members with an eye-opening experience and opening doors of opportunities for collaborations.



The SMF has been one of the supporting organisations of ITAP since its first edition. The ITAP 2022 was held from 18 to 20 October 2022 and is at its fifth edition in 2022.

AGRI-FOOD TECH EXPO ASIA 2022

The SMF organised guided tours for members at the inaugural Agri-Food Tech Expo Asia! The tours aim to provide SMF members with knowledge of the trends and innovations in the agri-food technology industry. At each tour, SMF members visited booths of established industry players from different countries to learn of the available technologies that may address their needs. The booths were located under six categories namely Novel Food Technologies, Food Processing and Packaging, Urban/smart Farming, Aquaculture and Urban Protein, Food Safety & Security, and, Sustainability & Resource Management.

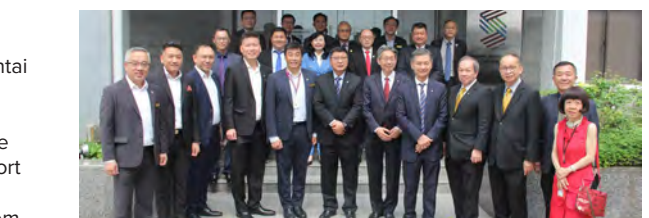
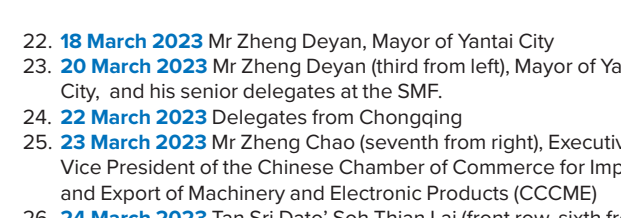
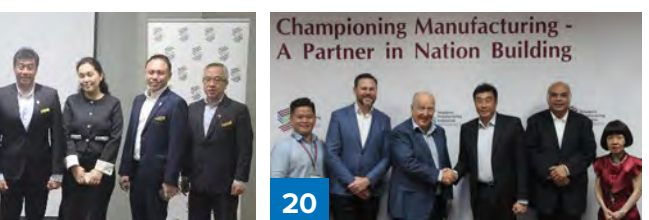
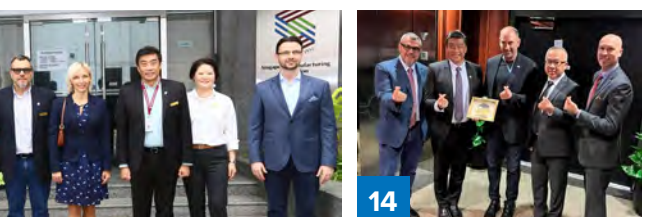
The Agri-Food Tech Expo Asia was held from 26 to 28 October 2022.



Meeting with Overseas VIPs and Dignitaries

The SMF meets with VIP delegates, dignitaries, business delegations and ambassadors to foster close international relationships and facilitate members' overseas business interests. As travel restrictions began to ease, the SMF met with over 20 VIPs for this financial year. Through these visits, the SMF connects with international bodies, helping the local manufacturing community advance into other markets.

1. **8 June 2022** Ambassador of the Argentine Republic to Singapore, His Excellency Mauricio Nine (third from right)
2. **27 June 2022** Yang Berhormat Dato' Shahrl Zaman Bin Datuk Yahya (second from left)
3. **8 July 2022** Dr Carlo Ferro, President of Italian Trade Agency (third from right)
4. **19 July 2022** Business Delegation in the Life Sciences, Medtech and Healthcare Industry from Kanagawa Prefecture
5. **19 August 2022** Ambassador Extraordinary and Plenipotentiary of the Republic of Poland to the Republic of Singapore, Her Excellency Magdalena Bogdziewicz (third from left)
6. **6 September 2022** Yang Berhormat Tuan Lee Ting Han (front row, second from left), Johor State Executive Councilor and Chairman of Investment, Trade and Consumer Affairs for the State of Johor, together with Delegation from Johor State Government
7. **5 October 2022** Australia's High Commissioner to Singapore The Hon William Hodgman (fourth from left)
8. **5 October 2022** Ambassador of the Kingdom of Thailand to Singapore His Excellency Chutintorn Gongsakdi (fifth from right)
9. **17 October 2022** Takasaki City delegation leader and delegates
10. **8 November 2022** Delegates from the Central Bank of Indonesia
11. **22 November 2022** Ambassador Extraordinary and Plenipotentiary of the People's Republic of China to the Republic of Singapore, Her Excellency Sun Haiyan (fifth from left)
12. **23 November 2022** Mr Samir Modi, President of the Confederation of Asia Pacific Chambers of Commerce & Industry (CACCI) (2018-2022)
13. **25 November 2022** Hungarian Ambassador to Singapore Her Excellency Ms Judit Pach (third from left)
14. **30 November 2022** United States Ambassador to the Republic of Singapore, His Excellency Jonathan Kaplan (middle)
15. **10 February 2023** Chairman of Nghe An Provincial People's Committee of Vietnam, His Excellency Nguyen Duc Trung
16. **12 January 2023** Ms Zhang Binhui, Deputy Mayor of Tong Zhou District (middle)
17. **13 February 2023** Yang Amat Berhormat Datuk Onn Hafiz bin Ghazi, Menteri Besar of the State of Johor (fourth from right), together with his delegates from Johor
18. **20 February 2023** Ambassador Extraordinary and Plenipotentiary of the Republic of Uzbekistan to the Republic of Singapore, His Excellency Kakhramon Shakirov (second from left)
19. **06 March 2023** Ambassador Extraordinary and Plenipotentiary of the Republic of Kazakhstan to the Republic of Singapore, His Excellency Askar Kuttykadam (middle)
20. **07 March 2023** Mr Peter McMullin (third from left), President of the Confederation of Asia Pacific Chambers of Commerce and Industry (CACCI)
21. **16 March 2023** Chairman Kansai Economic Federation (Kankeiren) Mr Masayoshi Matsumoto (fourth from right) and his senior delegates



22. **18 March 2023** Mr Zheng Deyan, Mayor of Yantai City
23. **20 March 2023** Mr Zheng Deyan (third from left), Mayor of Yantai City, and his senior delegates at the SMF.
24. **22 March 2023** Delegates from Chongqing
25. **23 March 2023** Mr Zheng Chao (seventh from right), Executive Vice President of the Chinese Chamber of Commerce for Import and Export of Machinery and Electronic Products (CCCME)
26. **24 March 2023** Tan Sri Dato' Soh Tian Lai (front row, sixth from left), President of National Chambers of Commerce and Industry of Malaysia (NCCIM) and senior delegation



Seminars and Dialogues

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

- 13 July 2022** To assist Singapore Pavilion exhibitors for the Food Hotel Asia (FHA) 2022 stand out during the exhibition, the SMF organised a training programme titled "Differentiating Your Brand at the Exhibition". During the training session, exhibitors learned how to apply different frameworks and use various tools to better position their brand at large-scale trade shows like FHA 2022.
- 14 July 2022** The SMF and Epicor Software (SEA) Pte Ltd collaborated to organise the "How to Adopt Cloud Workshop" to provide tools to companies that were looking to adopt better ways to store data and ERP solutions. Participants from various companies heard firsthand from Epicor experts on cloud technology and how it can be integrated into their businesses, learning from success stories and experiences. A one-to-one consultation session was then held for participants to engage with Epicor experts for bespoke views for individual companies.
- 27 Sep 2022** The SMF and Kumo Pte Ltd organised a series of webinar sessions titled "Kumo Masterclass Training Programme on Modernisation of the Workforce". The webinar had Kumo's Chief Executive Officer, Mr Frank McMurtrey sharing the importance of basic business management, which is a business methodology that every organisation should apply to maintain efficient operations. He also shared that the key to improving organisational performance is to find the simplest solution that can lead to the most effective results.
- 10 March 2023** The SMF was honoured to host Ms Zhong Manying, Economic & Commercial Minister Counsellor from the Embassy of the People's Republic of China in the Republic of Singapore for a dialogue session. During the session, Ms Zhong met with many SMF members and shared the economic outlook and opportunities for overseas



3

Modernize your Company by Modernizing your Workforce

Masterclass Name	Price (per pax)	Participants Cost	Registration Requirements
Modernization of the Workforce	\$3,000	\$0 * No cost for candidates who qualify	Workforce (Job Seekers and Employees) who are looking to Upskill

KUMO has put together a comprehensive Modernization of the Workforce training program (Masterclass), focused on training and upskilling the Workforce upon Services and Employees in:

- RMO (Business Management Office)
- and in BMP (Business Management Professional) skills sets

Both are Modernization and Organization methodologies, giving the Workforce skills that can be immediately employed by Employers, contributing to the resilience and sustainability of their Company. Helping companies be better prepared for adversity and business downturns.

Candidates can Register and Enroll at:

register@kumo.com

Organized By: Supported By:

investors in post-COVID-19 China. Company representatives raised many questions which include market access for foreign companies, cross-border fund transfer, internationalisation of the RMB, etc. It was a fruitful and conducive session for all as participants went away with their queries answered by Ms Zhong.

- 16 March 2023** The SMF held the second general meeting of the Asia Business Creation (ABC) Platform with the Kansai Economic Federation (Kankeiren). Coined the "Orchid Meeting", the meeting gathered delegations from Kankeiren and Trade Associations and Chambers (TAC) in the ASEAN region namely, Indonesia, Malaysia, Myanmar, the Philippines, Thailand, and Vietnam. This meeting led by SMF President, Mr Lennon Tan and Kankeiren Chairman, Mr Masayoshi Matsumoto, saw an engaging and fruitful discussion among the delegates. The ABC Challenge Support Programme was also held during the meeting, where companies recommended by each TAC presented their business offerings and services and how they would like to collaborate with their Japanese counterparts. After the discussion, a networking reception was held to commemorate the 50th Year of ASEAN-Japan Friendship and Cooperation.
- 20 March 2023** The SMF was honoured to host Mayor of Yantai City Mr Zheng Deyan and his senior delegates for a roundtable dialogue session. This dialogue session created an opportunity for SMF members to present their company profiles to the Yantai delegation.



MOU Signings

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

- 16 January 2023** The SMF renewed a MOU with the Chamber of Commerce and Industry of Uzbekistan (CCI) to help Singapore companies explore more opportunities in the Uzbekistan market. The MOU was exchanged by SMF President Mr Lennon Tan and CCI Chairman Mr Davron Vakhobov, in the presence of Singapore's Minister for Trade and Industry Mr Gan Kim Yong and Uzbekistan's First Deputy Minister of Investments and Foreign Trade Mr Laziz Kudratov.
- 20 March 2023** The SMF signed a MOU with the Yantai Bureau of Commerce to assist Singapore companies that are looking to expand their businesses in Yantai. Mayor of Yantai City Mr Zheng Deyan witnessed the MOU signing.
- 24 March 2023** The SMF signed a MOU with the National Chamber of Commerce and Industry of Malaysia (NCCIM), with the aim to support SMF and NCCIM members to connect and collaborate with one another to foster business growth. The MOU was signed by SMF President Mr Lennon Tan and NCCIM President Tan Sri Dato' Soh Thian Lai.



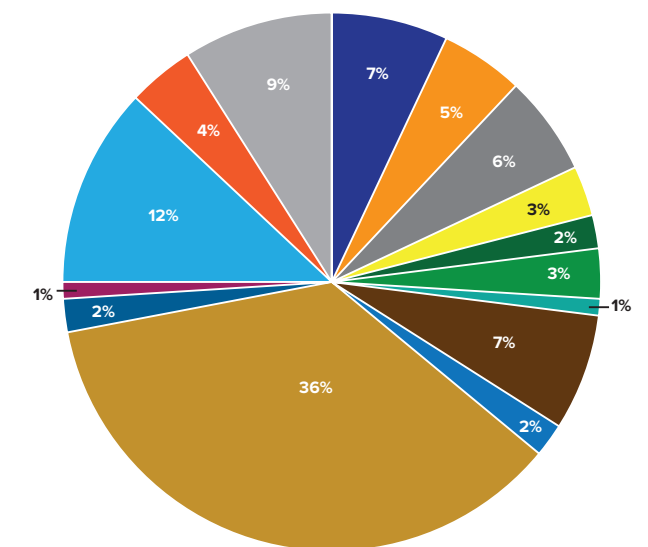
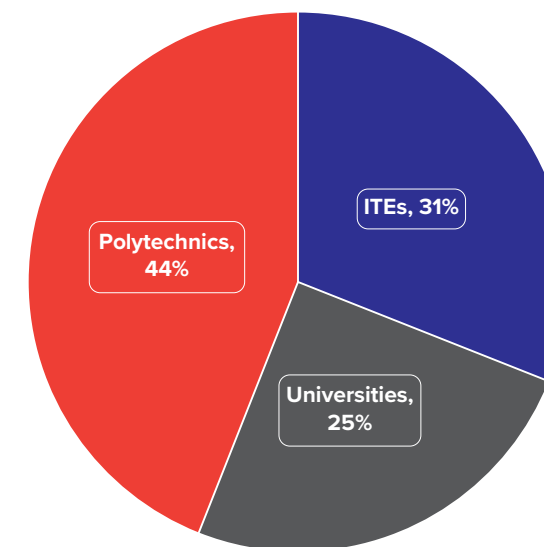
Global Ready Talent Programme

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

For this Financial Year, the GRT supported 812 local and overseas internships. 243 companies participated in the GRT, with 97% of the companies being SMEs*.

*<200 staff OR <\$100m revenue

STUDENT DEMOGRAPHICS FROM DIFFERENT IHL LEVELS



- Top three sectors that interns were placed in:
1. Mechanical and Electrical (M&E) Services
 2. Professional Services
 3. Wholesale Trade

- Biomedical & Healthcare Services
- Built Environment & Construction
- Chemical
- Education Services
- Food & Beverage Services
- Food Manufacturing
- General
- Infocomm & Technology
- Lifestyle
- Mechanical & Electrical Services
- Media
- Printing & Packaging
- Professional Services
- Real Estate
- Wholesale Trade

INSTITUTE OF TECHNICAL EDUCATION (ITE) INTERNSHIP SHARING 2022

The SMF's GRT conducted its inaugural ITE internship sharing session for SMF members on 3 June 2022. This session aimed to guide members on collaborating with ITE, particularly amidst the manpower challenges arising from workers returning home due to relaxed Covid-19 border measures.



Mr Chan Hai Kiang, SMF Chairman of the Advanced Engineering and Manufacturing Industry Group, welcomed company representatives to this sharing session.



The Global Ready Talent team discussed available grants for company representatives to recruit interns.



Company representatives network with one another after the session.



ITE HQ Head of Industry Placement elaborated on how companies can join their internship programme.

“EMPLOYER BRANDING STRATEGIES FOR SMES TO ATTRACT RIGHT TALENTS” WEBINAR

To share the importance of employer branding to attract talent, the SMF GRT team collaborated with TalentKraft Pte Ltd to organise a webinar titled “Employer Branding Strategies for SMEs to Attract Right Talents” on 25 November 2022.



Mr Zanyu Ang, Co-founder of TalentKraft, shared the importance of employer branding to attract the right talents and practical tips on identifying ideal candidates, developing a clear Employee Value Proposition (EVP) and writing enticing job descriptions.

Career Conversion Programmes

Career Conversion Programmes (CCPs) are for mid-career individuals to undergo skills conversion and move into new occupations or sectors that have good prospects and opportunities for progression.

The programme benefits SMEs by providing salary support for SMEs to reskill jobseekers in new job roles. This enables SMEs to access a wider pool of jobseekers.

Key Features of GRT

- Helps local enterprises attract Singaporean/PR undergraduate talents from the IHLs through internship.
- Local enterprises are eligible for up to 70% funding support (50% for non-SMEs) covering the internship stipend ONLY.
- 100% Digital Process

All application processes to be done on the GRTnet Portal (www.hellobalready.sg) and no hardcopy documents to be submitted including Letter of Offer.

The webinar also covered two government programmes - the GRT programme by Enterprise Singapore and the Career Conversion Programmes (CCP) by Workforce Singapore (WSG). Both programmes provide salary support and are administered by the SMF.

MANUFACTURING PAVILION @ NTU CAREER FAIR

The SMF's GRT organised a Manufacturing Pavilion at the NTU Career Fair on 9 February 2023, featuring six manufacturing sector companies. To prepare the companies, the GRT team arranged an employer branding audit and consultation session for the exhibiting companies. The session assessed their reputation as employers and provided insights to enhance their appeal to potential candidates. The initiative aimed to help these companies effectively attract top talent during the career fair.



List of SMF Partners

Singapore Partner Organisations

1. Africa-South East Asia Chamber of Commerce
2. Agency for Science, Technology and Research (A*STAR)
3. American Chamber of Commerce in Singapore
4. American Society of Transportation and Logistics
5. Association for the Advancement of Medical Instrumentation
6. Association of Banks in Singapore
7. Association of Small and Medium Enterprises (ASME)
8. Australian Alumni Singapore
9. British Chamber of Commerce
10. Canadian Chamber of Commerce in Singapore
11. China Enterprises Association
12. Consumers Association of Singapore (CASE)
13. DBS Bank
14. Design Business Chamber Singapore (DBCS)
15. Economic Development Board (EDB)
16. Employment and Employability Institute Pte Ltd (e2i)
17. Enterprise Singapore
18. European Chamber of Commerce, Singapore
19. European Union Delegation in Singapore
20. EXPERIAN
21. Food Industry Asia (FIA)
22. Food Innovation and Resource Centre, Singapore Polytechnic (FIRC)
23. French Chamber of Commerce in Singapore
24. Health Promotion Board (HPB)
25. Infocomm Media Development Authority (IMDA)
26. Innovation Partner for Impact (IPI Singapore)
27. Institute of Engineers, Singapore
28. Institute of Singapore Chartered Accountants
29. Institute of Technical Education (ITE)
30. Italian Chamber of Commerce in Singapore
31. Intellectual Property Office of Singapore (IPOS)
32. iSmart Advanced Manufacturing Solutions (iSAMS)
33. Japanese Chamber of Commerce and Industry Singapore
34. JTC Corporation
35. Korean Chamber of Commerce (Singapore)
36. LASALLE College of the Arts
37. Ministry of Education (MOE)
38. Ministry of Manpower (MOM)
39. Ministry of the Environment and Water Resources (MEWR)
40. Ministry of Trade and Industry (MTI)
41. Nanyang Academy of Fine Arts (NAFA)
42. Nanyang Polytechnic (NYP)
43. Nanyang Technological University (NTU)
44. Nanyang Technological University Student Union (NTUSU)
45. National Environment Agency (NEA)
46. National Trades Union Congress (NTUC)
47. National University of Singapore (NUS)
48. New Zealand Chamber of Commerce (Singapore)
49. Ngee Ann Polytechnic (NP)
50. NTUC Learning Hub Pte Ltd
51. Procolombia Commercial Office in Singapore
52. Real Estate Developers' Association of Singapore
53. Republic Polytechnic (RP)
54. Restaurant Association of Singapore
55. RHB Singapore
56. SGTech
57. Singapore Institute of Manufacturing Technology (SIMTech)
58. Singapore Armed Forces (SAF)
59. Singapore Association for Private Education (SAPE)
60. Singapore Business Advisors and Consultants Council (SBACC)
61. Singapore Business Federation (SBF)
62. Singapore Chinese Chamber of Commerce and Industry (SCCCI)
63. Singapore Computer Society
64. Singapore Contractors Association Limited
65. Singapore Corporation of Rehabilitative Enterprises (SCORE)
66. Singapore Environment Council (SEC)
67. Singapore Food Manufacturers' Federation (SFMA)
68. Singapore Hotel Association
69. Singapore Indian Chamber of Commerce and Industry (SICCI)
70. Singapore Industrial Automation Association (SIAA)
71. Singapore Institute of Management (SIM)
72. Singapore Institute of Technology (SIT)
73. Singapore International Chamber of Commerce (SICC)
74. Singapore Logistics Association (SLA)
75. Singapore Malay Chamber of Commerce and Industry (SMCCI)
76. Singapore Management University (SMU)
77. Singapore National Employers Federation (SNEF)
78. Singapore Police Force (SPF)
79. Singapore Polytechnic (SP)
80. Singapore Precision Engineering & Technology Association (SPETA)
81. Singapore Press Holdings
82. Singapore Retailers Association
83. Singapore Shipping Association
84. Singapore Sri Lanka Business Association
85. Singapore University of Social Sciences (SUSS)
86. Singapore University of Technology and Design (SUTD)
87. Singaporean-German Chamber of Industry and Commerce
88. SkillsFuture Singapore (SSG)
89. Specialists Trade Alliance of Singapore
90. Standard Chartered Singapore
91. Temasek Polytechnic (TP)
92. The Australian Chamber of Commerce, Singapore
93. TÜV SÜD
94. United Overseas Bank

95. Vietnam Chamber of Commerce
96. Workforce Singapore (WSG)

97. Workplace Safety and Health Council (WSHC)

Overseas Partner Organisations

AMERICAS

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

EUROPE

1. Barcelona Centre de Disseny (Barcelona Design Centre, BCD)
2. Bulgarian Chamber of Commerce and Industry
3. Camera De Comert Si Industrie Cluj
4. Chamber of Commerce & Industry for Bedfordshire & District
5. Chamber of Commerce & Industry of Brasov
6. Chamber of Commerce and Industry of Romania and of Bucharest Municipality
7. Confederation of Hungarian Employers and Industrialists (MGYOSZ)
8. Confederation of Industry of the Czech Republic
9. Confederation of Italian Industries (Confindustria)
10. Confederation of Netherlands Industry and Employers (VNO-NCW)
11. Croatian Chamber of Commerce
12. European Cluster Collaboration Platform
13. Farindustria, Italy
14. Federation of Belgian Enterprises VBO – FEB
15. Federation of Hungarian Industrialists
16. Hungarian Chamber of Commerce
17. Independent Industrialists and Businessmen's Association (MUSIAD)
18. Italian Trade Agency
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
26. Swiss-South East Asia Chamber of Commerce
27. The Malta Chamber
28. Unindustria, Italy

ASEAN, AUSTRALIA & OCEANIA

1. Australian Chamber of Manufacturers
2. Bank of Indonesia
3. Batam Industrial Development Authority
4. Board of Investment of Sri Lanka
5. Cambodia Chamber of Commerce and Industry
6. Chinese Filipino Business Club, Inc (CFBCI)
7. Da Nang People's Committee
8. Department of Science, Education, Natural Resources and Environment, Ministry of Planning and Investment of Vietnam
9. Federation of Malaysian Manufacturers
10. Federation of Thai Industries (FTI)
11. Foreign Investment Agency of Vietnam Ministry of Planning and Investments
12. Indonesia Investment Coordinating Board (BKPM)
13. Indonesian Chamber of Commerce & Industry of North Sumatra
14. KADIN TK.
15. Kamar Dagang Dan Industri – KADIN (Indonesia Chamber of Commerce and Industry)
16. Kamar Dagang Industri Jawa Barat (Chamber of Commerce and Industry of West Java)
17. Kamar Dagang Industri Sumatera Barat (Chamber of Commerce and Industry of West Sumatra)
18. Makati Business Club
19. Malaysia International Chamber of Commerce and Industry (MICCI)
20. Massey University
21. Metal Trades Industry Association of Australia (MTIA)
22. Myanmar Industries Association
23. National Chamber of Commerce and Industry of Malaysia (NCCIM)
24. Nghe An Province of Vietnam
25. People's Committee of Quang Binh Province, Vietnam (Quang Binh PPC)
26. People's Committee of Yen Bai Province of Vietnam
27. People's Council of Can Tho City of Vietnam
28. Philippine Economic Zone Authority (PEZA)
29. Philippines Chambers of Commerce and Industry

30. Phnom Penh Chamber of Commerce
31. Quang Nam Province of Vietnam
32. Quezon Chamber of Commerce & Industry
33. Salim Group of Companies
34. Thai Binh Province People's Committee of Vietnam

CHINA & NORTH EAST ASIA

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| <ol style="list-style-type: none"> 1. Asia Business Creation (ABC) Platform of Kankeiren 2. China-ASEAN Business Council 3. China Association of Industrial Economics (CAIE) 4. China Council for the Promotion of International Trade Shandong Committee 5. China (Guangdong) Pilot Free Trade Zone Nansha Area of Guangzhou 6. China National Chemical Information Center 7. China Wuhan General Chamber of Commerce 8. China-ASEAN Expo 9. Chinese National Federation of Industries 10. Ehime International Business Association (EIBA) 11. Fuzhou Investment Promotion Organisation 12. Hangzhou Federation of Industry and Commerce 13. Hebei Provincial Business Invitation & Co-operation Bureau of China 14. Hong Kong Chinese Enterprises Association Electronics Committee 15. International Association of Traffic and Safety Sciences (IATSS) 16. International Investment Promotion Agency of Shandong Province 17. Ishikawa Machinery and Electronic Association 18. Japan Productivity Centre 19. Jiangsu Federation of Chamber of Commerce and Industry 20. Kanagawa Prefectural Government | <ol style="list-style-type: none"> 21. Kansai Economic Federation (Kankeiren) 22. Korea Federation of SMEs of the Republic of Korea (KBIZ) 23. Nakao Fusion Institute 24. Nanjing Federation of Commerce and Industry 25. Nantong Federation of Commerce and Industry 26. The People's Government of Chongqing, Bishan District 27. Shanghai Federation of Industry and Commerce 28. Singapore Chamber of Commerce (Hong Kong) 29. Takasaki Seinenkeisya Kyogikai 30. The Taiwan Electric Appliance Manufacturers' Association 31. Tianjin Association in Singapore 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. Yantai Bureau of Commerce 37. Yokohama Industrial Institute (YII) 38. Osaka Chamber of Commerce and Industry (OCCI) 39. Committee for the Promotion of International Trade, D.P.R Korea (KOMT) 40. Japan Management Association (JMA) 41. Ningbo Foreign Economic and Trade Commission |
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INDIA, AFRICA, MIDDLE EAST AND CENTRAL ASIA

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| <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 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 |
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**SUSTAINABILITY, HUMAN CAPITAL,
PRODUCTIVITY (COVER)**



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 enhances 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, PCBA 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.

Committee Members

ADVANCED ENGINEERING AND MANUFACTURING INDUSTRY GROUP (AEM IG)

Chairman Mr Chan Hai Kiang Flexspeed Technology Pte Ltd	Training & Placement WG Deputy Chairman Mr Marcus Sia Applied Total Control Treatment Pte Ltd	Mr Alvin Neo D&H Precision Tools Pte Ltd
Deputy Chairman New Members Recruitment & Retention WG Chairman Mr Raymond Wee Salestrade Corporation (S) Pte Ltd	AEM IG Members’ Internationalization WG Deputy Chairman Mr Tay Chor Kuan Heidenhain Pacific Pte Ltd	Mr Francis Tan Taishan Sports Engineering 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 Chan Kai Wen Flexspeed Technology Pte Ltd	Mr Oliver Chong Kawarin Enterprise Pte Ltd
AEM IG Members’ Internationalization WG Chairman New Members Recruitment & Retention WG Deputy Chairman Dr Benny Yeo Catthis Pte Ltd	Collaborations within AEM Members’ WG Deputy Chairman Mr Jason Ng Grand Team Technologies Limited	Mr Ho Kee Nian Hkn Tanks Pte Ltd
Training & Placement WG Chairman Mr Alvin Cher Almarc Engineering Pte Ltd	HSSE FC Rep for AEM IG Mr Tony Moochala Chemtron Pte Ltd	Mr Van Kim Li Gtrade Singapore Pte Ltd
	Committee Member Mr Dedrick Loo Sunlink Engineering Pte Ltd	Mr Kelvin Tan Bayswater Shipping & Forwarding Pte Ltd
		Mr Jarius Draslaric Jing Rui Precision Engineering Pte Ltd
		Mr Lim Chee Song Simplex Pte Ltd
		Mr Lee Swee Ser Powerzone Technologies Pte Ltd
		Mr Zhao Haolin I.C.E. Aluminium Pte Ltd

BUILDING PRODUCTS AND CONSTRUCTION MATERIALS INDUSTRY GROUP (BPCM IG)

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

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

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

ENERGY & CHEMICALS INDUSTRY GROUP (E&C IG)

Chairman Mr Tan Cheng Guan Sembcorp Power Pte 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 (FBIG)

Chairman Vice-Chairman for Government relations sub-work group Mr Cheong Chung Kin Win Sin (Pte) Ltd	Deputy Chairman Ms Cyndy Au Biocreations Asia	Ms Jeremy Hauw Tuck Lee Ice Pte Ltd
Vice-Chairman for Functional Health Claims Sub-Work Group Ms Elaine Tan DSM Singapore Industrial Pte Ltd	Vice Chairman for International Trade and Exhibitions Mr Eugene Tan Wanin Industries Pte Ltd	Mr Teri Teo PS Food and Beverage (S) Pte Ltd
Vice-Chairman for Waste Management and War on Diabetes Sub-work group Ms Lee Gee Chyn Nestle Singapore (Pte) Ltd	Vice-Chairman for ESG Sub-work Group Ms Zhang Jia Lin Inflo Health Sciences	Mr Eric Lew FrieslandCampina (Singapore) Pte Ltd
Vice-Chairman for War on Diabetes Sub-Work Group Ms Jennifer See F&N Foods Pte Ltd	Committee Member Ms Tan Sock Hoon, Yvonne Gardenia Foods (S) Pte Ltd	Ms Kimberly Lai Pacific Refreshments
Vice-Chairman for Pro Enterprise Panel - USME Ms Claire Ariela Shen Cooking Art Industries Pte Ltd	Ms Charlotte Lok Herbalife International Singapore Pte Ltd	Ms Chenchill Kho Pepsico International Pte Ltd
	Ms Verleen Goh Alchemy Foodtech Pte Ltd	Mr Wille Foo Alternative Selection Pte Ltd

LIFESTYLE INDUSTRY GROUP (LIG)

Chairman Mr Kimming Yap Creativeans Pte Ltd	Mr Alfred Tan Flame Communications Pte Ltd	Mr Gan Shee Wen Koda Ltd
Deputy Chairman Mr Theodore Khng Theo10 Pte Ltd	Mr Amos Tan Activecool Fashion Pte Ltd	Mr Jarius Draslaric Draslaric Group
Committee Member Ms Jade Yip Shevron Pte Ltd	Mr Wayne Sim Sing Chye Heng Investment Holdings Pte Ltd	Mr Edmund Ong Daiyo Electronics (S) Pte Ltd

LIFE SCIENCES INDUSTRY GROUP (LS IG)

Chairman Mr Mohan Kumar Strides Pharma Global Pte Ltd	Committee Member Mr Koh Kian Hong Boehringer Ingelheim Singapore Pte Ltd	Dr Ameet Ambarkhane Covate Pharma Pte Ltd
Deputy Chairman Mr Adam Hamid Naina Mohamed & Sons Pte Ltd	Mr Victor Heng Practical Mediscience Pte Ltd	Mr Lee Loh Meng Sunward Pharmaceutical Pte Ltd
	Mr Raymond Lam Pharmaforte Singapore Pte Ltd	Mr Sandeep R Lavalekar Strides Pharma Global Pte Ltd

MEDICAL TECHNOLOGY INDUSTRY GROUP (MT IG)

Chairman Mr Henry Tan Alpha-Health (Asia) Pte Ltd	Vice Chairperson for Membership Support and Development Mr Teo Kee Meng Transmedic Pte Ltd	Lead for Membership Support Ms Kandyce Ong APCO Worldwide Advisory Services Pte Ltd
Vice Chairperson for Regulatory Policy Partnership and Standards, Regulatory Capacity Building and Shared Services Mr James Chan Varian Medical Systems Pacific Inc	Lead for Regulatory Capacity Building and Shared Services Mr Victor Tan Ortho-Clinical Diagnostics Singapore Pte Ltd	Lead for Industry Development Mr Nigel Tan Johnson & Johnson Asia Pacific
Vice Chairperson for Business Networking and New Business and Digitalisation Mr Rey Zheng Mediwell Enterprise Pte Ltd	Deputy Chairman and Vice Chairperson for Industry Development, Skill Training and Development Mr Ng Kah Fai Johnson & Johnson Asia Pacific	Lead for Membership Development Mr Gjan Lim Healthcare Essentials Pte Ltd
		Lead for Regulatory Policy Partnership and Standards Mr Khoo Kai Chang Johnson & Johnson Asia Pacific

PACKAGING COUNCIL OF SINGAPORE INDUSTRY GROUP (PCS IG)

Chairman Ms Ms May Yap LHT Holdings Limited	Committee Member Mr Chris Ng Greenpac (S) Pte Ltd	Mr Johnny Tan Sing Mah Wooden Cases Manufacturer Pte Ltd
Deputy Chairman Mr John Goh Xcel Industries Supplies Pte Ltd	Ms Toh Lili L'earth (S) Pte Ltd	Ms Joanna Tan Starlite Printers (Far East) Pte Ltd

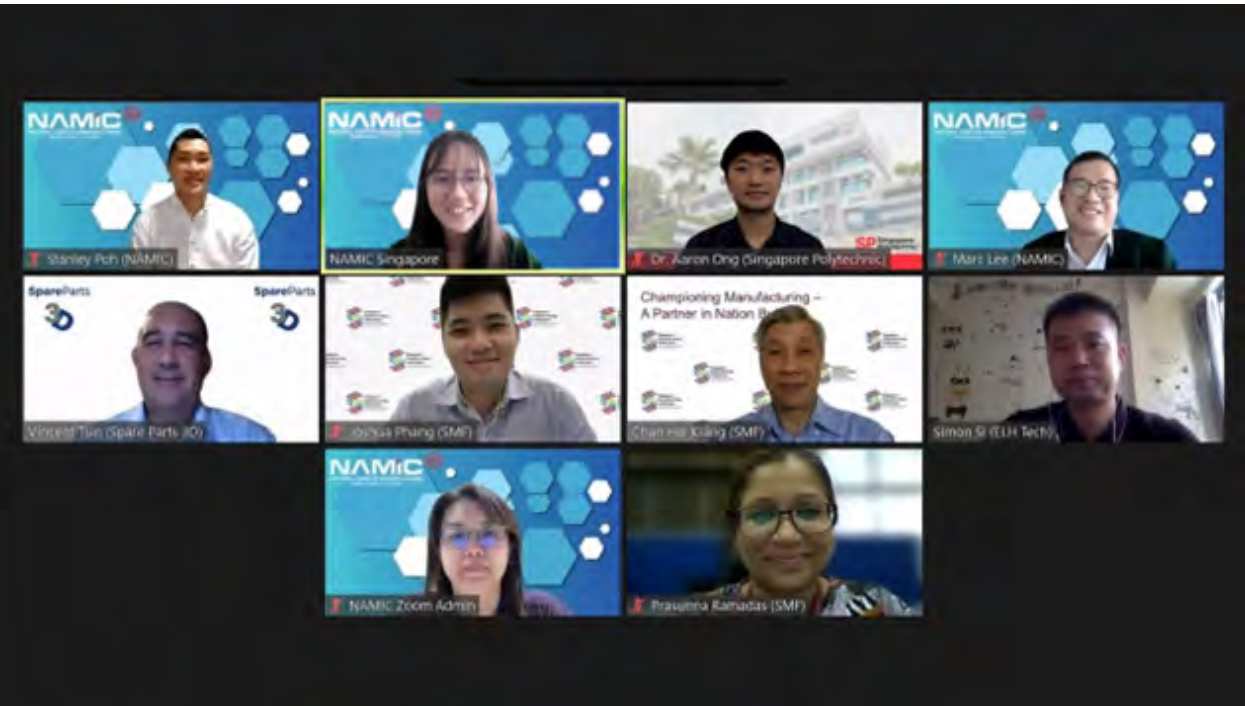
SMART AUTOMATION INDUSTRY GROUP (SA IG)

Chairman Mr David Chia Beckhoff Automation Pte Ltd	Mr Tan Aik Jin Zebra Technologies Asia Pacific Pte Ltd	Mr Sew June Sung Tecmaven Group Pte Ltd
Deputy Chairman Mr Mun Kok Woh Astech Pte Ltd	Mr Daniel Lau Servo Dynamics Pte Ltd	Ms Sea Chia Hui Hexagon Metrology Asia Pacific Pte Ltd
Committee Member Mr Lee Theam Wah OPEX Consulting Group LLP	Mr Jenson Ong ABB Pte Ltd	Mr Brandon Lee BData Pte Ltd
	Mr Kenn Wong VE Capital Asia Pte Ltd	

Events for Industry Groups, by Industry Groups

AN OVERVIEW OF THE END-TO-END ADDITIVE MANUFACTURING SOLUTIONS

On 22 April 2022, the SMF and the National Additive Manufacturing Innovation Cluster (NAMIC) held a webinar on “End-to-End Additive Manufacturing Solutions.” Mr Chan Hai Kiang, SMF Chairman for Advanced Engineering and Manufacturing Industry Group (AEM IG) highlighted the potential of additive manufacturing in reinforcing Singapore’s role as a manufacturing leader. Speakers from NAMIC, Spare Parts 3D, ELH Tech, and Singapore Polytechnic discussed the significance, practical applications, and available programmes in the domain. The event concluded with a Q&A session and an exclusive tour for SMF members to observe 3D printing in action, further emphasising the benefits of adopting Additive Manufacturing.



The SMF and NAMIC held a webinar to give SMF members an overview on the benefits of additive manufacturing.

INDUSTRY CONNECT SESSIONS

The SMF has been proactive in fostering stronger ties among its members. On 26 May 2022, SMF hosted its third Industry Connect Networking Session at the SMF Building. This particular session was geared towards members from the Food & Beverage (FB), Lifestyle (LIG), and Advanced Engineering and Manufacturing (AEM) Industry Groups.

On 19 October 2022, another Industry Connect Networking Session was organised, this time focusing on the engineering cluster industry groups. The agenda for this session included updates on the latest SMF programmes, schemes, and future events.

In both sessions, participants were treated to light refreshments, and booths were set up by different departments and supporting partners, offering insights into their respective domains.



SMF's various business units and supporting partners set up booths to share their services and offerings.



Through Industry Connect, SMF members were given a platform to network with other members from other industry groups.

SITE VISITS

With the easing of COVID-19 restrictions, the SMF has been active in organizing and facilitating several informative site visits for its members for this financial year. Through these visits, SMF members have consistently deepened their understanding of advanced technologies, methodologies, and best practices, fostering community growth and individual business advancements.



In collaboration with the **Smart i4.0 Transformation Alliance (SiTA)** and **Singapore Polytechnic**, the Smart Automation Industry Group (SAIG) organised the Advanced Manufacturing Learning Journey on 13 May 2022.



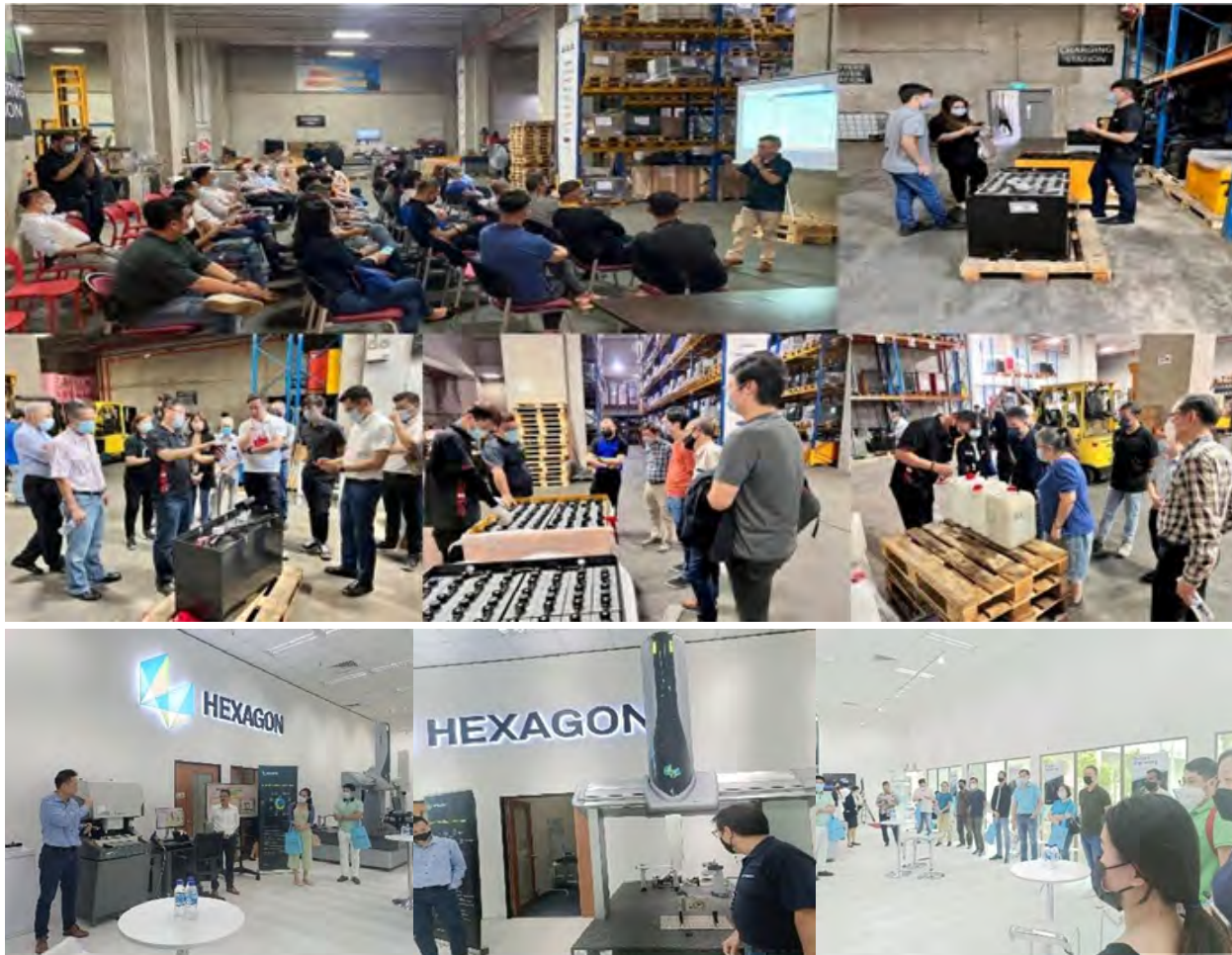
SAIG organised a site visit to SAIG member **Meka Innovation Pte Ltd's** factory open house on 21 June 2022. SMF members from the various industry groups saw Meka's desktop prototyping machinery during the visit.



In a collaborative initiative, the SMF teamed up with **TÜV SÜD** to organise a comprehensive site visit combined with a networking session on 6 July 2022. This event provided members with an opportunity to tour TÜV SÜD's new office and delve into their advanced testing labs. Attendees were given the option to participate in two distinct tracks: a detailed Lab Tour or a Tech Showcase, highlighting the latest innovations and offerings.



SMF Technology & Transformation Function Committee (T&T FC) Members along with AEM IG Committee Members visited **ITE College West's** state-of-the-art Automation and Robotics Centre (ARC) on 8 July 2022. During this interactive session, the emphasis was laid on the significance of training in the realm of smart manufacturing. Additionally, the participants were acquainted with an array of Work Study Diploma courses, underscoring the institution's commitment to holistic professional development.



The SMF organised site visits to companies: **Battery Asia**, **Hexagon Metrology Pte Ltd**, and **Coherent Singapore Pte Ltd** between July to September 2022. During these visits, Battery Asia centered their presentation on enhancing forklift capabilities, Hexagon Metrology showcased their expertise in smart manufacturing, particularly highlighting their advanced robotic arms and methods to bridge data gaps in product quality. Meanwhile, Coherent Singapore, renowned as a leading photonics innovator, shared insights on Factory Excellence achieved through Digitalisation and the implementation of I4.0 technologies.



The SMF partnered with **Green Radar** to address cyber threats in the manufacturing sector on 2 November 2022. Green Radar's presentation highlighted email security and the repercussions of cybercrime, including potential business disruptions and financial losses. The event featured a demonstration of their email security solutions in a multi-monitor room. The informative visit concluded with a networking session, and Green Radar expressed gratitude to SMF for facilitating the event.



On 12 January 2023, the SMF collaborated with Dell Technologies for a site visit to their Executive Briefing Center, focusing on "Enabling Smart/Digital Manufacturing". Dell discussed the imperative of digital transformation in the face of rising manufacturing challenges and showcased how they can foster rapid transitions to smart factories with their robust ecosystem of partners and solutions. Additionally, PD Solutions presented on Industry 4.0 technologies and practical implementations. Members also explored Dell's Customer Solution Center, delving into AI & ML's roles in advancing smart manufacturing.

IMPORTANCE OF ERP IN DIGITAL TRANSFORMATION – TO LEAD OR TO LAG? WEBINAR

The SMF and R Systems co-organised a webinar titled "Importance of ERP in Digital Transformation – To Lead or to Lag?" on 18 May 2022. The aim of this webinar is to provide SMF members with the knowledge on the major impact of ERP on digital transformation and the capability of bringing revolutionary changes in various processes of modern business.



SEAGATE
LYVE™
Cloud
FOR STARTUPS

MXONE
Cloud Managed Platform

Singapore
Manufacturing
Federation
新加坡製造聯盟

Site Visit

Company Profile:

Seagate:
For over 40 years, Seagate has been offering the most innovative and easily integrated storage services built on trust, affordability, and ease. They consistently deliver a seamless experience at the best value.

MXOne:
Working closely with cloud providers, MXONE provides options for companies who are looking to migrate to cloud for their computing needs. They are working along side with more cloud based solution companies to help companies reduced operational cost and enhance productivity.

Event Details:

Date: 16 September 2022, Friday

Time: 2.00pm - 4.30pm

Venue: 26 Ayer Rajah Crescent Singapore (139944)

For more information, please contact Ms. Ong Wen Qi at 6826 3074

On 16 September 2022, the SMF in partnership with Kloudstor Pte Ltd organised a site visit for SMF members to Seagate's latest design centre. During this visit, participants were introduced to the innovative Seagate® Lyve™ Cloud storage platform. They delved into its functionalities and explored how cloud-based solutions can enhance operational efficiency and security for businesses.

EEAI IG TOWN HALL & NEW MEMBERS NETWORKING



The inaugural Town Hall & New Member Networking Session provided a platform for EEAIG members to get to know one another and come up with business strategies to support the industry.

The SMF's EEAIG hosted its inaugural Town Hall & New Member Networking Session on 27 May 2022. Partners like Ecoline Solar Pte Ltd, NTUC Training and Transformation Team, and SMF Centre for Corporate Learning (SMFCCL) were invited to present their business offerings during the session. EEAIG Deputy Chairman Mr Tan Beng Koon, then highlighted the event as a forum to address EEAIG challenges, future strategies by the IG, and to gather feedback. The session also played a conducive platform for networking, with many members interacting with one and other to build business connections.

BPCM IG NETWORKING SESSION

On 12 August 2022, the BPCM IG held a networking session for its members. Mr Benjamin Lim, SMF BPCM IG Chairman, emphasised the importance of networking and active participation in upcoming SMF events, especially post-pandemic.

Speakers from PricewaterhouseCoopers Singapore, Eng and Co. LLC and the Singapore Green Building Council then covered topics related to sustainability, such as ESG tax and Singapore's carbon tax regime, climate risks in the construction sector, and sustainability certification for the industry.



Invited speakers shared about implementing sustainability measures in the built environment at this session.

OVERCOMING CHALLENGES & TRANSFORMATION OPPORTUNITIES AVAILABLE FOR SMES

On 19 August 2022, SMF's LIG held a seminar and networking session titled 'Overcoming Challenges & Transformation Opportunities for SMEs'. The event included insights from LMI Singapore on leadership and transformation concepts and a panel discussion that featured representatives from GOGOX Singapore, Ban Hock Hin Co., Bob the Baker Boy, and Action City. Panellists discussed navigating challenges during the pandemic and strategies for post-pandemic business transformation.



SMF's LIG held a seminar and networking session with panellists from companies in the lifestyle industry.

SINGAPORE PACKAGING STAR AWARDS GALA DINNER

The Singapore Packaging Star Awards (SPSA) is a prestigious national award that honours companies and students for their innovative and creative packaging designs and material use. The Award has four categories – Commercial Sales & Display, Commercial Environmental Sustainable Packaging, Commercial Transportation & Protection, and Student Sales & Display category. Winners of the Singapore Packaging Star Awards will have the opportunity to gain regional and international acclaim as they will be eligible to compete in the AsiaStar Awards and WorldStar Awards.

The SPSA Ceremony 2022 was held in-person on 2 September 2022 after two years of holding the ceremony online. Organised by the SMF's PCS IG, the ceremony was graced by Guest-of-Honour Dr Amy Khor, Senior Minister of State for Sustainability & the Environment and Transport and recognised 23 innovative packaging designs.



The SMF's PCS IG held the Singapore Packaging Star Awards (SPSA) Ceremony on 2 September 2022, with Dr Amy Khor, Senior Minister of State for Sustainability & the Environment and Transport as the Guest-of-Honour.

MENTAL WELLNESS DIALOGUE AND MID-AUTUMN FESTIVAL NETWORKING BBQ

The SMF's Health, Safety, Security and Environment (HSSE) Function Committee (FC) organised a Mental Wellness Dialogue and Mid-Autumn Festival BBQ dinner on 9 September 2022. This event invited speakers from Workwell Leaders, Dell and Hanbaobao (McDonald's SG) to discuss the importance of mental wellness in the workplace, at a time when staff's mental hygiene was affected, exacerbated by COVID-19 restrictions. The event concluded with a BBQ dinner, the first since 2019, fostering networking among members.



The SMF's HSSE FC organised a mental wellness dialogue session for SMF members.



After the dialogue, the FC had a networking BBQ dinner to celebrate Mid-Autumn with the members.

THE SMF YOUTH NETWORK HOLDS BUSINESS SHARING AND NETWORKING AT SHOPBACK

The SMF Youth Network is a network that comprises young entrepreneurs and new-generation leaders. Chaired by Mr Eugene Yoo of Johnson & Johnson Pte Ltd, the SMF Youth Network regularly holds site visits and dialogue sessions for information sharing and facilitates networking between its members.

On 4 November 2022, the SMF Youth Network hosted a session at ShopBack Campus. ShopBack's Managing Director, Mr Ng Aik Phong, discussed the company's challenges and shared unique marketing insights from Australia. Thereafter, members networked with one another to find opportunities for business collaborations.



The SMF Youth Network organised a business sharing session at Shopback Campus.

INDUSTRY ENGAGEMENT ON WSH DEVELOPMENTS FOR THE MANUFACTURING SECTOR WITH MOM AND WSHC

On 15 November 2022, the SMF, in collaboration with the Workplace Safety and Health Council (WSHC) and the Ministry of Manpower (MOM), organised an industry engagement to update companies on the new Demerit Points System (DPS) and the Approved Code of Practice (ACOP) on Chief Executives and the Board of Directors' WSH Duties.

During the session, speakers from MOM and WSHC shared common contraventions, case studies, and available programmes by WSH Council to help improve WSH standards. The session also welcomed members from the Singapore National Employers Federation (SNEF) and the National Trades Union Congress (NTUC), with an engaging networking session held with SMF members after the event.



MOM and WSH Council representatives held a panel discussion to answer questions from SMF members on the latest WSH developments.

ECONOMIC FORECAST FOR 2023

The SMF held its inaugural Economic Forecast for 2023 and Networking Dinner on 25 November 2022 for SMF Council members, the different Committee members of the SMF Function Committees and Management Committees as well as the Board of Directors of the SMF's Associated Services.

The event had RHB Singapore sharing insights on the economy for 2023. The SMF was also honoured to have Hungarian Ambassador to Singapore Her Excellency Ms Judit Pach grace the event and share insights on the economic and commercial landscape in Hungary. The last presentation was by SMF Council member Mr Desmond Tay who dialed in from Japan to share his business experience in the African market.

The event concluded with a dinner in a casual setting for networking for attendees.



The SMF held its inaugural Economic Forecast for 2023 with presentations from RHB Singapore, Hungarian Ambassador to Singapore Her Excellency Ms Judit Pach and SMF Council member Mr Desmond Tay

E2I/SMF JOBS DISCOVERY FAIR

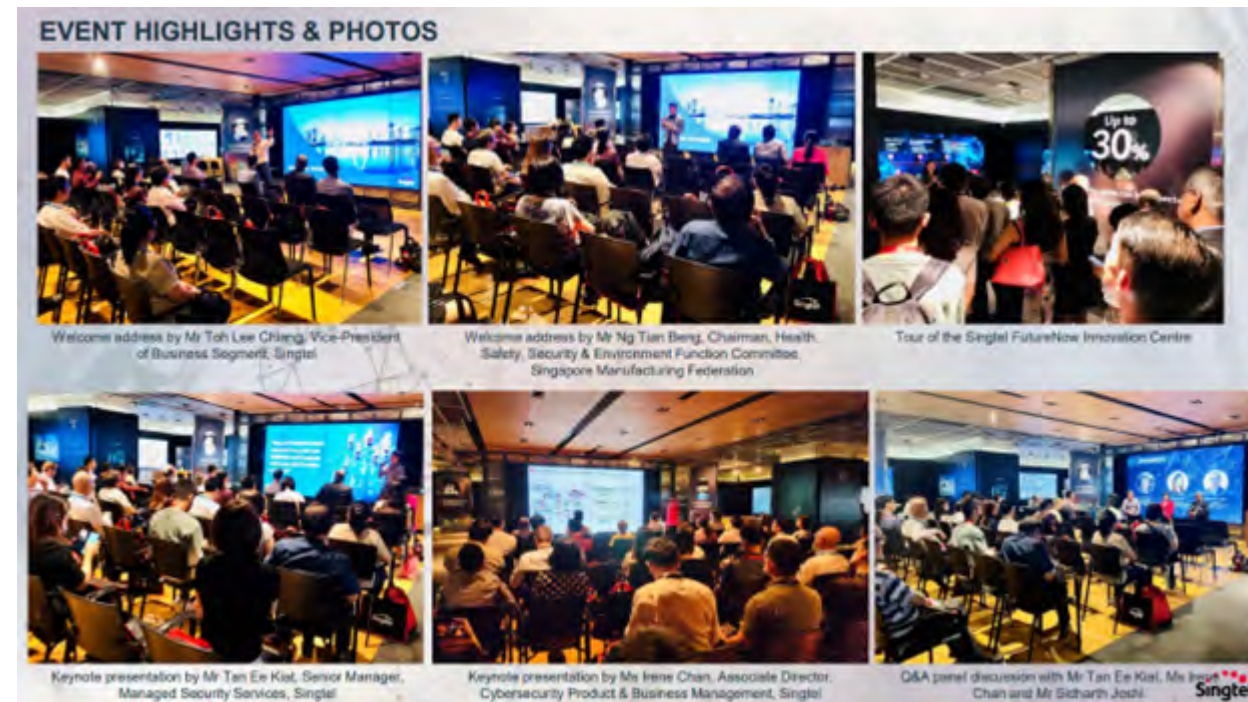


The SMF collaborated with e2i to organise a job fair for SMF members to find potential employees.

On 29 November 2022, the SMF and e2i hosted a Jobs Discovery Fair titled "Exploring opportunities in the Manufacturing Sector", promoting PMET and Non-PMET roles in the manufacturing sector. 20 SMF member companies participated in the fair, with hope to fill up the vacancies in their companies. This job fair also held a seminar where SMF Centre for Corporate Learning (SMF CCL) shared details on the Career Conversion Programmes (CCPs), which enable mid-career shifts through industry-relevant training, thus broadening the talent pool for companies.

Through this collaboration with e2i, the SMF aims to address member companies' manpower challenges and strengthen the Singaporean Core.

“LEARN HOW TO SPOT CYBER THREATS AND PROTECT YOUR BUSINESS” SEMINAR



On 7 December 2022, the SMF and Singtel co-organised a seminar titled “Learn How to Spot Threats and Protect Your Business” at SingTel’s FutureNow Innovation Centre. The seminar emphasised the importance of cybersecurity in today’s rising threat landscape. Attendees then toured the centre and were briefed on the increasing cyber risks, such as the 54% uptick in ransomware attacks in Singapore in 2021. Key presentations offered strategies like “Educate”, “Protect”, “Monitor”, and “Respond” and detailed Singtel’s comprehensive cybersecurity solutions. A Q&A session and networking wrapped up the day, ensuring members left better equipped to handle cybersecurity challenges.

CHRISTMAS CELEBRATION WITH MEMBERS



The SMF celebrated Christmas with members and provided them a platform to network.

On 8 December 2022, the SMF, in collaboration with RHB Singapore, organised an annual Christmas celebration for its members to conclude the year. The festive gathering offered networking opportunities through activities such as Bingo, Lucky Draw, and game booths. In addition, Aspirenxt, SaasWorx, the Global Ready Talent (GRT) team, and the Packaging Partnership Programme (PPP) team presented their products and services to SMF members.

NEW YEAR NETWORKING @ BRASS LION DISTILLERY

On 27 January 2023, the SMF Youth Network and SMF’s LIG collaborated on a Gin Distillery Tour at Brass Lion Distillery, one of Singapore’s two gin manufacturers offering such tours. Members from the Youth Network and LIG appreciated the gin sampling and insights into its manufacturing process.



The SMF Youth Network and LIG organised a Gin Distillery Tour at Brass Lion Distillery.

LUNAR NEW YEAR CELEBRATION WITH SMF MEMBERS



The SMF organised a Lunar New Year celebration with SMF members with traditional lion dance and “Lo Hei” toss. The SMF also appreciated RHB Singapore for its support over the years.

On 31 January 2023, the SMF celebrated Lunar New Year with SMF members and usher in the Year of the Rabbit. The event featured a feng shui reading, traditional lion dance and the festive “Lo Hei” toss for good luck. During the event, the SMF commemorated its years of partnership with RHB Singapore and highlighted an ongoing collaboration. Special thanks go to Amazon Web Services, Info-Tech Systems Integrators, and Starlite Printers for supporting this event!

LS IG AND MTIG HELD CLOSED-DOOR DIALOGUE SESSIONS WITH THE HEALTH SCIENCES AUTHORITY (HSA)

The SMF’s LS IG and MTIG held its annual HSA dialogue with HSA CEO Dr Mimi Choong on 13 and 20 March 2023 respectively. Through this closed-door dialogue session, members highlighted the key concerns faced in the Medtech and Life Sciences industries



Members from LS IG and MTIG held its annual dialogue session with HSA CEO Dr Mimi Choong in March 2023.

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
Nestl  Singapore Pte Ltd

Companies

Organisation’s Name	Advisory Representatives	Designation
Borouge Pte Ltd	Mr Pratyush Bandyopadhyay	Vice President - Packaging
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 and Communications
Procter & Gamble (P&G)	Ms Junie Tok	Director
Sheng Siong Group	Ms Lin Rui Wen	Executive Director, Sheng Siong Group

Government Agencies

Organisation’s Name	Advisory Representatives	Designation
Enterprise Singapore (Enterprise SG)	Ms Yeo Meow Ling	Director, New Industries
Enterprise Singapore (Enterprise SG)	Ms Kelly Wong (Alternate)	Development Partner
National Environment Agency (NEA)	Mr Christopher Tan	Director, Waste and Resource Mangement Department
National Environment Agency (NEA)	Mr Pierre Ng (Alternate)	Deputy Director (Planning & Development), Waste and Resource Management Department

NGO/NPO

Organisation’s Name	Advisory Representatives	Designation
World Wide Fund for Nature (WWF)	Ms Koh Wei Lin	Materials Expert

Trade Associations and Chambers (TACs)

Organisation’s Name	Advisory Representatives	Designation
Packaging Council of Singapore (PCS), SMF	Ms May Yap	Chairman
Singapore Food Manufacturers’ Association (SFMA)	Ms Angeline Lee	SFMA EXCO (Director of Sustainability)
Singapore Retail Liquor Shop Association (SRLSA)	Mr Rodney Goh	President
Waste Management & Recycling Association of Singapore (WMRAS)	Mr Michael Ho	Emeritus Senior Member

Research Institute

Organisation's Name	Advisory Representatives	Designation
Agency for Science, Technology and Research (A*STAR)	Dr Li Xu	Senior Scientist, Institute of Materials Research and Engineering (IMRE)

Co-opted Members

Name

Mr Albert Lim

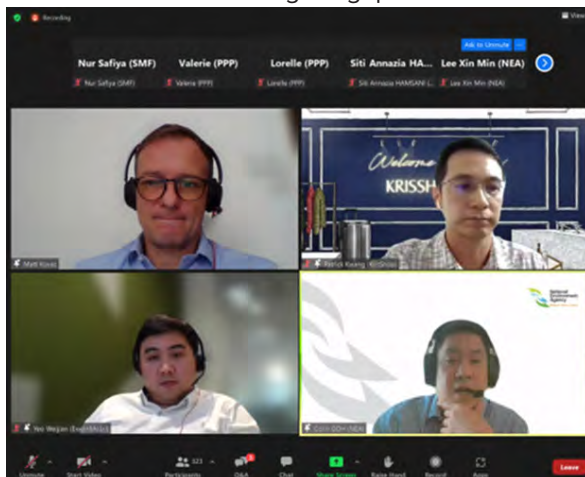
Mr Ong Lye Huat

ABOUT THE PACKAGING PARTNERSHIP PROGRAMME

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 more than 400 members and held a total of 10 events, including a PPP x PCS Conference and a MPR briefing session that was held for five days, where over 1,200 participants from 640 companies attended.

PPP ROUNDTABLE SESSION

On 25 April 2022, the SMF's PPP held an online Roundtable Session discussing Singapore's Zero Waste Masterplan and the Mandatory Packaging Reporting (MPR) framework. The session attracted more than 300 attendees, and featured speakers from KrisShop, ExxonMobil, and the National Environment Agency (NEA). Key takeaways included the introduction of the Beverage Container Return Scheme (BCRS), a highlight of ExxonMobil's sustainability initiatives, and KrisShop's packaging strategies. Concluding the session, PPP Chairman Mr Matt Kovac emphasised the necessity of understanding packaging implications. He noted that while some smaller businesses might find reporting challenging, recognising their packaging footprint can pave the way for future improvements.



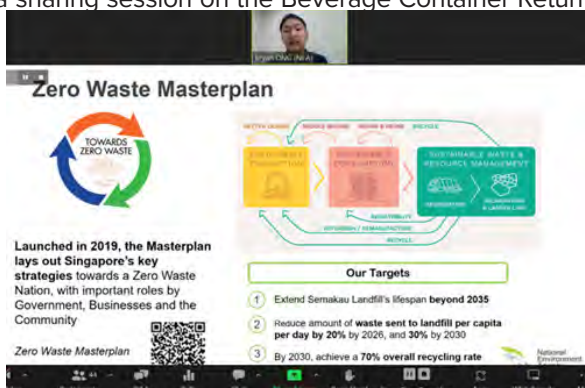
The speakers answered any burning questions on sustainable packaging from attendees towards the end of the roundtable session.

SHARING SESSION ON THE BEVERAGE CONTAINER RETURN SCHEME (BCRS)

The Packaging Partnership Programme (PPP) conducted a sharing session on the Beverage Container Return Scheme (BCRS) on 27 July 2022, attended by members from PPP and SMF's Food & Beverage Industry Group (FB IG). During the session, speakers from the National Environment Agency (NEA) shared the proposed details on the BCRS, such as the material and types of beverage packaging to be covered, labelling requirements, return infrastructure, and the scheme's administration.

The session also covered the SG Green Plan 2030, particularly about the "Sustainable Living" pillar.

The BCRS will be the first phase of the Extended Producer Responsibility approach to managing packaging waste. The scheme will contribute to Singapore's zero-waste efforts by cultivating recycling habits and aggregating clean and high-quality recyclables, which can be used to make new products.



NEA shared the proposed details on the BCRS to members from PPP and FBIG.

PPP X PCS CONFERENCE 2022

The SMF's PPP held a joint conference with the SMF's Packaging Council of Singapore (PCS) Industry Group on 7 October 2022.

Themed "Moving Towards Extended Producer Responsibility for Packaging", the PPP x PCS Conference 2022 was graced by Senior Minister of State for Sustainability and the Environment & Transport Dr Amy Khor as the Guest-of-Honour.

Industry experts from organisations such as the National Environment Agency (NEA), the World Packaging Organisation (WPO), Creativeans, Toyo Ink in Japan and IVL Svenska Miljöinstitutet shared their knowledge on sustainable packaging practices and the Extended Producer Responsibility approach for packaging waste management.

The Conference also saw the launch of a new Technical Reference (TR) for sustainable packaging practices, TR 109 on Sustainable Packaging Guiding Framework and Practices.



Senior Minister of State for Sustainability and the Environment & Transport Dr Amy Khor was the Guest-of-Honour for the PPP x PCS Conference 2022.

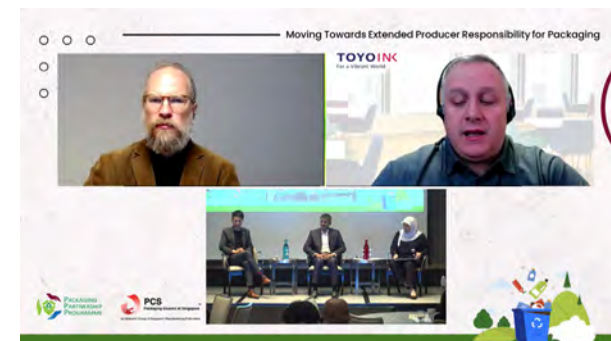
MANDATORY PACKAGING REPORTING (MPR) BRIEFING

The Mandatory Packaging Reporting (MPR) Briefing took place from 21 to 23 February and 1 to 2 March 2023, catering to companies mandated to report for that year. Over 1,200 representatives from 640 companies attended the 2-hour session

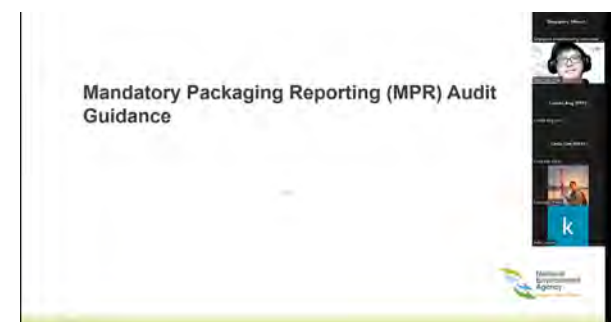
to address MPR concerns.

The briefing was designed to guide companies, especially those new to the reporting process. National Environment Agency (NEA) officers shed light on the dos and don'ts based on 2022's inaugural reporting and discussed the auditing process, providing practical examples.

A subsequent Q&A session clarified concerns, primarily focusing on reporting requirements, 3R plans, auditing schedules, selection, and the feasibility of virtual audits.



A Q&A session was held with the speakers towards the end of the conference.



The SMF's PPP held a Mandatory Packaging Reporting (MPR) Briefing for companies mandated to report for 2023.

SUSTAINABLE PACKAGING SOLUTION PROVIDER LIST

The SMF's PPP has introduced a sustainable packaging solution provider list to aid members and businesses with their MPR responsibilities and transition to sustainable packaging. The list of solutions is accessible on

the PPP website. Companies that are interested in being featured as a solution provider, can also register via the website.

SITE VISITS ON RECYCLING

The SMF's PPP actively organises site visits to various recycling facilities in Singapore to offer members a deeper understanding of the recycling landscape. Through these tours, members can directly learn about recycling practices and their impact on businesses.



The PPP members visited TOMRA Singapore's Resource Transformation Centre on 15 June 2022. TOMRA showcased their diverse Reverse Vending Machines (RVMs) and discussed their global application and contribution to the circular economy. Members interacted with TOMRA representatives, understanding the workings of RVMs and their significance in the Deposit Return Scheme (DRS). Conversations revolved around the potential benefits of DRS for Singapore and its broader impact on businesses.



On 7 December 2022, PPP arranged a visit to SembWaste's Materials Recovery Facility (MRF). Attendees delved deep into the processes at MRF, from collection to redistribution of sorted materials. The tour shed light on Singapore's recycling intricacies, such as wooden pallets being sent to Jurong Island for recycling and certain items like glass or textiles being recycled overseas. Key recycling practices were emphasised, including the importance of preventing disposal of flammable items in blue bins and the convenience of leaving bottle caps on bottles.



The SMF's PPP organised a site visit to Ravago Manufacturing's plastic recycling facility on 9 February 2023. Ravago shared intriguing facts, including their handling of 46% of Singapore's recycled plastic across their Tuas and Lim Chu Kang plants. They addressed pressing concerns, notably the drawbacks of bio-degradable plastics in Singapore's context. The highlight of the tour was witnessing the intricate plastic recycling process – from initial sorting to the final sale-ready product.

SMF Centre for Corporate Learning (SMF CCL)

For over five decades, the SMF has been championing lifelong learning to the Singapore business community. It has been instrumental in its mission of helping companies and their workforce in skills upgrading and human capital development to better respond to the rapid changes and opportunities brought about by industry transformation and technology disruptions.

To meet the growing needs of SMF members and clients, the SMF sets up the SMF Centre for Corporate Learning (SMF CCL) in 2010. SMF CCL is constantly refreshing its offerings and services which include:

- In-demand training programmes such as Digitalisation, Industry 4.0, etc.
- Masterclasses in emerging areas such as Sustainability and Cybersecurity
- Career Conversion Programme (CCP) for the manufacturing sector supported by Workforce Singapore (WSG)
- Conduct training consultancy or training needs analysis to identify skills gaps
- Customised skills upgrading and training programmes for companies
- Job matching services in collaboration with relevant agencies and partners

CREATION OF NEW COURSES

The SMF CCL has curated several new courses to meet the training needs of member companies.

To maintain our Approved Training Organisation (ATO) status with SkillsFuture Singapore (SSG), the SMF CCL is required to align its current courses with the new skills framework by 31 Dec 2022.

As of the end of March 2023, the SMF CCL has developed courses tailored for the manufacturing sector. These include:

- WSQ Leading the Manufacturing Sustainability
- Quality 4.0 Mindset & Practices
- Robotic Process Automation for Manufacturing
- Implementation of IoT for Organizations
- Enterprise Cyber Security Awareness Course
- Strategic Production Planning, Scheduling, and Control
- Manage Strategic Resources for Logistics.

GOVERNMENT PROGRAMMES

Career Conversion Programme for SME Executives

The SMF CCL is the programme partner for the Career Conversion Programme for SME Executives from 1 Jan 2022 to 31 Dec 2023. Through this

SMF CCL BOARD OF DIRECTORS

Chairman

Ms Margareta Laminto
Fullerton Health Pte Ltd

Ms Serene Sia
Autodesk Asia Pte Ltd

Mr Eddie Lim
Jil & Yellowtail Pte Ltd

Directors

Mr Fabio Tiviti
Infor South Asia

Ms Suchitra Narayan
SGInnovate Pte Ltd

Mr Dennis Mark
Singapore Manufacturing Federation

Mr Tan Chor Meng
Wiley Education Asia

Mr Desmond Tay
GUUD Pte Ltd

Mr Peter Isaac Chan
IPS Group Pte Ltd

programme, the SMF CCL can support more than 300 positions. There is also an incentive grant of \$2,600 per trainee.

Achievement:

Allocated with 300 placements, the SMF CCL has successfully achieved 95% placement with 282 trainees by March 2023.

- Within 6 months of receiving the Letter of Offer (LOO), the SMF CCL achieved 60% placement and informed Workforce Singapore (WSG) for additional funding needs.

Impact:

The SMF CCL achieved its target within a short timeframe due to the SMF's expansive member base of about 5,000 members. Additionally, the SMF CCL maintains a database of more than 5000 companies that are not part of the SMF's membership base.

Broad-Based Career Conversion Programme for the Manufacturing Sector

The SMF CCL was appointed a programme partner for the Broad-Based Career Conversion Programme (CCP) for the Manufacturing Sector by Workforce Singapore (WSG). The new Letter of Offer (LOO) spans from 13 Aug 2022 to 30 Oct 2024. The objective is to facilitate the job conversion for 900 job seekers into new roles within the manufacturing sector.

LEARNING MANAGEMENT SYSTEM (LMS)

The SMF CCL partnered with a local SME to develop its ability to deliver blended and bite-size learning through an LMS. This initiative aligns with CCL's effort to promote workplace learning for its members and customers. In November 2022, CCL introduced a bite-size course on Cybersecurity, with 36 companies registering for it.

Additionally, the SMF CCL is developing an On-the-Job Training (OJT) module within the LMS to support the CCP.

PAST EVENTS BY SMF CCL



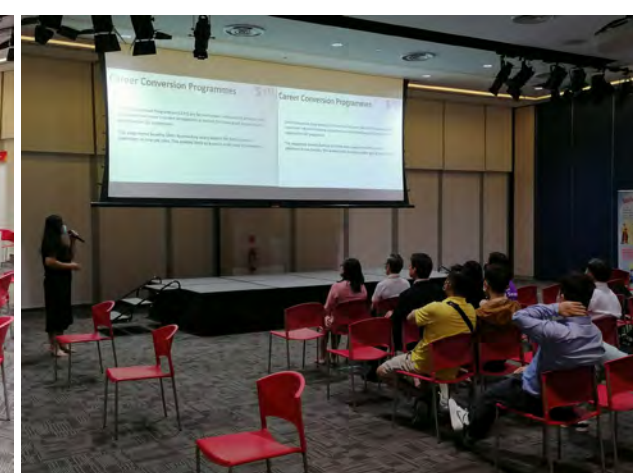
In collaboration with The Matcha Initiative, the SMF CCL held its first Masterclass on Sustainability in June 2022. This two-day course used a "Learning by doing" approach to provide attendees with the necessary knowledge on sustainability.



The SMF CCL collaborated with SSG to host an appreciation lunch for SMF CCL's regular customers on 26 August 2022. This networking event also provided a platform for SMF CCL's customers to learn of SMF CCL's new programmes that can help them with their upskilling and reskilling endeavours.



The SMF CCL and SME Centre@SMF, together with their partners - The Matcha Initiative, the Singapore Business Federation (SBF), McKinsey & Company, iPlast 4.0 and Workforce Singapore, held a seminar titled "Gearing Towards a Transformative Future" on 8 November 2022. The seminar covered various key trends - Industry 4.0, sustainability and human capital - crucial for businesses as they navigate the current time for growth.



On 29 November 2022, the SMF CCL presented the Career Conversion Programmes (CCP) at a Jobs Discovery Fair titled "Exploring opportunities in the Manufacturing Sector". The job fair was jointly organised by the SMF and e2i.



On 19 December 2022, the SMF CCL held its first appreciation lunch for its trainers to thank them for their services rendered to the centre. The lunch event saw trainers networking with one another as they shared their experiences and advice for delivering better training experiences to their students.



The SMF CCL held its first class for WSQ Leading the Manufacturing Sustainability course in February 2023. This course is the first WSQ-funded sustainability course that is specially designed for the manufacturing sector.



The SMF CCL held a seminar on ChatGPT for Business on 23 March 2023, the first TAC to organise such an event on ChatGPT. The over-subscribed seminar saw participants exploring and learning the power of AI for their business under the guidance of subject matter expert facilitators, including those from SMF CCL's partner Microsoft.

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 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 Phyllis Ong
Armstrong Industrial Corporation Limited

Mr Vincent Wong
Continental Automotive Singapore Pte Ltd

Ms Kwan Hoi Chee, Deborah Connie
Aalst Chocolate Pte Ltd

Mr Dennis Mark
Singapore Manufacturing Federation

Signing of Memorandum of Understanding with the United Nations World Intellectual Property Organization (WIPO)

The SMF's Singapore Innovation & Productivity Institute (SIPI) and World Intellectual Property Organization (WIPO) signed an MOU on 24 August 2022 to support Singapore companies in growing their business through the strategic use of their Intellectual Property (IP).

Three pilot workshops were held on 7 November 2022, 6 December 2022 and 28 February 2023 respectively which saw 80 participants from a total of 58 enterprises successfully completing the programme. The workshop introduces WIPO IP Diagnostics tools to provide support to SMEs and SME intermediaries in using the IP system for business competitiveness.



SMF President Mr Lennon Tan (left) and SIPI Chairman Ms Audrey Yap (right), represented SMF and SIPI respectively to sign an MOU with WIPO Director General Mr Daren Tang (middle).



SIPI and WIPO held three pilot workshops to introduce WIPO IP Diagnostics tools to 58 enterprises.

SIPI Organised Inaugural Food Tech 2023

The SMF's SIPI, SMF-Standards Development Organisation (SDO) and the SME Centre@SMF jointly organised Food Tech 2023 on 13 January 2023.

Food Tech 2023 showcases the SMF's efforts in supporting the emerging food tech industry, attracting some 100 attendees from across the industry. The event also saw the launch of the Singapore Standard (SS) 687 Guidelines for Food e-Commerce, with Minister for Sustainability and the Environment Ms Grace Fu as the Guest-of-Honour. The standard provides clarity on the roles and responsibilities related to food safety that is expected of food e-commerce chain players such as online food businesses/sellers, online platform providers and logistics service providers.



During Food Tech 2023, Minister for Sustainability and the Environment Ms Grace Fu launched the Singapore Standard (SS) 687 Guidelines for Food e-Commerce.



Minister Grace Fu toured the booths of Foodtech companies to see the products that were showcased.

SIPI Organised Additive Manufacturing Week

The SMF's SIPI, with support from TÜV SÜD Asia Pacific Pte Ltd and the National Additive Manufacturing Innovation Cluster (NAMIC), organised a Additive Manufacturing Week from 16 to 18 August 2022. A series of activities such as talks, displays and factory tours were held to facilitate learning and knowledge exchange on the latest technologies and cutting-edge applications in the additive manufacturing sector.



SIPI Chairman Ms Audrey Yap gave out token of appreciations to representatives from the supporting organisations.



Companies showcased the products that additive manufacturing technologies can manufacture.

GS1 Singapore Limited

GS1 Singapore is a member-based, not-for-profit organisation that operates as the local chapter of GS1, an international standards organisation, with its global office based in Brussels, Belgium. GS1 Singapore is dedicated to the development and adoption of global supply chain standards to improve efficiency, visibility, and traceability in various industries.

One of the key services offered by GS1 Singapore is the issuance of Global Trade Item Numbers (GTINs) and barcodes, which are used to uniquely identify products. By utilising these standardised codes, businesses can enhance inventory management, enable accurate product identification, and streamline logistics operations.

Celebrating 50 years of GS1. The GS1 barcode was created to transform grocery shopping and empower more reliable and resilient supply chains.

Industry leaders came together to transform the way we shop and created the barcode in 1973. From that point forward, a simple scan at checkout connected a physical product to its digital identity—and information that could be shared in stores and throughout the supply chain. Since then, GS1 standards have powered more reliable and transparent supply chains across industries.

Digital transformation, powered by GS1, will unlock limitless possibilities for businesses, people, and the planet. Our future has never looked brighter. New multipurpose 2D barcodes powered by GS1 standards are transforming a simple scan, opening a gateway of in-depth product information. Whether on an in-store scanner or a mobile phone, they will create new opportunities to improve business operations, consumer experiences, patient safety, and sustainability initiatives.

GS1 Singapore Food Forum: Digital Era of Food Supply Chain, 30 June 2022

GS1 Singapore organised a Food Forum on 30 June 2022 with the aim to bring together food manufacturers, importers, distributors and food retailers to gain a better understanding of the industry's needs, identify areas of mutual benefits for collaboration and discover practical food safety solutions to implement in any size. Invited solution partners Esker, Exceedra, and i-Sprint shared their perspectives on addressing challenges to implement a more resilient food supply chain, while Food Industry Asia (FIA) and NTUC Fairprice shared

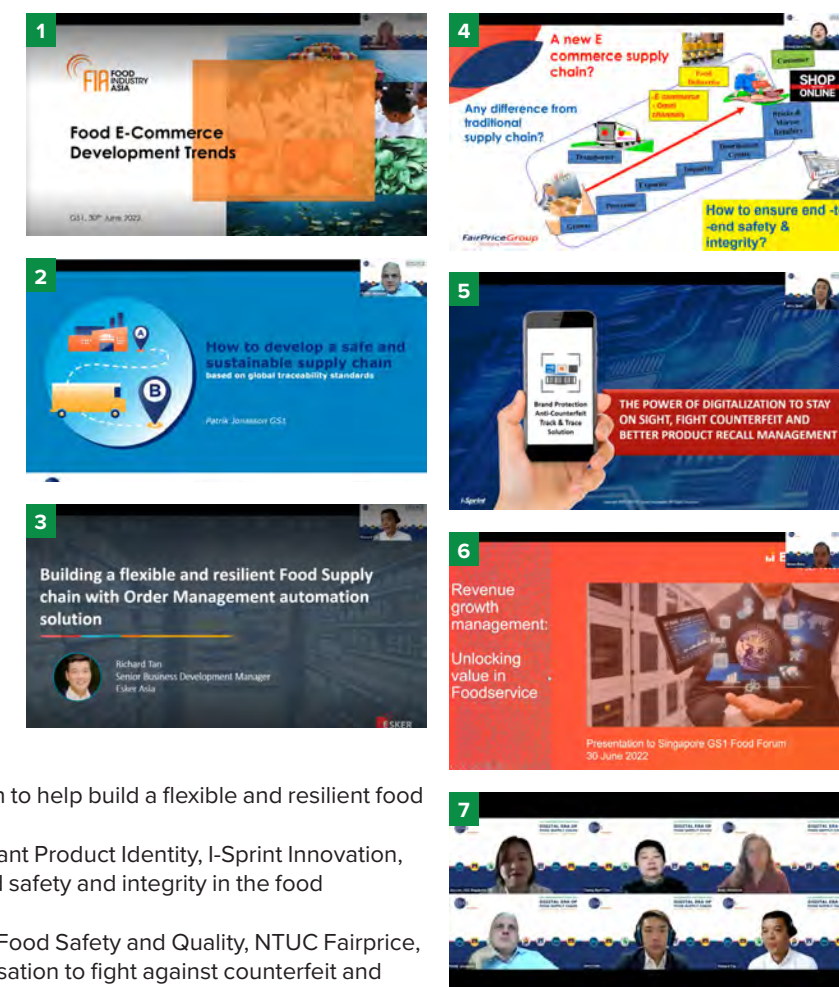
116 local Member Organisations



GS1 believes in the power of standards to transform the way we work and live.

the development trends of food e-commerce as well as managing food safety risks from a retailer's perspective. The webinar was catered to businesses that were looking to building and developing a safe and sustainable food supply chain based on global traceability standards.

1. Ms Emiy Whitelock, Senior Regulatory Affairs Executive, Food Industry Asia (FIA), shared development trends in food e-commerce.
2. Mr Patrik Jonasson, Senior Director Public Policy, GS1 Asia Pacific, shared ways to develop a safe and sustainable supply chain.
3. Mr Richard Tan, Senior Business Development Manager, Esker Document Automation Asia, shared about the Order Management automation solution to help build a flexible and resilient food supply chain.
4. Mr Jerry Quek, Pre-sales Consultant Product Identity, i-Sprint Innovation, spoke about ensuring end-to-end safety and integrity in the food e-commerce supply chain.
5. Ms Chong Nyet Chin, Director of Food Safety and Quality, NTUC Fairprice, talked about the power of digitalisation to fight against counterfeit and manage better product recalls.
6. Mr Simon Elsy, APAC Sales and Customer Director, Exceedra, shared about revenue growth management.
7. Ms Joy Lee (top left), Manager, GS1 Singapore, moderated a Q&A session with the speakers towards the end of the webinar.



GS1 SG Healthcare Forum 2023, 1 December 2022

GS1 Singapore organised the annual Healthcare Forum with the theme “Empowering Healthcare Supply Chain using Standards and Digitisation” on 1 December 2022. With healthcare top executives looking at ways to restructure their supply chain to be more cost-effective and operationally efficient, a significant step on the right path to boosting that efficiency is through the adoption of standards and technologies. During the forum, attendees learned about the latest healthcare supply chain trends and technologies from solution partners Avery Dennison, Esker Document Automation Asia, and Zuellig Pharma. GS1 Singapore also invited a speaker from Johnson and Johnson to share their implementation journey using GS1 Digital Link-based app to deliver product information to users, creating new opportunities for innovation in the process, and improves customer experience and patient safety.

1. Mr Christopher Ang, CEO, GS1 Singapore delivered the welcome address.
2. Mr Andy Siow, Senior Manager, GS1 Singapore, was the host and moderator.
3. Mr Shakahr Nambi, Director, Johnson & Johnson Supply Chain, shared the company's experience of implementing GS1 Digital Link standard.



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FarEastFlora.com Pte Ltd

Mr Wayne Sim

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Mr Dennis Mark

Singapore Manufacturing
Federation

Directors

Mr Tan Boon Chong
GP Batteries International Limited

Mr Ng Kah Fai

Johnson & Johnson Asia Pacific

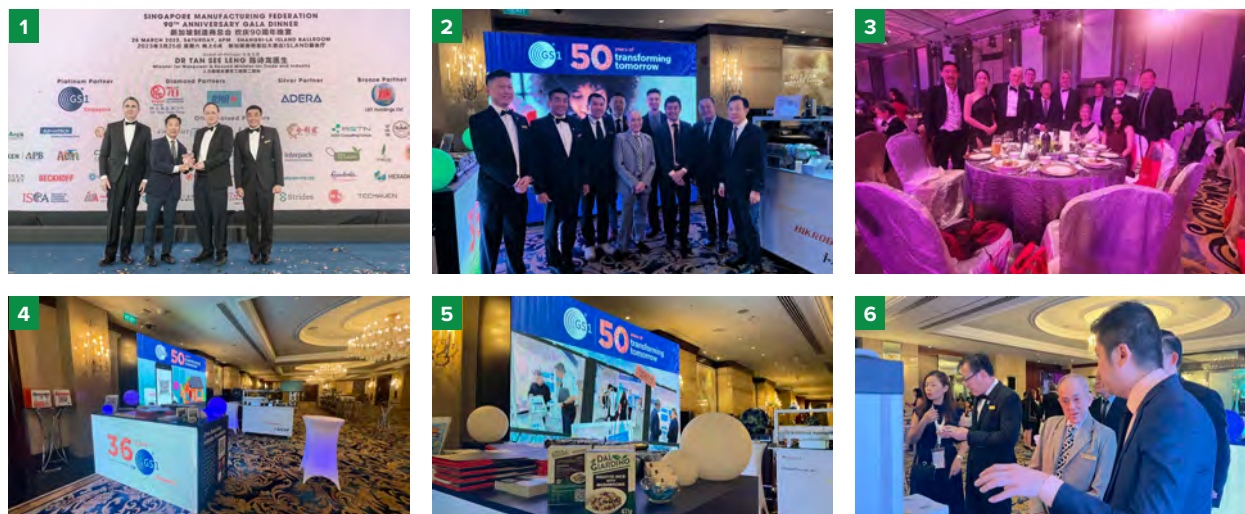


4. Mr Richard Tan, Senior Business Development Manager, Esker Document Automation Asia, shared about automated order management during his presentation.
5. Mr Pankkaj Lunia, APAC Market Development Leader, Avery Dennison Smartrac, shared about the benefits of digital identity in the healthcare/pharma industry.
6. Ms Michelle Tan, Head of Business for eZTracker, Zuellig Pharma, shared about using blockchain for a future-ready digital supply chain.

SMF 90th Anniversary Gala Dinner, 25 March 2023

On 25 March 2023, GS1 Singapore participated in the SMF 90th Anniversary Gala Dinner held at Shangri La Hotel as the platinum sponsor of this event. The Gala Dinner was attended by some 1,000 business and government leaders regionally and globally. GS1 is celebrating “50 Years of Transforming Tomorrow” and leveraging the SMF Gala Dinner event as a marketing platform to launch the GS1 50th Anniversary promotion and awareness campaign. 50 years ago, the GS1 barcode was created to transform grocery shopping and empower a more reliable and resilient supply chain. Looking into the future, digital transformation powered by GS1 will unlock limitless possibilities for businesses with the introduction of multipurpose 2D barcodes -transforming a simple scan that opens a gateway of in-depth product information to create new opportunities to improve business operations, consumer experiences, patient safety and sustainability initiatives.

GS1 Singapore also set up a booth at the event with full-screen LED panels as a backdrop to promote GS1 & GS1 Singapore’s branding. We also invited our valued partners, Google and i-Sprint to participate in our booth to engage invited guests with a showcase of 2D barcodes and GS1 digital links in applications.



1. Mr Christopher Ang, GS1 Singapore CEO, received a sponsor plaque from the Guest-of-Honour, Dr Tan See Leng, Minister for Manpower & Second Minister for Trade and Industry.
2. Group photo at GS1 Singapore’s booth with Mr Ryan Chioh, GS1 Singapore Chairman, Mr Lennon Tan, SMF President, and partners.
3. Group photo at SMF Gala Dinner with Mr Renaud de Barbuat, President & CEO of GS1, together with GS1 colleagues and partners.
- 4-5. GS1 Singapore booth theme “50 Years of Transforming Tomorrow”, showcased GS1 2D barcode and applications.
6. GS1 Singapore team engaging with guests during the SMF Gala Dinner.

SME Centre@SMF (SMEC@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 services 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 business diagnosis and advisory, capability workshops, group-based upgrading projects, and guidance on government schemes and programmes. 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.

Being ISO 9001 certified, the SMEC@SMF is committed to providing quality services to SMEs and aspiring entrepreneurs through its pool of dedicated and 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 2022/23.

- Conducted over 6000 one-on-one business advisories
- Facilitated over 1000 cases covering both grant and non-grant related, such as using diagnostic tools for self-assessments
- Organised 23 Capability Workshops, which were attended by more than 1400 SMEs
- Facilitated 2 Group-based Upgrading Projects (with minimum 10 companies on board each project)



Meet the team at SME Centre@SMF

SMEC@SMF BOARD OF DIRECTORS FOR 2-YEAR TERM (FROM 1 JUNE 2022 TO 31 MAY 2024)

Chairman

Mr David Chia
Beckhoff Automation Pte Ltd

Deputy Chairman

Ms Vivian Chua
HP Singapore (Pte) Ltd

Director

Mr Eddie Lim
Jil & Yellowtail Pte Ltd

Independent Director

Mr Willson Deng
Arcstone Pte Ltd

Manufacturing Expert Panel

Working with the SMF, the SMEC@SMF helps address the challenges faced by the manufacturing community. Through the Manufacturing Expert Panel (MEP), it aims to provide a channel for the manufacturing community to seek technical input and recommendations for capability building, infrastructure set up, I4.0 and digitalisation. The MEP comprises experts from the various industry groups under the SMF, which allows for a diverse range of expertise and experience. Overall, our goal is to help manufacturers navigate the evolving landscape and stay competitive in the digital era.

With the resumption of in-person events, SMEC@SMF aims to actively engage and support SMEs in their journey towards growth and success. Through events and workshops, we provide a unique platform for SMEs to come together, share experiences, and exchange valuable insights. From industry-specific discussions to expert-led workshops, these events and workshops will offer practical knowledge, business development strategies, and networking opportunities.

Supporting the SMEs, the SMEC@SMF offers a wide range of valuable resources in areas covering:

- Capability development
- Financing support
- Human resources
- Internationalisation and market access
- Marketing and branding
- Manpower support schemes
- Productivity improvement
- Sustainability

Partners for Business Growth (PBG) Programme

The SMEC@SMF has expanded its scope to support SMEs. Through the PBG Programme, it offers enhanced initiatives to assist 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. Supported by the Business Development Advisors (BDAs), promising enterprises are able to widen their network and accelerate business growth by working hand in



SME Centre@SMF (Singapore Manufacturing Federation) is glad to have supported Kim Guan Guan Coffee Trading Pte Ltd (KGG) under Enterprise Singapore's Partners for Business Growth (PBG) programme through the work of our Business Development Advisor (BDA). In the PBG programme, a dedicated BDA works closely with selected promising companies to conduct business diagnostics, develop 3-year business growth plans, and engage companies for networking events and business bootcamps.

hand with their respective BDAs in developing the 3-year growth plans and implementing capability projects. Promising enterprises would also have the opportunity to attend the curated boot camp developed by Enterprise Singapore to enhance their strategic business planning.

Group-based Upgrading Projects

The Group-Based Upgrading (GBU) projects aim to 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.

Under the latest Group-Based Upgrading (GBU) project by SMEC@SMF, a promising SME – YY Kaifei Dian, a traditional coffeeshop, has achieved a remarkable milestone in its business operations with the support of a Senior Business Advisor (SBA). Through the introduction of state-of-the-art robots, they have experienced an exciting breakthrough in their operations.

These advanced robots effectively and consistently deliver food directly to customers' tables, allowing the staff to allocate their time and efforts towards higher-value tasks. This focus on providing exceptional dining experiences showcases YY Kaifei Dian's dedication to optimising operations, streamlining workflows, and ultimately enhancing productivity through the utilisation of innovative technology. By embracing such transformative measures, YY Kaifei

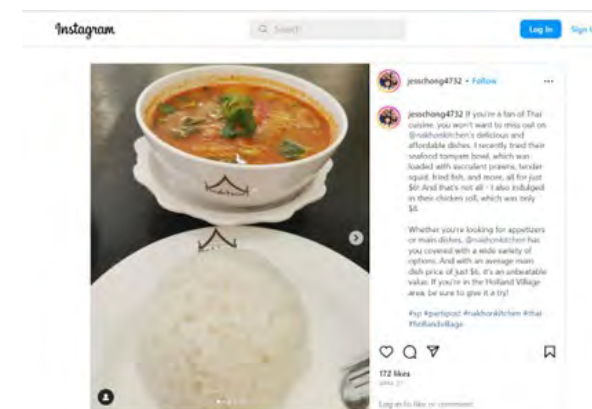


YY Kaifei Dian participated in the Group-Based Upgrading (GBU) project and is considering adopting the robotic waiter in their Bugis outlet after the trial.

Dian demonstrates its commitment to remaining at the forefront of technology and innovation within the F&B industry.

Another successful GBU is the Influencer Marketing Campaign organised in collaboration with Partipost. This campaign provided SMEs with the opportunity to be matched with influencers, receive expert assistance for their marketing campaign needs, have engaging content created and posted by these influencers, and receive a comprehensive campaign report to measure performance.

The primary objective of this campaign was to help SMEs enhance their brand awareness, engage with their target audience, and drive business growth. By harnessing the reach and influence of individuals within their specific niche, SMEs effectively build awareness through the credibility of these influencers. Some 30 SMEs were successfully supported in this GBU.



Nakhon Kitchen participated in the Group-Based Upgrading (GBU) project, and tapped on social influencers to provide reviews and post on social media platforms.

Capability Workshop on "Leveraging TikTok in Your Branding Journey"

SMEC@SMF jointly organised the webinar with TikTok and Wild on 10 February 2023.

The event, which was attended by representatives from 155 SMEs, provided participants with



insights on brand building and strengthening brand reputation on social media, reviews on the latest TikTok trends, and information on the latest TikTok advertising features and products that are available through preferred agencies like Wild.

Guest speakers Sean Pang, Channel Partnerships Manager, TikTok and Kai Xin Lee, Head of Strategy, Wild Advertising & Marketing Pte Ltd shared how TikTok can be a powerful way to reach a wider audience and engage with potential customers.

SME Centre Conference 2022: Navigating the Future of Sustainability

Jointly organised by SME Centres and supported by Enterprise Singapore, the SME Centre Conference is an annual event that aims to address some of the challenges faced by SMEs by bringing together thought leaders and industry experts to share their experiences and provide actionable insights for SMEs.

With over 800 participants, including SME business leaders, entrepreneurs, founders, and policy makers, the conference was held on 31 August 2022 at Marina Bay Sands with the theme "Navigating the Future of Sustainability". Attendees



The SMEC@SMF is pleased to be one of the organisers of the SME Conference 2022 held on 31 August 2022 at the Marina Bay Sands, with its theme on "Navigating the Future of Sustainability."

took the opportunity to connect with like-minded individuals, forge partnerships, and gain valuable industry contacts.

At the conference, one of the SMEs supported under SMEC@SMF’s PBG programme, Long Pun Enterprise Pte Ltd, was featured for its commendable efforts in promoting sustainability solutions while achieving business growth. With guidance from the Business Development Advisor from SMEC@SMF, Long Pun Enterprise, a member of the SMF, has ventured into a new sustainable initiative called “Little Green Ranger”. This endeavour aims to

provide clean energy solutions in the construction, maintenance, and landscaping industries, resulting in reduced operational costs, minimised manpower and repairs, and lower carbon emissions.

The success story of Long Pun Enterprise serves as an inspiring example for other SMEs, demonstrating how sustainable practices can drive both environmental benefits and business growth. The SME Centre Conference was a success as it created a platform to showcase such achievements and encourage the adoption of sustainable strategies across the SME community.

SMF-Standards Development Organisation

The SMF has been appointed by Enterprise Singapore as the Standards Development Organisation (SDO) since 1 April 2011. The SMF-SDO manages four Standards Committees:

Biomedical and Health Standards Committee

- Technical Committee on Biotechnology and Laboratory Testing
- Technical Committee on Complementary Medicine and Health Products
- Technical Committee on Healthcare and Health Informatics
- Technical Committee on Medical Devices and Quality Management Systems

Food Standards Committee

- Technical Committee on Agritech and Agrifood Production
- Technical Committee on Food Products
- Technical Committee on Food Processing, Distribution and Services
- Technical Committee on Food Safety

Manufacturing Standards Committee

- Technical Committee on Additive Manufacturing
- Technical Committee on Aerospace
- Technical Committee on Marine & Offshore
- Technical Committee on Robotics & Automation
- Technical Committee on Smart Manufacturing

Quality and Safety Standards Committee

- Technical Committee on Conformity Assessment
- Technical Committee on Enabling Processes
- Technical Committee on Quality and Core Business Processes
- Technical Committee on Personal Safety & Health
- Technical Committee on Safety and Health Involving Equipment
- Technical Committee on Workplace Safety & Health

The SMF-SDO oversees the development of over 360 national standards under the four Standards Committee, manages 19 Technical Committees, 2 Pro Term Committees and 87 Working Groups. For this Financial Year, SMF-SDO completed 56 standards and organised 18 standards related activities and events including launches and standards workshops.

SMF-SDO STEERING COMMITTEE

The SMF-SDO Steering Committee meets biannually to review the work plan of the four Standards Committee and key performance indicators to provide guidance and strategic inputs.

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

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Chairman, Food & Beverage Industry Group, SMF

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

Mr Mohan Kumar
Chairman, Life Sciences Industry Group, SMF

Mr David Chia
Chairman, Smart Automation Industry Group, SMF

Ms May Yap
Chairman, Packaging Council of Singapore

Mr Vincent Wong
Chairman, Technological and Transformation Function Committee

Mr Ng Tian Beng
Chairman, Health,Safety, Security and Environment Function Committee

Mr Sze Thiam Siong
Chairman of the Testing,
Inspection and Certification
Interest Group, EEAI Industry
Group, SMF

SMF Representative

Mr Tay Lian Chew
Assistant Secretary General, SMF

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Representatives**

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Standards Committee

Dr Allan Lim
Chairman, Food Standards
Committee

Dr John Yong Ming Shyan
Chairman, Manufacturing
Standards Committee

Ms Jaime Lim
Chairman, Quality and Safety
Standards Committee

**Enterprise Singapore
Representatives**

Mr Cheong Tak Leong
Director, Standards (Services)

Mr Khor Aik Lam
Director, Standards (Manufacturing)

TR 93 Data exchange between robots, lifts and automated doorways to enable autonomous operations

Technical Reference (TR) 93 Data exchange between robots, lifts and automated doorways to enable autonomous operations – was launched at the Cross-Industry Collaborations to Advance Innovations and the Integration of Robotics in Buildings event by DPM Mr Heng Swee Keat on 28 May 2022.

The types of lifts and automated doorways that building owners could integrate with the different functional robots may vary. Building owners can take reference from TR 93 and work with system integrators and/or industry partners to ensure that a common architecture and data exchange requirements are put in place for scaling of automation and robotics deployment.

Launch of SS IEC 31010 Risk Management – Risk assessment techniques and Promotion of SS ISO 31000 Risk management

Held on 22 November 2022 in partnership with Temasek Polytechnic, Risk and Insurance Management Association of Singapore (RIMAS) and

RIMS, the risk management society®, the workshop saw over 380 participants from the industry and students come together to hear from industry expert on managing risk in times of uncertainty covering a range of topics from strengthening organisational risk management competency to evaluating climate risks and resilience.

Technical Reference (TR) 108 Safe deployment of robot systems in the healthcare sector

Technical Reference (TR) 108 Safe deployment of robot systems in the healthcare sector – was launched at the NRP6 Festival on 10 February 2023. The TR is a national standard developed by a joint public-private Working Group led by Changi General Hospital’s (CGH) Centre for Healthcare Assistive and Robotics Technologies (CHART) and comprised a wide range of industry stakeholders including institutes of higher learning, professional institutions, hospitals, and government agencies. The standard provides guidelines for the deployment of robot systems in the healthcare sector and specifies a safety evaluation framework and the risk assessment requirement for the safe and sustainable deployment of robot systems in dynamic healthcare environments.

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Committee Member

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Holdings Pte Ltd

Ms Margareta Laminto
Fullerton Health Pte Ltd

Mr Tan Boon Chong
GP Batteries International Ltd

Mr Ryan Yap
YCH Group Pte Ltd

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Yusarn Audrey LLC

Mr Melvin Tan
Cyclelect Holdings Pte Ltd

Mr Neo Sing Hwee
Ernst & Young

Mr Khor Boon Hong
Baker Tilly Consultancy
(Singapore) Pte Ltd

Ms Pong Siew Inn
PKF-CAP LLP

Mr Simon Ng
RHB Asset Management Pte Ltd

Senior Advisor
Mr Sam Sim

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Cyclelect Holdings Pte Ltd

Committee Member

Mr Ryan Chioh, BBM
FarEastFlora.com Pte Ltd

Ms Audrey Yap
Yusarn Audrey LLC

Ms Margareta Laminto
Fullerton Health Pte Ltd

Mr Dharendra Shantila
Learning Initiative Asia Pte Ltd



Minister Tan See Leng (fourth from left) launched the TR 108 at the NRP 6th Anniversary Festival. Minister of State for Trade and Industry & Culture, Community and Youth Mr Alvin Tan (third from left) was also present at the launch. (Photo Credit: CHART)

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Deputy Chairman Mr Andrew Lim Group Enterprise Singtel	
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India, Africa, Middle East and Central Asia Regional Business Group Co-Regional Head Mr Mohan Kumar Strides Pharma Global Pte Ltd
Mr Desmond Tay GUUD Pte Ltd

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		Mr Lee Kim Leng HP Singapore (Pte) Ltd

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Deputy Chairman Ms Vivian Chua HP Singapore (Pte) Ltd	Mr Chan Hai Kiang Flexspeed Technology Pte Ltd	Mr Anton Ravindran Global ICT Training & Certification Pte Ltd
Committee Member Ms Audrey Yap Yusarn Audrey LLC	Mr Andrew Lim Group Enterprise Singtel	Mr Lee Theam Wah Opex Consulting Group LLP
	Mr Ryan Yap YCH Group Pte Ltd	Mr Vincent Lau Pylon City Pte Ltd

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Deputy Chairman Mr Wayne Sim Sing Chye Heng Investment Holdings Pte Ltd	Mr Kimming Yap Creativeans Pte Ltd	Mr Tan Cheng Guan Sembcorp Industries Ltd
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	

PUBLIC RELATIONS & CORPORATE COMMUNICATIONS FUNCTION COMMITTEE

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Committee Member Mr Henry Tan JP (Rtd), PBM Alpha-Health (Asia) Pte Ltd	Mr Peter Isaac Chan IPS Group Pte Ltd	Mr Jarius Draslaric Draslaric Group

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



**SINGAPORE
MANUFACTURING
FEDERATION**
新加坡制造商总会
SINCE 1932

2985 Jalan Bukit Merah Singapore 159457
Tel: (65) 6926 3000 Fax: (65) 6826 3008
contact@smfederation.org.sg
www.smfederation.org.sg