



EYE ON THE FUTURE

ANNUAL REPORT 2023/24



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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 MEMBERS OF THE SINGAPORE MANUFACTURING FEDERATION,

As we gather to reflect on the past year and look ahead to the challenges and opportunities of 2024, it is evident that the global economic landscape remains in a state of flux. The lingering effects of the COVID-19 pandemic, coupled with escalating geopolitical tensions such as the Russia-Ukraine war, the Red Sea conflict, high-interest rates in advanced economies, China's property market downturn, and ongoing global supply chain recalibrations, have created a complex and uncertain environment for manufacturers in Singapore and around the world.

In 2023, we witnessed a global economic slowdown, marked by rising inflation, tightening monetary policies, and a decline in consumer demand. These existing challenges were further compounded by geopolitical issues, contributing to energy shortages, soaring commodity prices, and heightened uncertainty.

Naturally, as Singapore is an open and export-oriented economy, global headwinds will inevitably continue to have an effect closer to home. Singapore continues to see the impact of sustained inflation, with core inflation increasing from 4.1% in 2022 to 4.2% in 2023. However, there have been signs of improvement, with headline inflation easing slightly to 4.8% in 2023, compared to 6.1% in 2022.

Despite these challenges, I believe we have every reason to be optimistic. Singapore's economy remains fundamentally strong and resilient, and the manufacturing sector continues to demonstrate robust growth and innovation. Encouragingly, manufacturing output increased by 2.9% year-on-year in May 2024, driven by strong performances from the Electronics, Chemicals, and Transport Engineering sectors. Business sentiment in the manufacturing sector is also positive, with 25% of Singaporean manufacturers expecting business conditions to improve in the April-September period, compared to only 3% expecting conditions to deteriorate.

I am excited by the strides we have made in bringing Sustainability to the forefront of the manufacturing sector's agenda. We have refined our portfolio of sustainability services into three main categories: advisory services, academy initiatives, and sustainability-related recognition for businesses.



PRESIDENT'S MESSAGE

Early this year, we launched our Chief Sustainability Officer-as-a-Service (CSOaaS) programme, a game-changing initiative designed to empower SMEs with the tools, expertise, and guidance necessary to integrate sustainable practices into their operations. By engaging with CSOaaS, SMEs can enhance their business resilience, open doors to green loans and grants, and increase their competitiveness in the global market, aligning with the broader national goal of achieving net-zero emissions by 2050.

We also rolled out our academy initiatives with courses ranging from foundational to management-level, aimed at leveling up the sustainability readiness of our manufacturing sector. These courses prepare our industry to meet upcoming regulatory requirements and market demands for environmentally responsible practices.

The formation of the APAC Green Alliance (APAC-GA) Initiative, which was announced during the Manufacturing Day Summit 2024 will play an active role in advocating and promoting the new Green Excellence for Manufacturing (GEM) and Green Excellence for Business (GEB) recognition marks in future-proofing small businesses through capability development, standards development, tools (e.g. carbon accounting, sustainability reporting, etc.), advisory support and forging industry recognition. The objective is to collectively strive towards a net-zero goal and be future ready for Industry 5.0.

APAC-GA will also assess the post-implementation progress of the companies that undergo the CSOaaS programme and confer GEM Mark according to their progress.

Through these new initiatives we are committed to ensuring that our manufacturing sector remains resilient and forward-thinking in the face of evolving sustainability challenges.

Apart from Sustainability, we have continued to emphasize Human Capital development. Through the SMF Centre for Corporate Learning (CCL), we have introduced key programs aimed at upskilling and reskilling our workforce to meet future demands.

The Singapore 2024 Budget has introduced several initiatives to enhance workforce talent. The government has significantly enhanced the SkillsFuture programme with the introduction of the SkillsFuture Level-Up Programme, providing a \$4,000 credit top-up for all Singaporeans aged 40 and above. This credit is specifically targeted at selected training programmes that offer better employability outcomes. The SMF-CCL is collaborating with SkillsFuture Singapore to deliver these high-quality programmes at affordable and subsidized rates for our members, ensuring they receive top-tier training that aligns with industry needs and sustainability goals.

Additionally, mid-career workers will benefit from subsidies for full-time diploma courses and a monthly training allowance to support their professional development. These measures ensure that our workforce, including the manufacturing sector, remains competitive, adaptable, and equipped with the skills needed to drive sustainability and innovation.

As we continue to champion human capital within our borders, we also recognize the importance of extending our efforts beyond the local context. Internationalisation remains a key focus for us, and the event that best exemplifies this was our Manufacturing Day Summit in January 2024.

The Manufacturing Day Summit attracted over 1,000 dignitaries and guests, and it was during this event that we signed the APAC Green Alliance (APAC-GA), further solidifying our commitment to sustainability and international collaboration. This summit also saw the launch of our Workforce Upskilling Playbook, in partnership with the Advanced Manufacturing Training Academy (AMTA) and SkillsFuture Singapore, a key resource for companies seeking to elevate their human capital.

By championing sustainability and human capital development, the SMF is not only helping its members reduce their environmental impact but also positioning them for long-term success in an increasingly eco-conscious and competitive global market.

These areas—Sustainability, Human Capital, Internationalization, and Productivity—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. As we continue this journey, I am confident that our collective efforts will drive the Singapore manufacturing sector to new heights.

Thank you for your unwavering support, and I look forward to continuing our work together in the year ahead.

Lennon Tan
SMF President

YEAR IN A GLANCE

APRIL 2023

APRIL 4

Future of Manufacturing Series Workshop

SMF's SiPi and Microsoft Singapore held a workshop at Nanyang Polytechnic's C4AI Centre. Part of the Future of Manufacturing series, the session focused on transforming supply chains into data-driven, intelligent enterprises, improving predictability, control, and resource optimization through smarter inventory management.

MAY 2023

MAY 8-12

Business Mission Trip to Düsseldorf, Germany

SMF's Packaging Council of Singapore Industry Group visited Düsseldorf, Germany on business mission trip in conjunction with Interpack 2023. Participants networked with international organizations like WPO and Packaging Valley, and visited KHS Group to explore automation and sustainability innovations. This delayed edition, due to COVID-19, made the event even more significant.

MAY 29

Appointments of SMF's new Chief Executive Officer (CEO) and Chief Sustainability Officer (CSO)/Assistant Chief Executive (ACE)

SMF announced the appointments of Mr. Dennis Mark as CEO from June 15, 2023, and Mr. Clement Teo as its first-ever CSO and ACE from June 5, 2023. These appointments highlight SMF's commitment to Sustainability, Human Capital, Innovation, and Productivity (S.H.I.P) to achieve the Singapore Manufacturing 2030 Vision.

JUNE 2023

JUNE 30

Singapore Armed Forces (SAF) Day Combined Rededication Ceremony (East Zone) 2023

SMF organised the SAF Day Combined Rededication Ceremony (East Zone) 2023 for the 11th year, marking the inaugural participation of the Digital and Intelligence Service (DIS). SMF President Lennon Tan and BG Yi-Jin Lee from DIS welcomed Mr. Ong Ye Kung, Minister for Health, as the Guest of Honour and Officiating Minister.

JULY 2023

JULY 7

MOU Signing with Viet Nam Singapore Industrial Park JV Co Ltd (VSIP)

SMF and VSIP signed a strategic MOU at the SRBF in Hanoi. Witnessed by Vietnamese Deputy Prime Minister Le Minh Khai and Singapore's Second Minister for Trade and Industry Dr. Tan See Leng, the agreement, represented by SMF CEO Dennis Mark and VSIP CFO Sean Lim, aims to leverage SMF's 5,000+ members to boost Singaporean manufacturing investments in Vietnam.

JULY 15

MOU Signing with Shantou Electronic Information and Software Industry Association (STESA)

SMF signed an MOU with the STESA at the China (Shantou) - Singapore Economic and Trade Cooperation Conference. The agreement, signed by CEO Dennis Mark and STESA VP Ma Xue Pei, aims to support members in human capital, internationalisation, and productivity, aligning with SMF's S.H.I.P. focus areas.

JULY 27

Dialogue Session on Workplace Safety and Health (WSH) with Ministry of Manpower (MOM) and Workplace Safety and Health Council (WSHC)

SMF co-organised a Workplace Safety and Health Dialogue with MOM and WSHC. The event, attended by key figures including SMF President Lennon Tan and WSHC Commissioner Silas Sng, focused on SAFE measures to enhance workplace safety. Presentations and a Q&A session provided detailed insights to participants from various manufacturing and chemical industry groups.

JULY 29

2023 China Greater Bay Area-ASEAN Economic Cooperation (Qianhai) Forum

SMF President Lennon Tan, along with EXCO members Ryan Chioh and Wayne Sim, attended the 2023 China Greater Bay Area-ASEAN Economic Cooperation Forum in Shenzhen. Mr. Tan participated in a roundtable discussion with leaders from the China Greater Bay Area and ASEAN, focusing on Singapore's manufacturing landscape and potential collaboration areas.

AUGUST 2023

AUGUST 16

MOU Signing with the China Chamber of Commerce for Import and Export of Machinery and Electronic Products (CCCME)

SMF signed an MOU with China's CCCME, a trade association with over 8,000 members in machinery and electronics. Signed by SMF Deputy President Ryan Chioh and CCCME Executive VP Zheng Chao, the MOU aims to boost trade and investment between China and Singapore, and facilitate business matching between members.

AUGUST 17

MOU Signing with Beijing Economic and Technological Development Area Singapore Pte Ltd (BETDAS)

SMF signed an MOU with member Beijing Economic and Technological Development Area Singapore Pte Ltd (BETDAS) to enhance trade and investment between Singapore and China in manufacturing. Signed by SMF President Lennon Tan and BETDAS Director Qiu Ming, the MOU aims to support SMF members' expansion into the Chinese market.

SEPTEMBER 2023

SEPTEMBER 22

Annual General Meeting 2023

SMF held its AGM at the SMF building. President Lennon Tan and CEO Dennis Mark updated members on activities and future plans. The meeting featured Board of Governors George Huang and Robert Chua. Most resolutions were passed unanimously, with highlights including sustainability programs shared by CSO Clement Teo.

OCTOBER 2023

OCTOBER 3

CSO's Appointment as Founding Fellow of the Alliance for Sustainability Innovation (ASI)

CSO Clement Teo was named a Founding Fellow of Nanyang Polytechnic's Alliance for Sustainability Innovation (ASI). This role highlights SMF's commitment to sustainability, facilitating industry collaboration and knowledge-sharing. ASI will help advance climate actions and sustainability practices, with SMF members gaining access to new initiatives and resources.

OCTOBER 12

Vision & Strategy for Future Mobility: Korea and Singapore Seminar

In collaboration with Korea Automobile & Mobility Association (KAMA), SMF co-organised the "Vision & Strategy for Future Mobility" seminar, featuring discussions on sustainable solutions like electric vehicles and hydrogen power. Graced by Korean Ambassador Hoon Choi, the event included presentations from various organizations and a panel discussion moderated by SMF's Vincent Wong, highlighting Korea-Singapore collaboration in future mobility.

OCTOBER 18

MOU Signing with Singapore Polytechnic (SP)

SMF and Singapore Polytechnic signed an MOU at ITAP 2023. SMF President Lennon Tan and SP Deputy Principal Georgina Phua, with witnesses ACE Francis Lee and Dr. Chee Wei Chong, highlighted key areas of collaboration: enhancing sustainability in manufacturing, developing innovative solutions, securing funding for workforce upskilling, and fostering a community for sustainable practices.

OCTOBER 20

MOU Signing with Taiwan Automation Intelligence and Robotics Association (TAIROA)

SMF signed an MOU with TAIRAOA, represented by SMF President Lennon Tan and TAIRAOA's Ren C Luo. Witnessed by Dr. Chen-yuan Tung, Taipei Representative to Singapore, the MOU aims to foster collaboration on smart manufacturing policies, robotics, and automation, and includes joint events, research, and exclusive member benefits.

NOVEMBER 2023

NOVEMBER 1

Panel Discussion - Sustainability in Manufacturing with Institute of Singapore Chartered Accountants (ISCA) and Singapore International Chamber of Commerce (SICC)

SMF, ISCA, and SICC hosted a panel discussion on "Sustainability in Manufacturing," moderated by Mr. Wee Kwang K. Esteemed speakers included Dr. Bicky Bhangu, Mr. Nigel Lee, and SMF CSO Mr. Clement Teo. The event highlighted the importance of collaboration in driving innovation and efficiency in the manufacturing sector.

NOVEMBER 10

Singapore Packaging Star Awards (SPSA) 2023

The SPSA celebrated 21 innovative packaging designs. With 120 guests in attendance, awards were presented by MP Ms. Yeo Wan Ling and SMF President Mr. Lennon Tan. Notable winners included LHT Holdings, DPC Design Packaging, and Avery Dennison Singapore, with designs focusing on sustainability.

NOVEMBER 16

MOU Signing with Monetary Authority of Singapore's (MAS) Gprnt

SMF became the first TAC to partner with Gprnt, signing an MOU with MAS. CEO Dennis Mark and MAS Chief Fintech Officer Sopnendu Mohanty formalised the deal, witnessed by MAS Deputy MD Sing Chiong Leong. The MOU supports SMF's sustainability efforts, including the 'CSO-as-a-Service' and Gprnt's ESG reporting tools.

NOVEMBER 17

Extraordinary General Meeting 2023

SMF held an EGM to approve amendments to its Constitution, last revised in 2019. President Lennon Tan welcomed both online and in-person members. The proposed changes, aimed at fostering innovation and growth, were approved by a majority.

NOVEMBER 21

MOU Signing with Hyundai Motor Group Innovation Center Singapore (HMGICS)

SMF signed an MOU with HMGICS, with President Lennon Tan as a witness and CEO Dennis Mark representing SMF. The MOU, alongside the Singapore Business Federation, aims to enhance collaboration in automotive manufacturing and advanced mobility. It supports Singapore's role in the EV sector and the ASEAN market, projected to hit US\$3.5 billion by 2028.

NOVEMBER 29

Dialogue Session Titled "In Conversation with Shawn Huang: Opportunities in a Disruptive World" with Member of Parliament Shawn Huang

SMF's Youth Network co-hosted a dialogue with J&J Gen-Now featuring MP Shawn Huang, SMF Youth Network Committee Chairman Eugene Yoo, and Council Member Phyllis Ong. The session, moderated by Jeniece Tiong, focused on entrepreneurship and digitalisation. Phyllis, who was named EY Entrepreneur of the Year, shared insights on management and entrepreneurial mindset.

DECEMBER 2023

DECEMBER 15

MOU Signing with Guangdong Lion Certification Co Ltd (GEM/ GEB Certification)

SMF signed a MOU with Guangdong Lion Certification Co., Ltd. on December 15, 2023, at the Four Seasons Hotel in Guangzhou. This partnership focuses on elevating environmental standards in Guangdong's manufacturing and non-manufacturing sectors through GEM and GEB marks and includes training initiatives for consultants and assessors.

JANUARY 2024

JANUARY 11

Institute of Singapore Chartered Accountants (ISCA) Pre-Budget Roundtable 2024

SMF President Lennon Tan represented SMF at the ISCA Pre-Budget Roundtable. He highlighted the manufacturing sector's state and recommended that the government support SMEs in meeting sustainability-related export criteria, like the EU's carbon border adjustment mechanism, to help them navigate these requirements.

JANUARY 19

Manufacturing Day Summit 2024

SMF organised its inaugural Manufacturing Day Summit, themed "Navigating Global Shifts, Building Resilience, and Driving Tomorrow's Innovation." The summit featured keynote speeches, panel discussions, workshops, networking opportunities, and exhibitions, all aimed at addressing industry trends, fostering innovation, and promoting sustainability in manufacturing.

Launch of SMF's Chief Sustainability Officer-as-a-Service (CSOaaS) Programme

SMF launched the CSOaaS initiative under the APAC Green Alliance program, aimed at helping SMEs integrate sustainable practices into their operations. This initiative supports environmental stewardship and offers SMEs the chance to earn the Green Excellence for Manufacturing (GEM) or Green Excellence for Business (GEB) Mark, awarded based on sustainability maturity levels.

Launch of Advanced Manufacturing Training Academy's (AMTA) "Workforce Upskilling Playbook"

AMTA introduced the "Workforce Upskilling Playbook for the Machining and Molding Industry Sectors 2024," developed in collaboration with SkillsFuture Singapore (SSG). This playbook provides a strategic guide to evolving roles and essential skills, offering recommended training programs to support workforce and business transformation in these sectors.

FEBRUARY 2024

FEBRUARY 2

MOU Signing with The China Council for the Promotion of International Trade (CCPIT)

At the Singapore-China Economic Partnership Conference, SMF and CCPIT's Commercial and Legal Service Center signed an MOU to enhance Singapore-China relations, emphasising intellectual property protection and dispute resolution. Ms. Low Yen Ling, Minister of State for Trade and Industry, graced the ceremony.

FEBRUARY 20

MOU Signing with the Hungarian Chamber of Commerce and Industry (HCCI)

SMF and HCCI signed a significant MOU, enhancing trade, investment, innovation, and technology ties between Singapore and Hungary. This partnership will leverage SMF's network of over 5,000 members to expand international connections and benefit businesses in both countries.

MARCH 2024

MARCH 19

MOU Signing with the China Chamber of Commerce for Import and Export of Machinery and Electronic Products (CCCME) on Green Development Cooperation

At the Conference on International Industrial Cooperation in Singapore, the SMF signed MOU with CCCME. The MOU, signed by SMF Deputy President Ryan Chioh and CCCME President Mr. Zheng Chao, focuses on advancing green development and digital transformation in the manufacturing sector.

KEY FIGURES AND STATISTICS



HOME REGIONS OF VISITING DIGNITARIES

12 AMBASSADORS, MINISTERS AND OTHER VIPS RECEIVED

76 DELEGATES

8 DELEGATIONS

ABOUT **6,766** ONE-ON-ONE BUSINESS ADVISORIES CONDUCTED WITH SMES

ABOUT **21** SINGAPORE STANDARDS DEVELOPED



AWARDS RECEIVED BY THE SMF:

BizSAFE Partners NSMark Gold Cyber Trust Mark

MEMBERSHIP PROFILE

SMEs and MNCs

MNCs
11%

SMEs
89%

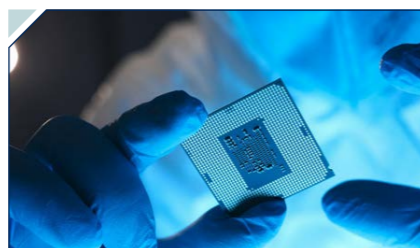
SMF'S INDUSTRY GROUPS



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)

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

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, Cyclect 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 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 ALESSANDRO PERROTTA

Vice President
Chairman, Membership & Industry Groups Function Committee
Chairman, Global Business Groups Function Committee
Chief Executive Officer, ResurgeTech Advisors



Mr VINCENT WONG

Chairman, Technology & Transformation Function Committee
Director, Research & Advanced Engineering Singapore, Continental Automotive Singapore 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 **CHEONG CHUNG KIN**
Chairman, Food & Beverage
Industry Group
Chief Executive Officer,
Win Sin 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 **NEO SING HWEE**
Council Member
Partner | Global Client Service Partner,
Temasek & Government & Public Service,
Ernst & Young



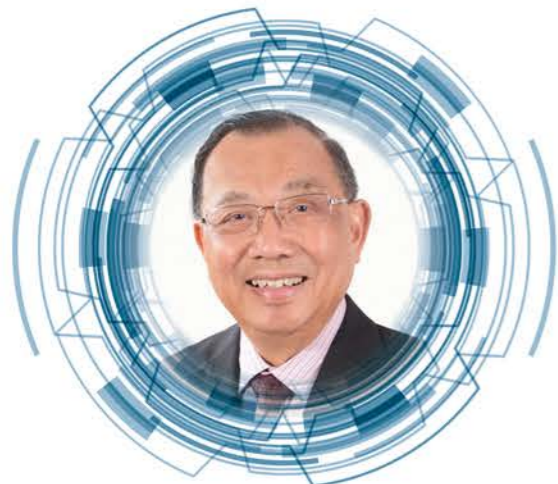
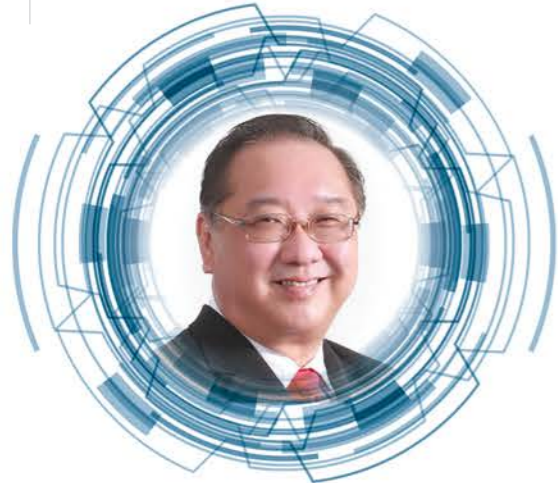
MR **ANTHONY TAN**
Council Member
Head Merger & Acquisition, Asia Pacific,
Middle East & Africa Region
KONE Pte Ltd



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

The SMF thanks Mr Tan Cheng Guan of Sembcorp Power Pte Ltd for his service over the years. (Resigned as of March 2024).

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.

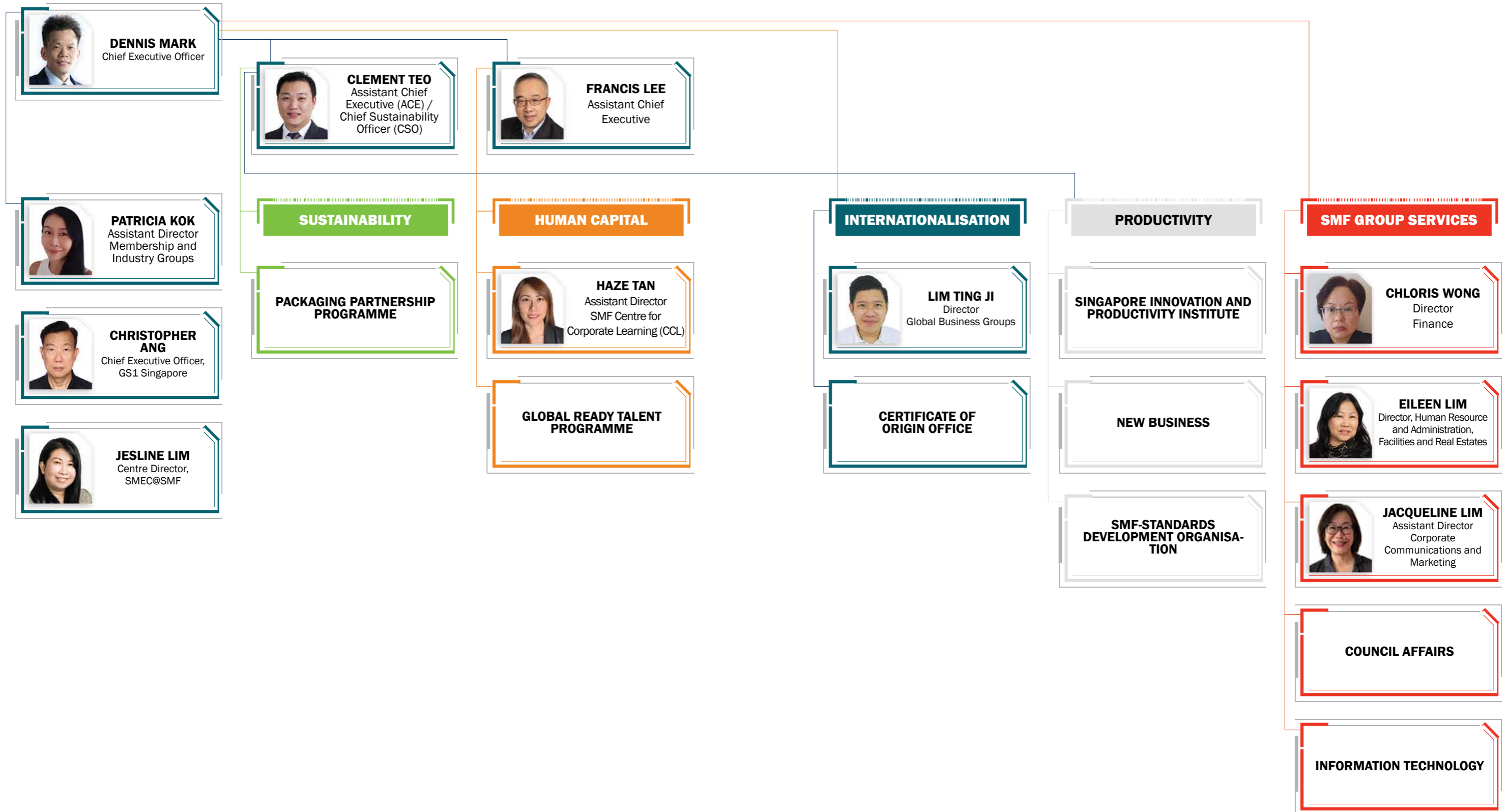
The BOG is to consist of at least three but not more than seven persons. Governors must be Past Presidents, Past Deputy Presidents of the SMF, or, Eminent Persons appointed by the Board. The term of office of the BOG shall end six months after the conclusion of the Annual General Meeting of an election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

SMF CORPORATE STRUCTURE



THE SMF SECRETARIAT



COUNCIL MEMBERS SERVING ON GOVERNMENT STATUTORY BOARDS AND ORGANISATIONS*

MR LENNON TAN

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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
- Vice President, The Confederation of Asia-Pacific Chambers of Commerce and Industry (CACCI)
- Council Member, Singapore Business Federation (SBF)

MR MELVIN TAN

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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

MR RYAN CHIOH, BBM

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

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

MS AUDREY YAP

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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

COUNCIL MEMBERS SERVING ON GOVERNMENT STATUTORY BOARDS AND ORGANISATIONS*

MR ALESSANDRO PERROTTA

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

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

MR STEPHEN HO KIAM KONG

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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, PBM

POSITIONS IN SMF

Chairman, Ethics & Corporate Governance Management Committee
 Chairman, Medical Technology Industry Group
 Group Managing Director, Alpha-Health (Asia) Pte Ltd

POSITIONS OUTSIDE OF SMF

- Patron, Cheng San CC Management Committee

MR HENRY TAN, JP, PBM

POSITIONS IN SMF

Chairman, Technology & Transformation Function Committee
 Director, SMF Singapore Innovation & Productivity Institute (SIPI) Pte Ltd
 Director, Research & Advanced Engineering Singapore, Continental Automotive Singapore Pte Ltd

POSITIONS OUTSIDE OF SMF

- Academic Advisory Committee, Electronics & Info-Comm Technology, Institute of Technical Education
- Member of Automotive Technical Committee, The Institution of Engineers, SingaporeStandards Development Organisation (IES-SDO)

MR DOUGLAS FOO

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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

* This is a non-exhaustive listing

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COUNCIL MEMBERS SERVING ON GOVERNMENT STATUTORY BOARDS AND ORGANISATIONS*

MR TAN BOON CHONG

POSITIONS IN SMF

Chairman, Electrical, Electronics and Allied Industries Industry Group
Director, GS1 Singapore
Director – Compliance and Standards, GP Batteries International Ltd

POSITIONS OUTSIDE OF SMF

- 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

POSITIONS IN SMF

Chairman, Food & Beverage Industry Group
Chief Executive Officer, Win Sin Pte Ltd

POSITIONS OUTSIDE OF SMF

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

MR KIMMING YAP

POSITIONS IN SMF

Chairman, Lifestyle Industry Group
Managing Director, Creativeans Pte Ltd

POSITIONS OUTSIDE OF SMF

- Executive Committee Member, Design Business Chamber Singapore
- Distinguished Professor, Shanghai Academy of Fine Arts

COUNCIL MEMBERS SERVING ON GOVERNMENT STATUTORY BOARDS AND ORGANISATIONS*

MR MOHAN KUMAR

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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

MS MAY YAP

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

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

MR DAVID CHIA

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

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

MS PHYLLIS ONG

POSITIONS IN SMF

Director, SMF Singapore Innovation & Productivity Institute (SIPI) Pte Ltd
Group Chief Executive Officer and Executive Board Director, Armstrong Industrial Corporation Limited

POSITIONS OUTSIDE OF SMF

- EXCO member, Enterprise 50 Association
- ESG Board Member, Enterprise Singapore – FY2022-2023

* This is a non-exhaustive listing

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COUNCIL MEMBERS SERVING ON GOVERNMENT STATUTORY BOARDS AND ORGANISATIONS*

MR NEO SING HWEE

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

- 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

MR ANDREW LIM

POSITIONS IN SMF

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

POSITIONS OUTSIDE OF SMF

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

MR DESMOND TAY

POSITIONS IN SMF

Director, SMF Centre for Corporate Learning Pte Ltd
Chief Executive Officer, GUUD Pte Ltd

POSITIONS OUTSIDE OF SMF

- 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

POSITIONS IN SMF

Council Member
Founder and Group CEO
RSTN Consulting Pte Ltd

POSITIONS OUTSIDE OF SMF

- 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)



KEY HIGHLIGHTS OF THE YEAR

* This is a non-exhaustive listing

APPOINTMENTS OF SMF'S NEW CHIEF EXECUTIVE OFFICER (CEO) AND FIRST CHIEF SUSTAINABILITY OFFICER (CSO)/ASSISTANT CHIEF EXECUTIVE (ACE)



SMF announced the appointments of Mr. Dennis Mark as Chief Executive Officer (CEO), effective June 15th, 2023, and Mr. Clement Teo as the Federation's first Chief Sustainability Officer (CSO) and Assistant Chief Executive (ACE), starting June 5th, 2023.

Dennis brings over 20 years of experience in the manufacturing sector, including roles at Hewlett Packard (HP), and is known for his community service with the Singapore Red Cross. Clement, a pioneer in the Sustainability realm with a notable 20-year career at TÜV SÜD, aimed to enhance SMF's sustainability efforts.



SMF President, Mr Lennon Tan said, "Their appointments will bring a new focus on new ideas to bring new benefits to SMF members. The appointment of SMF's first Chief Sustainability Officer will also add expertise to the SMF in an area which manufacturers large and small will require to remain competitive in the global arena.

With their strong commitment to building collaborative relationships coupled with their wide-ranging and deep experience with the manufacturing sector, the SMF Council is confident that with them at the helm of the SMF Secretariat, the SMF S.H.I.P. will gather greater momentum in achieving the Singapore Manufacturing 2030 Vision shared by the Singapore Government.

INAUGURAL SMF MANUFACTURING DAY SUMMIT 2024

SMF proudly hosted its inaugural Manufacturing Day Summit 2024, a landmark event that gathered key industry leaders, innovators, and experts to explore the transformative potential of Industry 5.0. Held on January 19th, 2024, the summit marked a significant milestone in our ongoing commitment to advancing the manufacturing sector and enhancing its contribution to Singapore's economic growth. We were honoured to have Minister of State for the Ministry of Trade and Industry & for Culture, Community and Youth Mr. Alvin Tan as the Guest of Honour.



The summit's theme, "**Navigating Global Shifts, Building Resilience, and Driving Tomorrow's Innovation**", served as a guiding principle for the event. It emphasised the need for forward-thinking approaches and the exploration of cutting-edge advancements that are shaping the industry. This theme resonated throughout the day's sessions, highlighting the importance of adapting to and leading in an era of rapid technological evolution.

Launch of SMF's Chief Sustainability Officer-as-a-Service (CSOaaS) Programme

Launched at SMF's inaugural Manufacturing Day Summit 2024, SMF proudly introduced the Chief Sustainability Officer-as-a-Service (CSOaaS) Programme, a groundbreaking initiative designed to elevate sustainability practices across the manufacturing sector. The programme will help manufacturers assess their sustainability position, prioritise improvements with the most significant impact, develop an actionable roadmap and submit data, including greenhouse gas emissions (GHG Scope 1 and 2) to Gprnt.ai, an integrated environmental, social and governance (ESG) data platform launched by the Monetary Authority of Singapore (MAS) to generate internationally-compliant reports.



INAUGURAL SMF MANUFACTURING DAY SUMMIT 2024

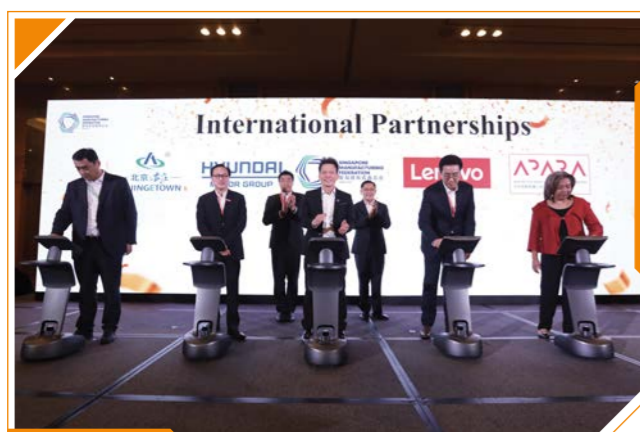
Launch of the “Workforce Upskilling Playbook” by SMF’s Advanced Manufacturing Training Academy (AMTA)



This playbook, the first of its kind, is tailored for the machining and moulding sectors. Developed by AMTA, with contributions from SkillsFuture Singapore (SSG), Enterprise Singapore (ESG), Agency for Science, Technology and Research (A*STAR), and industry associations, it offers a comprehensive guide for upskilling employees in the precision engineering sector. The playbook outlines six key roles, from operators to engineers, and details essential skills and competencies needed, including automation technologies, data analytics, and AI applications.

Click [here](#) to read more on the Playbook.

Memorandum of Understanding (MOU) Signings



A total of 7 MOUs were signed based on 3 key pillars of SMF’s S.H.I.P strategy - Sustainability, Human Capital and Internationalisation.

- Sustainability** - MOU between SMF, Confederation of Asia-Pacific Chambers of Commerce & Industry (CACCI), Institute of Singapore Chartered Accounts (ISCA), Agency for Science, Technology and Research (A*STAR), Singapore Business Federation (SBF), and the China Council for Promotion of International Trade (CCPIT) on the Asia-Pacific Green Alliance (APAC-GA) initiative.
- Human Capital** - MOU between SMF and Singapore Human Resource Institute (SHRI).
- Human Capital** - MOU between SMF and Nanyang Polytechnic (NYP).
- International Partnerships** - MOU between SMF and Asia Pacific Assistive Robotics Association (APARA).
- International Partnerships** - MOU between SMF and Beijing Economic and Technological Development Area Singapore Pte Ltd (BETDAS).
- International Partnerships** - MOU between SMF and Hyundai Motor Group Innovation Centre in Singapore Pte Ltd (HMGICS).
- International Partnerships** - MOU between SMF and Lenovo.

GOVERNMENT-INDUSTRY INITIATIVES - DIALOGUE SESSIONS WITH MINISTRIES FOR SMF MEMBERS

SMF organises dialogue sessions with relevant government bodies to facilitate communication, update members on new policies, promote best practices, foster industry collaboration, and support sector development. These initiatives ensure that the manufacturing industry stays informed, compliant, and aligned with national strategies, ultimately enhancing its growth and competitiveness.

Dialogue Session on Workplace Safety and Health (WSH) with the Ministry of Manpower (MOM) and the Workplace Safety and Health Council (WSHC)



On July 27th, 2023, SMF co-organized a Workplace Safety and Health Dialogue session with the Ministry of Manpower (MOM) and the Workplace Safety and Health Council (WSHC).

CEO Dennis Mark moderated the event, which included a panel session with panelists Mr. Silas Sng, Commissioner for Workplace Safety and Health, Mr. Christopher Koh, WSHC General Manager, and Mr. Seet Choh San, Chairperson of the Singapore Standards Technical Committee for Workplace Safety and Health.

During the session, Mr. Sng and Mr. Koh provided insights on safety enhancements for members in the manufacturing and chemicals industries. The dialogue, attended both in-person and online, facilitated discussions on safety measures and improvements.

Dialogue Session Titled “In Conversation with Shawn Huang: Opportunities in a Disruptive World” with Member of Parliament (MP) Shawn Huang



On November 29th, 2023, the SMF Youth Network co-organised a dialogue session with J&J Gen-Now titled “**In Conversation with Shawn Huang: Opportunities in a Disruptive World.**” Featuring Member of Parliament (MP) Shawn Wei Zhong Huang, SMF Youth Network Chairman Eugene Yoo, SMF Council Member Phyllis Ong, and moderated by Jeniece Tiong, the event explored topics like entrepreneurship and digitalisation. Phyllis Ong, recently named EY Entrepreneur of the Year, shared her insights on management and the entrepreneurial mindset.

GOVERNMENT-INDUSTRY INITIATIVES - DIALOGUE SESSIONS WITH MINISTRIES FOR SMF MEMBERS

Budget 2024 Dialogue Session with Minister of State for the Ministry of Trade & Industry (MTI) Mr. Alvin Tan



The SMF Budget 2024 Dialogue Session, which took place on April 9th, 2024, was a significant event featuring Minister of State Alvin Tan, who provided valuable insights on advancing innovation and sustainability. Attended by over 100 industry professionals, the session focused on sustainability, with discussions on how the government can support SMEs through frameworks for sustainability reporting. The event also addressed challenges in manpower and business internationalisation, setting the stage for future strategies and collaborations to ensure industry resilience and adaptability.



SMF'S FOUR CORE PILLARS - S.H.I.P

S USTAINABILITY

To help our members accelerate their sustainability journey

- Packaging Partnership Programme (PPP)
- SMF Sustainability Taskforce
- Sustainability courses from the SMF Centre for Corporate Learning (SMF CCL)
- Sustainability survey
- Chief Sustainability Officer-as-a-Service



H UMAN CAPITAL

To uplift attractiveness of the manufacturing sector

- Global Ready Talent Programme
- Career Conversion Programmes by SMF CCL
- Courses to upskill employees in AI, cybersecurity, PDPA, and more.



I NTERNATIONALISATION

To strengthen companies' preparedness and value proposition

- Local and Overseas trade fairs
- Business missions. Area of Interest: Brunei, Johor, Cambodia, Vietnam, Hungary, Rwanda, Poland.
- Informative seminars on investing in overseas markets



P RODUCTIVITY

To proliferate innovation and the management of intellectual property assets

- Collaborate with the United Nations' World Intellectual Property Organization (WIPO) to provide IP toolkits to members



GOING GREEN WITH SMF SUSTAINABILITY-RELATED EFFORTS

Formation of the Asia-Pacific Green Alliance (APAC-GA)



Launched at the Manufacturing Day Summit 2024, alongside the Confederation of Asia Pacific Chambers of Commerce and Industry (CACCI), Singapore Business Federation (SBF), Institute of Singapore Chartered Accountants (ISCA), and the China Council for Promotion of International Trade (CCPIT), this initiative represents a proactive solution to the fragmented sustainability landscape we face.

This initiative aims to assist SMEs by identifying sustainability gaps, prioritising impactful improvements, and providing a clear roadmap towards decarbonisation. APAC-GA will assess the progress of companies via the Chief Sustainability Officer-as-a-Service (CSOaaS) Programme and confer a Green Excellence for Manufacturing Mark accordingly.



Chief Sustainability Officer-as-a-Service (CSOaaS) Programme

The CSOaaS Programme equips SMEs with essential tools and guidance to incorporate sustainable practices into their operations, enhancing their contributions to environmental stewardship and sustainable development through collaborative efforts and shared knowledge. From 2025, listed companies in Singapore must report their carbon footprint, and large non-listed companies will follow in 2027, including the emissions from their SME suppliers. Although non-listed SMEs are not currently required to report their carbon footprint, they risk losing business if they supply to companies that must comply with these regulations. Under the CSOaaS programme, sustainability consultants appointed by SMF will be seconded to companies to develop actionable decarbonisation road maps based on their findings.

Green Excellence in Manufacturing (G.E.M.) and Green Excellence in Businesses (G.E.B.) Recognition Mark



Businesses engaging with CSOaaS can be awarded the Green Excellence in Manufacturing (G.E.M.) recognition mark for manufacturers, or the Green Excellence in Businesses (G.E.B.) recognition mark for non-manufacturers on a three-tiered system (Bronze, Silver, and Gold). These prestigious marks are awarded based on an organization's sustainability maturity level, determined through an independent assessment conducted by competent auditing organizations.

SUSTAINABILITY GOING GREEN WITH SMF

GOING GREEN WITH SMF SUSTAINABILITY-RELATED EFFORTS

MOU Signings to Accelerate Sustainability Efforts

1. MOU with Singapore Polytechnic (SP): Aimed to enhance sustainability in advanced manufacturing. The collaboration will focus on developing innovative solutions, securing funding for workforce upskilling, and fostering a community of manufacturers committed to sustainable practices.



2. MOU with Guangdong Lion Certification Co., Ltd.: This partnership aims to enhance environmental standards through the G.E.M. and G.E.B. recognition marks in Guangdong. It also includes training initiatives to equip consultants and assessors with the skills needed to support and evaluate these sustainability certifications.



3. MOU with China Chamber of Commerce for Import and Export of Machinery and Electronic Products (CCCME): The MOU in Green Development Cooperation took place at the 2024 Conference on International Industrial Cooperation (Singapore). Representing SMF, Deputy President Ryan Chioh, BBM, signed the MOU, while Mr. Zheng Chao signed on behalf of CCCME.



Appointment of CSO Clement as a Founding Fellow of the Alliance for Sustainability Innovation (ASI)



October 3rd, 2023 - SMF CSO Clement Teo was named a Founding Fellow of the Alliance for Sustainability Innovation (ASI) by Nanyang Polytechnic (NYP). This recognition underscores his expertise and leadership in sustainability and reflects SMF's dedication to advancing sustainability within the local manufacturing sector. ASI serves as a dynamic platform for promoting best practices across various sectors in Singapore. In his role, Mr. Teo will help shape ASI's direction, foster collaboration among local companies, and lead knowledge-sharing initiatives through workshops and webinars. He will also guide members in tackling critical sustainability challenges, aiming for substantial climate impact and progress.

GOING GREEN WITH SMF SUSTAINABILITY-RELATED EFFORTS

Panel Discussion Titled "Sustainability in Manufacturing"



In collaboration with the Institute of Singapore Chartered Accountants (ISCA) and the Singapore International Chamber of Commerce (SICC), the panel discussion took place on November 1st, 2023.

The event was moderated by Mr. Wee Kwang K., Director of Nexia Singapore PAC. We were honoured to have a panel of esteemed speakers, including Dr. Bicky Bhangu, President of Rolls-Royce (Southeast Asia, Pacific & South Korea), Mr. Nigel Lee, Country Manager at Lenovo, and our own Chief Sustainability Officer, Mr. Clement Teo.

Members from the three organisations gathered to engage in a meaningful dialogue, posing questions about sustainability and exploring ways in which the manufacturing sector can achieve it. One key takeaway is the vital importance of collaboration and partnership among companies to foster innovation, efficiency, and mutual growth.

Invitations to Speak at External Events

July 27th, 2023 - CSO Clement Teo was invited to be a panelist at the "Go Green SG 2023: How to Transform Manufacturing to Meet Net Zero?" event, co-organised by EuroCham Singapore and Asia Pacific Breweries (Singapore) Pte Ltd on July 27th, 2023. Other panelists included Mr. Lim Tuang Liang, Government Chief Sustainability Officer at the Ministry of Sustainability and the Environment, and Ms. Patricia Lee, Corporate Affairs Director at Asia Pacific Breweries. Mr. Teo discussed the sustainability journey of the manufacturing sector and the latest technologies to advance their progress towards net zero.

August 23rd, 2023 - CSO Clement Teo was invited to be a panelist at the Dell Technologies Forum 2023, where he discussed the integration of technology for sustainable practices in the business world. Representing the manufacturing community, Clement provided attendees with valuable insights into the importance of sustainability for manufacturers and shared key trends and developments in the industry.



GOING GREEN WITH SMF SUSTAINABILITY-RELATED EFFORTS

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 Nestlé Singapore Pte Ltd
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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 (ESG)	Ms Yeo Meow Ling	Director, New Industries
Enterprise Singapore (ESG)	Ms Kelly Wong (Alternate)	Development Partner
National Environment Agency (NEA)	Mr Koh Joon Hong	Director, Sustainability Division
National Environment Agency (NEA)	Ms Catrina Yeo (Alternate)	Deputy Director (Department of Sustainability Programmes), Sustainability Division

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), Singapore Manufacturing Federation (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

GOING GREEN WITH SMF SUSTAINABILITY-RELATED EFFORTS

RESEARCH INSTITUTES

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

CO-OPTED MEMBERS

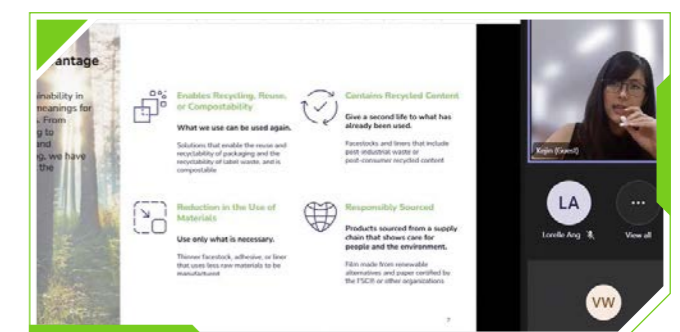
Name
Mr Albert Lim
Mr Ong Lye Huat

About the Packaging Partnership Programme (PPP)

The Packaging Partnership Programme (PPP) was officially launched during the Singapore Packaging Agreement (SPA) Awards on 24 March 2021. For FY23/24, PPP organised a total of 8 events (including webinars, briefings and training classes) and has engaged with more than 600 participants from more than 300 companies.

Webinar - Sustainable Packaging Guidelines and Solutions

On September 20th, 2023, PPP a webinar titled "Sustainable Packaging Guidelines and Solutions," attracting over 130 participants from more than 100 companies. The event featured Mr. Remi Cesaro, who introduced the Technical Reference 109 (TR109:2023) on sustainable packaging and shared implementation strategies. Dr. Thawatchai Maneerung discussed global plastic waste statistics and upcoming local legislation on sustainable packaging. Ms. Zhang Ke Jin highlighted consumer trends and innovations in recyclable packaging. The webinar concluded with a Q&A session on funding, recycling, and plastic bag charges, providing attendees with valuable insights into sustainable packaging practices and opportunities.



HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

SMF CENTRE FOR CORPORATE LEARNING (SMF CCL)

For over five decades, the Singapore Manufacturing Federation (SMF) has been a steadfast advocate of lifelong learning within the Singapore business community. Its commitment to supporting companies and their workforce through skills upgrading and human capital development has been pivotal in navigating industry transformation and technological disruptions. In response to the growing needs of its members and clients, SMF established the SMF Centre for Corporate Learning (SMF CCL) in 2010. SMF CCL continually updates its offerings, which include:

- In-demand training programmes such as Digitalisation, Artificial Intelligence (AI) and Industry 5.0
- Masterclasses in emerging fields like Sustainability and Cybersecurity
- The Career Conversion Programme (CCP) for the manufacturing sector, supported by Workforce Singapore (WSG)
- Training consultancy and needs analysis to identify skills gaps
- Customised skills upgrading and training programmes for companies
- Job matching services in collaboration with relevant agencies and partners

To maintain our Approved Training Organisation (ATO) status with SkillsFuture Singapore (SSG), CCL is required to align its current courses with the new skills framework by 31 Dec 2023. As of the end of March 2024, the SMF CCL has developed courses tailored for the manufacturing sector. These include:

- WSQ Leading the Manufacturing Sustainability
- Quality 4.0 Mindset & Practices Talent Acquisition and Retention
- 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

CCL Board of Directors

Name	Designation	Organisation
Ms Margareta Laminto	Chairman	Fullerton Health Pte Ltd
Mr Fabio Tiviti	Director	Infor South Asia
Mr Desmond Tay	Director	GUUD Pte Ltd
Ms Serene Sia	Director	Autodesk Asia Pte Ltd
Ms Suchitra Narayan	Director	SGInnovate Pte Ltd
Mr Tan Chor Meng	Director	Wiley Education Asia
Mr Peter Isaac Chan	Director	IPS Group Pte Ltd
Mr Eddie Lim	Director	Jil & Yellowtail Pte Ltd
Mr Dennis Mark	Director	Singapore Manufacturing Federation

Government Programmes

Career Conversion Programme for SME Executives

CCL is the programme partner for the Career Conversion Programme for SME Executives from 1 Jan 2023 to 31 Dec 2024, which supports more than 300 positions. There is also an incentive grant of \$2,600 per trainee.

Achievements:

Allocated with 300 placements, CCL has successfully achieved 95% placement with 282 trainees by March 2023. • Within 6 months of receiving the Letter of Offer (LOO), CCL has achieved 60% placement and informed Workforce Singapore (WSG) for additional funding needs.

Impact:

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

CCL is the appointed 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.

HUMAN CAPITAL

EFFORTS TO UPSKILL THE WORKFORCE IN THE MANUFACTURING SECTOR

HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

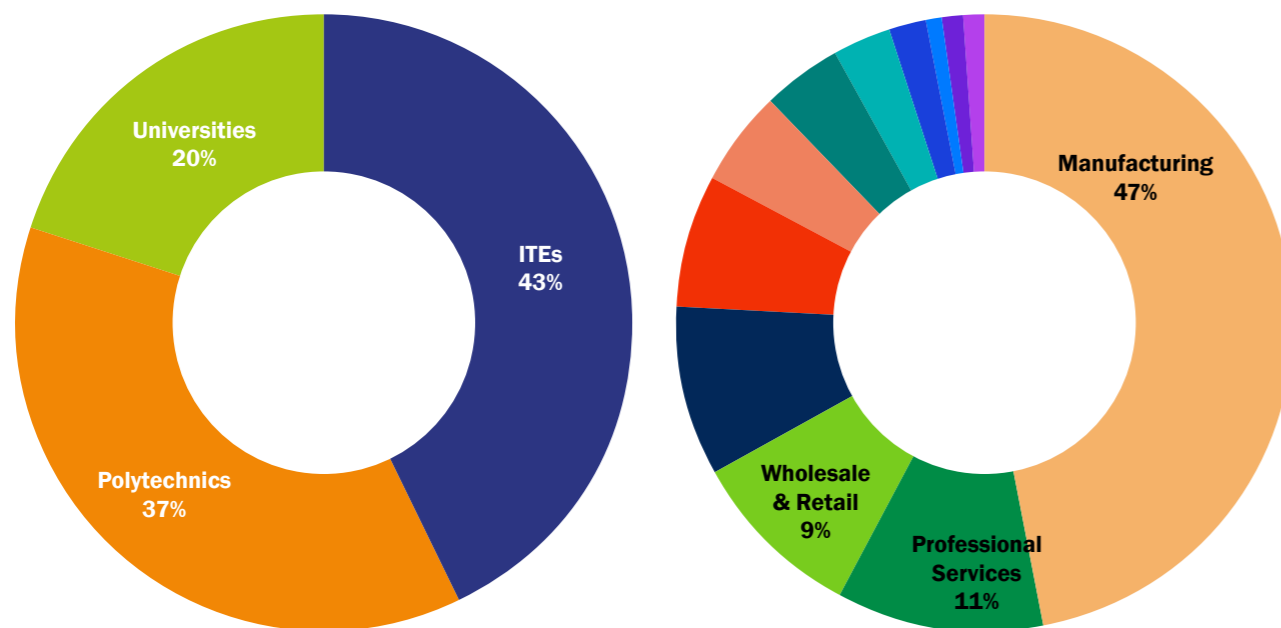
GLOBAL READY TALENT (GRT) PROGRAMME

The SMF is one of Enterprise Singapore's Approved-In-Principle (AIP) partners to promote and manage the Global Ready Talent Programme (GRT). The Programme supports local companies in building their young pipeline by offering local or overseas internship opportunities to Singaporean or Singapore Permanent Resident undergraduate students from eligible local Institutes of Higher Learning (IHLs).

For this Financial Year, we supported 240 companies that placed 991 interns. 94% of the companies are SMEs*.

* <200 staff OR <S\$100m annual revenue

STUDENT DEMOGRAPHICS FROM DIFFERENT IHL LEVELS



- Manufacturing (47%)
- Professional Services (11%)
- Wholesale & Retail (9%)
- Biomedical & Healthcare Services (9%)
- Infocomm & Technology (7%)
- Lifestyle (5%)
- Built Environment & Construction (4%)
- Media (3%)
- F&B Services (2%)
- Education Services (1%)
- Logistics (1%)
- General (1%)

Top three sectors that interns were placed in:

1. Manufacturing - 47%
2. Professional Services - 11%
3. Wholesale & Retail - 9%

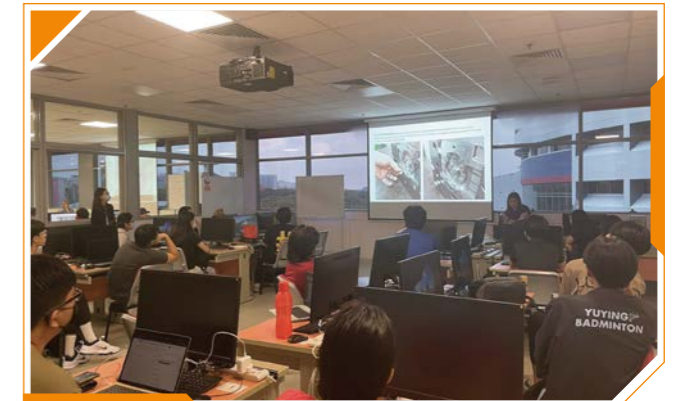
HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

HackAMthoN 2023

HackAMthoN 2023 is a collaboration of the SMF, HP and Nanyang Polytechnic (NYP). Four GRT companies participated by providing real-life industry problems potentially solved by engineering solutions via 3D printing to NYP Year 2 students from the Diploma in Advanced & Digital Manufacturing.

The 4 GRT companies are Aegis Building & Engineering Pte Ltd, Mlion Corporation Pte Ltd, Orient Technology (S) Pte Ltd, and Watson E.P. Industries Pte. Ltd.

Problem Statement Briefing Session



Briefing sessions were conducted at NYP. The company representatives introduced their company and briefed the students on the problem statement.

Videos, in-depth information, and physical demo samples were provided during the briefing session.

HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

Presentation Session by Students



The session took place on Monday, June 12th, 2023, at Nanyang Polytechnic (NYP). Students presented their solutions to the given problem statements before a panel of three judges, including representatives from SMF, HP Inc., and the respective companies that provided the problem statements. The students were evaluated based on four criteria: presentation content, final product design concept, presentation skills, and ability to answer questions. The judges were impressed by the innovative ideas showcased by several groups.

Award Ceremony and HP's 3D Printing Lab Tour



HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

The winning teams were invited to attend the award ceremony on 16 June 2023, Friday, at the HP Singapore office. Each winner was awarded a certificate with a cash prize. The winning teams and representatives from the 4 GRT companies visited HP's 3D printing lab.

The specialist from HP shared in-depth information about additive manufacturing, the latest machines, and 3D printing technology during the lab tour.



In November 2023, the GRT team also arranged an eye-opening site visit for Mechatronics Engineering students from ITE College West to HOPE Technik Pte Ltd. During this visit, the students gained insights into HOPE Technik's advanced industrial designs. They explored the workings of CNC machines, delved into the dynamics of Autonomous Mobile Robots (AMRs), and were amazed by the innovation behind Omnidirectional Weapons Loaders. The visit inspired the students, with many expressing enthusiasm about pursuing internship opportunities.



HackAMthon 2023 was a successful event that fostered the creation of innovative solutions to real-world industry challenges. It also provided a valuable platform for the four participating GRT companies to engage with a pool of passionate engineering students from Nanyang Polytechnic, who could become their future interns or hires.

Student Learning Journey to GRT Companies

The SMF's Global Ready Talent (GRT) team organized a site visit for engineering students from the Singapore Institute of Technology (SIT) to Tunity Technologies Pte Ltd on August 10th, 2023. This visit provided the students with valuable insights into career opportunities for young talents and featured a comprehensive demonstration of the latest RFID technologies. The students learned how these technologies contribute to enhancing productivity across various industries.



These site visits not only broadened the students' understanding of cutting-edge technologies but also ignited their passion for future careers in engineering. SMF's GRT team continues to connect academia with industry, effectively preparing students for the workforce.

HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

ADVANCED MANUFACTURING TRAINING ACADEMY (AMTA)

About AMTA

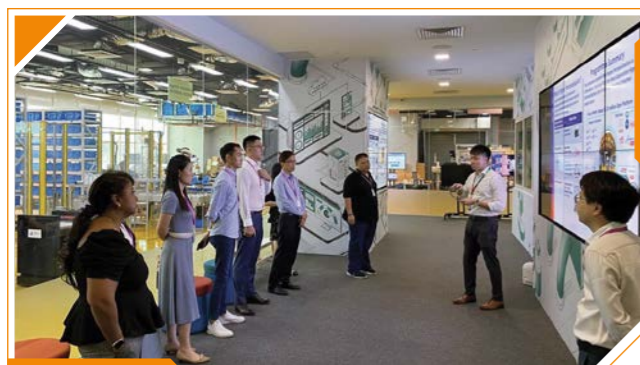
AMTA is a national programme operated by the Singapore Manufacturing Federation (SMF) to provide support to local manufacturing by leading foresight on emerging jobs and skills, charting and coordinating training offerings and facilitating the development of new training programmes to address key skill gaps. AMTA is guided by an advisory board with representatives from government agencies, institutes of higher learning, and industry leaders.

Advisory Board

Name	Designation	Organisation
Mr Bernard Lim	Chairman	Tai Sin Electric Limited
Mr Soh Leng Wan	Director	Enterprise Singapore
Mr Foo Piao Zhou	Director	SkillsFuture Singapore
Mr Lim Tse Yong	Director	Economic Development Board
Dr David Low	Director	A*STAR
Ms Julia Ng	Director	Workforce Singapore
Professor Warren Chan	Director	Nanyang Technological University
Mr Loh Yew Chiong	Director	Singapore Polytechnic
Mr Chan Ewe Jin	Director	The Institute of Engineers
Dr Zeng Xianting	Director	AMTA Programme Office

Events Organised By AMTA

Focus Group Discussion with Industry Leaders



Understanding the challenges faced by companies to enhance their business operations through manufacturing automation and data-driven decision making, AMTA helps in translating these challenges into implementation-oriented training and technology adoption programs by working closely with our partners.

On May 29th and 31st, 2023, AMTA organized a focused group discussion where industry leaders came together to delve into the specific challenges faced by manufacturing companies and identify key focus areas for success in today's competitive marketplace. Topics covered included manufacturing automation, shopfloor and enterprise connectivity, supply chain management, and sustainability transformation.

As part of this initiative, participants had the opportunity to witness cutting-edge technologies in action at the Bosch Rexroth Regional Training Centre (BRRTC) and Advanced Remanufacturing and Technology Centre (ARTC).

HUMAN CAPITAL WORKFORCE UPSKILLING EFFORTS

Masterclass on Digital Twins and Immersive Technologies



As a committed organisation dedicated to facilitating the I4.0 transformation of manufacturing enterprises, AMTA helps companies overcome their business challenges and turn them into opportunities. By working together with our esteemed partners to develop implementation-oriented training and technology adoption programmes, we ensure that your company thrives in the era of industry 4.0.

On June 12th, 2023, AMTA co-organised an enlightening masterclass event on Digital Twin and Immersive Technologies with ST Engineering. We were privileged to have distinguished speakers Dr. Cai from Nanyang Technological University (NTU), Javier Chan from Bosch Rexroth, Woo Pei Jie from NTUC, Jonathan Hia, from ST Engineering Training & Simulation and lastly, Dr. Liu Shiyu from AMTA. They shared their invaluable expertise, practical applications of digital twins and immersive technologies, and shed light on the grants available to support companies in their business transformation journeys.

INTERNATIONALISATION GOING BEYOND BORDERS

Global Business Groups

The SMF's Global Business Groups (GBG) assists members in exploring business opportunities and internationalising their businesses through participation in trade fairs, business missions, meeting with potential partners and organizing of sharing sessions and networking events on investment opportunities in overseas markets. 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.

Sharing Sessions on Business Opportunities in Overseas Markets

June 15th, 2023 – Business Opportunities in Borneo (Webinar)

Together with the Malaysian International Chamber of Commerce & Industry (MICCI) Sabah, SMF organised a webinar to discuss opportunities available in Borneo on June 15th, 2023.

Distinguished speakers from Borneo, particularly Brunei, Sabah and Sarawak, shared insights on market trends, business factors and commercial opportunities.



June 27th, 2023 – Invest with Confidence: Navigate Malaysia's Investment Landscape (Seminar)

The SMF co-organised a seminar titled "Invest with Confidence: Navigate Malaysia's Investment Landscape with Expertise and Insights". The seminar featured our partners from the JETCO - Johor Economic, Tourism and Cultural Office Singapore, the Malaysian Investment Development Authority - MIDA, ASQ Consulting Group and Tropicana Corporation Berhad.



July 4th, 2023 – Discovering Business Opportunities in Rwanda, Africa (Networking and Sharing Session)

SMF organised an international networking and sharing titled "Discovering Business Opportunities in Rwanda, Africa." Mr Desmond Tay, SMF Council Member and Co-Regional Head for India, Africa, Middle East and Central Asia of the SMF Global Business Group Function Committee, opened the event and shared the SMF's four focus areas: Sustainability, Human Capital, Internationalisation and Productivity.

The speakers then shared their insights and experiences in setting up a business in Rwanda, and why Rwanda is an attractive destination for Singaporean companies to establish their foothold.



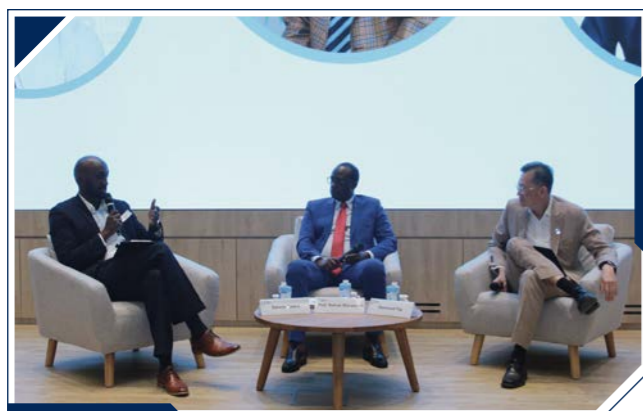
INTERNATIONALISATION GOING BEYOND BORDERS

INTERNATIONALISATION GOING BEYOND BORDERS

August 31st, 2023 – East Africa’s Emerging Markets: Rwanda Business Outlook (Discussion)

SMF organised a roundtable discussion themed “East Africa’s Emerging Markets: Rwanda Business Outlook,” in partnership with the Rwanda Development Board (RDB) and GUUD Company.

The event was graced by the presence of distinguished guests including Prof. Manasseh Nshuti, Minister of State in the Ministry of Foreign Affairs and International Cooperation, His Excellency Jean De Dieu Uwihanganye, High Commissioner of Rwanda to Singapore, and Mr. Jaspal Singh, Singapore’s non-resident High Commissioner to Rwanda. They shared valuable insights on the advantages of investing in the Rwandan market.



September 6th, 2023 – Benefits of Investing in Nghe An Market (Seminar)

His Excellency Mai Phuoc Dung, Ambassador of the Socialist Republic of Vietnam to the Republic of Singapore and Mr Bui Dinh Long, Vice Chairman of Nghe An Province of Vietnam, graced the seminar and together with delegates from Nghe An Province, shared insights on the benefits of investing in the Nghe An market. SMF President Mr Lennon Tan welcomed the attendees by sharing SMF’s relations with Vietnam, such as the MOU signing with the Vietnam-Singapore Industrial Park JV Co. Ltd (VSIP).



January 25th, 2024 - Partnerships and Opportunities in the Hungarian Market (Networking)

SMF had the privilege of hosting Her Excellency Judit Pach, the Hungarian Ambassador to Singapore, at our networking event. The Ambassador’s insightful discussion on networking opportunities in Hungary provided invaluable perspectives for our members. We extend our heartfelt appreciation to Ambassador Pach for highlighting the potential for Singapore businesses in the Hungarian market. Her insights have laid the foundation for future collaborations, fostering mutual growth and stronger ties between Singapore and Hungary.



INTERNATIONALISATION GOING BEYOND BORDERS

February 6th, 2024 – Exploring the Dynamic Polish Market (Networking)

SMF hosted the Poland Networking Event, an initiative aimed at exploring the dynamic and emerging market in Poland. We were honored by the presence of Ms. Ilona Korchut, Chargé d’Affaires, Embassy of the Republic of Poland in Singapore, whose participation greatly enriched the event.

A unique highlight of the event was the Chinese New Year Lohei session, where we had the pleasure of introducing our Polish guests to this vibrant and symbolic tradition for the first time. The event provided SMF members with valuable insights into the numerous business opportunities that Poland offers.



INTERNATIONALISATION GOING BEYOND BORDERS

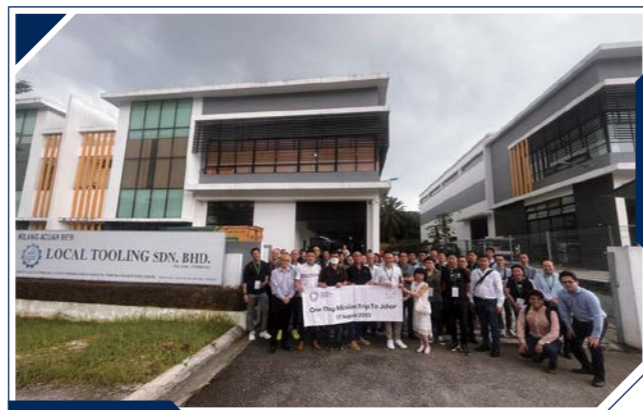
Business Mission Trips

August 17th, 2023 - Mission Trip to Johor Bahru with the Johor Bahru Chinese Chamber of Commerce & Industry (JBCCI)

SMF Vice President and Honorary Secretary, Mr. Melvin Tan, led a delegation of SMF members on a strategic mission to Johor Bahru, Malaysia. This one-day exploration was designed to provide our members with valuable insights into the manufacturing landscape of our neighboring country.

The mission included factory visits to both SMF member ALMARC Engineering Sdn Bhd and Malaysian firm Local Tooling Sdn Bhd, allowing participants to gain a comprehensive understanding of operational practices within Malaysian manufacturing companies. These visits were instrumental in highlighting the synergies between Singapore and Malaysia's manufacturing sectors.

Additionally, our members attended a seminar featuring prominent speakers from Nusajaya Tech Park, the Iskandar Regional Development Authority (IRDA), and ASQ Consulting Group Sdn Bhd. The seminar offered in-depth knowledge on Malaysia's robust economic growth, abundant investment opportunities, and business-friendly policies.



INTERNATIONALISATION GOING BEYOND BORDERS

October 22nd to 24th, 2023 - Mission Trip to Poland

SMF embarked on a significant mission to Poland from October 22 to 24, 2023, led by SMF President Mr. Lennon Tan. This mission aimed to strengthen bilateral trade relations, explore advanced technologies, and foster collaboration in key sectors.

The mission began with visits to the Centre for Advanced Materials and Technologies (CEZAMAT) and the Polish Chamber of Commerce, where SMF engaged in discussions on materials science and signed a Memorandum of Understanding to enhance trade relations. The delegation then visited the Polish Investment and Trade Agency, followed by a working lunch that facilitated networking with leaders in fintech, automotive, and reconstruction sectors.

Further engagements included a meeting at the Ministry of Economic Development and Technology, a visit to the Polish Alternative Fuels Association (PSPA), and a podcast recording on sustainable energy solutions. The second day featured a meeting with the Marshal of the Mazowieckie Voivodeship and representatives of the local business community, followed by site visits to the Fullfilio Distribution Center and Impact Clean Power, focusing on logistics and clean energy.

The mission concluded with the delegation's departure from Warsaw, having established valuable connections and insights that will strengthen Singapore's manufacturing sector and expand its reach within the European market.



INTERNATIONALISATION GOING BEYOND BORDERS

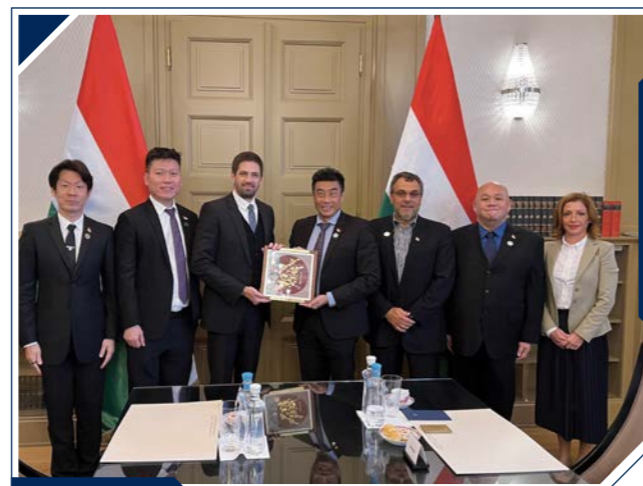


October 24th to 27th, 2023 – Mission Trip to Hungary

SMF embarked on a significant mission trip to Hungary, focusing on strengthening ties and exploring new opportunities for our members. The mission underscored Hungary’s robust supply chain, bolstered by the EU-Singapore Free Trade Agreement, which offers substantial benefits to Singaporean businesses. Hungary’s commitment to sustainable manufacturing and its emerging role as a key hub in various industries further enhances its appeal as a strategic partner.

The mission also highlighted Hungary as a gateway for Singapore businesses to near-shore operations within Europe, given its strategic location. This mission marks the beginning of a new wave of establishments and collaborations, providing numerous internationalisation opportunities for SMF’s members.

SMF engaged in key discussions with prominent industry leaders and organizations to explore collaborative opportunities. We met with Mr. Csongor Hunyar of Markija Berdaya HR Agency to discuss workforce development, and with Mr. Istvan Joo of the Hungarian Investment Promotion Agency to explore how Singaporean businesses can leverage Hungary as a strategic base in Europe. A luncheon with Singapore’s Honorary Consul, Mr. Balint Szecsenyi, introduced potential partnerships with Mikropakk Ltd, a leading packaging company. Additionally, our discussions with Mr. Csaba Kilian of the Association of Hungarian Automotive Industry highlighted the strengths of Hungary’s automotive sector, while a moderated session by SMF President Mr. Lennon Tan at Mathias Corvinus Collegium (MCC) fostered an exchange on leadership and innovation in manufacturing.



INTERNATIONALISATION GOING BEYOND BORDERS

Meeting with Overseas VIPs and Dignitaries

SMF engages with VIP delegates, dignitaries, business delegations, and ambassadors to strengthen international relationships and support members’ overseas business interests. These meetings enable SMF to connect with global bodies, helping the local manufacturing community expand into international markets.

August 24th, 2023 – Meeting with the Ambassador of the Bolivarian Republic of Venezuela to Singapore



October 16th, 2023 – Meeting with Ambassador of Uzbekistan



October 16th, 2023 – Meeting with Ambassador of Uzbekistan



January 18th, 2024 – Meeting with Professor Wang Can

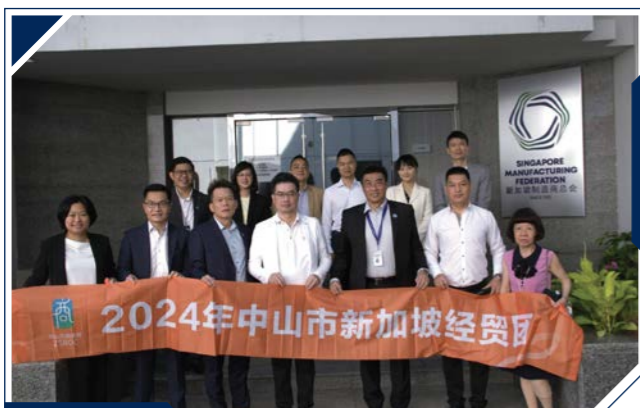


INTERNATIONALISATION GOING BEYOND BORDERS

February 29th, 2024 – Meeting with Huawei Delegation from China



March 18th, 2024 – Meeting with Delegation from the Zhongshan Commerce Bureau



March 25th, 2024 – Introductory Meeting with the Finnish Business Council Singapore (FBC)



March 26th, 2024 – Meeting with the Ambassador of Egypt



March 26th, 2024 – Meeting with the High Commissioner of Canada and Delegation Team



March 26th, 2024 – Meeting with the High Commissioner of Sri Lanka



March 27th, 2024 – Meeting with the Ambassador Extraordinary and Plenipotentiary of the Democratic Republic of Timor-Leste



March 27th, 2024 – Meeting with Sino Singapore Tianjin Eco City Bureau of Education and Delegation Team



INTERNATIONALISATION GOING BEYOND BORDERS

MOU Signings on Internationalisation Efforts

July 7th, 2023 - MOU ceremony at Singapore Regional Business Forum with Vietnam Singapore Industrial Park J.V., CO., LTD



Signed by CEO Mr. Dennis Mark and Mr. Sean Lim, Chief Financial Officer of VSIP, with the signing ceremony witnessed by His Excellency Mr. Le Minh Khai, Deputy Prime Minister of Vietnam, and Dr. Tan See Leng, Minister for Manpower and Second Minister for Trade and Industry, Singapore. This MOU marks a significant step towards supporting Singapore SMEs in expanding into the Vietnamese market. Both SMF and VSIP are committed to leveraging their networks and expertise to create new opportunities and drive mutual success for businesses in both countries.

INTERNATIONALISATION GOING BEYOND BORDERS

July 15th, 2023 - MOU with the Shantou Electronic Information and Software Industry Association (STESA)



Signed by CEO Mr. Dennis Mark and Mr. Ma Xue Pei, Vice President of STESA, with SMF President Mr. Lennon Tan and SMF Council members in attendance. This partnership aims to enhance collaboration in human capital development, internationalization, and productivity, aligning with SMF's strategic focus areas of S.H.I.P (Skills, Human Capital, Internationalization, and Productivity).

August 16th, 2023 - MOU signing with the China Chamber of Commerce for Import and Export of Machinery and Electronic Products (CCCME)



The MOU was signed by SMF Deputy President Mr. Ryan Chioh and CCCME Executive Vice President Mr. Zheng Chao. The signing ceremony was attended by SMF President Mr. Lennon Tan, SMF CEO Mr. Dennis Mark and ACE Mr. Clement Teo, and delegates from CCCME.

Through this MOU, both the SMF and CCCME have committed to enhancing trade and investment opportunities between companies in China and Singapore within the machinery and electronics sectors. The agreement also aims to facilitate member connections and support business matching inquiries between the two countries.

INTERNATIONALISATION GOING BEYOND BORDERS

August 17th, 2023 - MOU signing with Beijing Economic and Technological Development Area Singapore Pte Ltd (BETDAS)



The MOU was signed by SMF President Mr. Lennon Tan and BETDAS Director Mr. Qiu Ming. Both parties have mutually agreed to promote the development of trade and investment between Singapore and Chinese companies in the manufacturing sector.

October 20th, 2023 - MOU with Taiwan Automation Intelligence and Robotics Association (TAIROA)



The MOU was signed by SMF President Mr. Lennon Tan and Mr. Ren C Luo, Director and Chair of the International Committee of TAIROA, with Dr. Chen-yuan Tung, the Taipei Representative to Singapore, witnessing the signing. This collaboration with TAIROA aims to exchange insights on smart manufacturing policies, deepen understanding of robotics and automation technologies, jointly participate in events and research initiatives, and offer exclusive benefits to members.

INTERNATIONALISATION GOING BEYOND BORDERS

February 1st, 2024 - MOU with China Council for the Promotion of International Trade (CCPIT)



Signed at the prestigious Singapore-China Economic Partnership Conference and witnessed by Minister of State, Ministry of Trade and Industry Ms. Low Yen Ling, the MOU aimed to establish closer ties between Singapore and Chinese enterprises, especially in the critical areas of intellectual property protection, management, and dispute resolution.

February 20th, 2024 - MOU with the Hungarian Chamber of Commerce and Industry (HCCI)



This MOU signing marked a significant milestone in strengthening ties and unlocking new opportunities in trade, investment, innovation, and technology. By leveraging SMF's extensive network of over 5,000 members from various sectors, this collaboration aimed to expand international connections, benefiting not only our members but also the broader business communities in Singapore and Hungary.

PRODUCTIVITY

PRODUCTIVITY

SMF-Standards Development Organisation (SMF-SDO)

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

Chairman

- Mr Tan Boon Chong, Individual Capacity

Industry Representatives

- Mr Eugene Yoo, Chairman, Youth Network Function Committee, SMF
- Mr David Chia, Chairman, Smart Automation Industry Group, SMF
- Dr Lee Shiang Long, Council Member, SMF
- Mr Ryan Yap, Council Member, SMF
- Mr Sze Thiam Siong, Committee Member, Electrical, Electronics & Allied Industry Industry Group, SMF

SMF Representative

- Mr Clement Teo, Assistant Chief Executive and Chief Sustainability Officer

Standards Committee Representatives

- Dr John Yong Ming Shyan, Chairman, MSC
- Ms Jamie Lim, Chairman, SQSC

Enterprise Singapore Representatives

- Ms Choy Saw Kook, Director-General, Quality & Excellence Group
- Mr Khor Aik Lam, Director (Manufacturing), Standards Division
- Mr Chew Chon Mun, Head, SMF-SDO

Secretary

- Mr Chew Chon Mun, Head, SMF-SDO

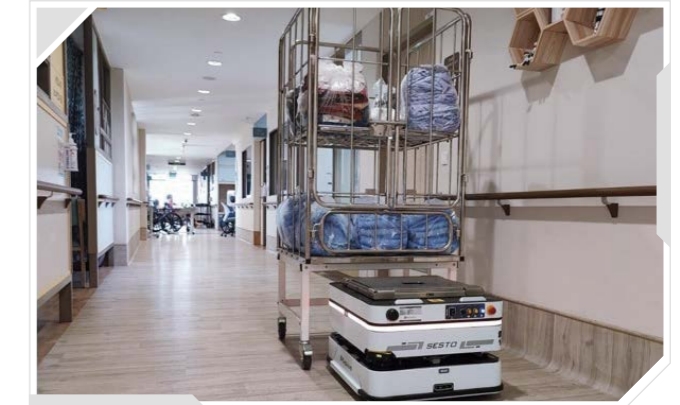
Events/Milestones under SMF-SDO

Supporting SMRT Trains Ltd on Adoption of SS ISO 55001 Standard



SMRT Trains Ltd improved its asset management and reliability with the help of SMF-SDO. As the chosen group by Enterprise Singapore to focus on Manufacturing, Quality, and Safety standards, SMF-SDO gave essential advice and support. This helped SMRT Trains meet both Singapore and international standards, showing how important such organizations are for better operations in different industries. Acknowledging the collaboration between SMRT Trains Ltd and SMF-SDO highlights a successful model of how industry players, with the right support, can align their asset management practices with global best practices, thus enhancing overall service quality and operational efficiency. This partnership not only propelled SMRT Trains to new heights of reliability and efficiency but also showcased the pivotal role of SMF-SDO in fostering industry-wide adoption of critical standards for sustainable growth and competitive advantage.

Supporting HOPE Technik on Adoption of TR 93 Standard



With the increasing adoption of Autonomous Mobile Robots (AMRs) across public and private sectors in Singapore, safety and efficiency have become top priorities. Recognizing this need, Singapore developed Technical Reference TR 93, a standard that defines data exchange protocols between robots, lifts, and automated doorways to enable seamless autonomous operations. This initiative ensures that diverse robotic systems can work together smoothly in various environments, enhancing both safety and efficiency.

With SMF-SDO's support, HOPE Technik has significantly reduced deployment times by about two to four weeks per project. This efficiency allows them to take on more projects and focus on strategic initiatives.

Compliance with TR 93 offers HOPE Technik significant business benefits, including cost reduction, enhanced safety, and future-proofing capabilities. By using TR 93-compliant middleware, HOPE Technik has eliminated the need for repeated costly integrations with lift and doorway systems, saving up to \$30,000 per deployment. The standard also ensures safer operations through robust emergency protocols, such as directing AMRs away from fire escape routes. Additionally, TR 93 compliance allows HOPE Technik to future-proof their AMR solutions, making them adaptable to diverse environments and reinforcing their leadership in the robotics industry.

PRODUCTIVITY

SME Centre@SMF

The SME Centre@Singapore Manufacturing Federation (SMC@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 2023/2024:

- Conducted 6698 one-on-one business advisories
- Organised 23 Capability Workshops, which were attended by over 1300 SMEs/Aspiring entrepreneurs
- Facilitated over 1000 cases covering grant support schemes and diagnostic toolkits
- Completed 2 Group-based upgrading projects on job redesign toolkit for manufacturing industry and supported SMEs in the diagnosis of intellectual property using World Intellectual Property Organisation (WIPO IP Toolkit) and reached out to 131 SMEs for these 2 projects
- Signed a Memorandum of Understanding (MOU) On Building Workplace Safety & Health Awareness And Capabilities Of Small And Medium Enterprises between Workplace Safety And Health Council and SME Centre@SMF on 22 November 2023

Capability Workshops

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 SME Centre@SMF builds the competency of SMEs covering areas such as follows:

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

SME Centre@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 Chairperson: Ms Vivian Chua, HP Inc.
Director: Mr Eddie Lim, Jil & Yellowtail Pte Ltd
Independent Director: Mr Willson Deng, Arcstone Pte Ltd

Partners for Business Growth (PBG) Programme

The SME Centre@SMF has an expanded scope to support SMEs through the Partners for Business Growth (PBG) programme. The programme 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, innovation, automation, talent development, and internationalisation. Supported by our two Business Development Advisors (BDAs), the fifteen promising enterprises of Cohort 2 developed 3-year growth plans, implemented capability projects, attended business strategy training, and widened their networks as they made strides towards accelerating business growth.

Group-based Upgrading Projects (GBU)

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 GBU project to support SMEs in the diagnosis of intellectual property using WIPO IP Toolkit, local businesses also participated in the curated workshops conducted by Audrey Yap, Managing Director of Yusarn Audrey LLC on 'IP Diagnostics for Businesses: Growing and Expanding your Business in Singapore and ASEAN' and 'IP Diagnosis for Businesses: Navigating trademarks for brand protection, understanding IP from employee and website development' on 5 and 6 March 2024 respectively. These workshops addressed the common challenges SMEs face when contemplating regional expansion and provided strategic insights on leveraging Intellectual Property (IP) to strengthen their business operations.



Exploring common IP pitfalls and effective mitigation strategies with Ms Audrey Yap (front row in pink) and the SME Centre@SMF business advisors.



This GBU project underscores SME Centre@SMF's commitment to supporting SMEs in their journey toward innovation, growth, and regional expansion through strategic IP management.

Another successful GBU is the Job Redesign for Enterprise Transformation, organised in collaboration with a Productivity Solution Grant Job Redesign pre-approved vendor, CET Global. This initiative targets manufacturing and its related industries, and aims to provide SMEs with a platform to learn how to identify work roles for job redesign, understand the redesign process, and implement and manage resulting changes effectively. As a key takeaway, CET Global guided the participating companies in developing a job redesign action plan for their organisation through a dedicated workshop.

Memorandum Of Understanding On Building Workplace Safety & Health Awareness And Capabilities Of Small And Medium Enterprises between Workplace Safety And Health Council and SME Centre@SMF on 22 November 2023

SME Centre@SMF is proud to be one of the five SME Centres partnering with Workplace Safety and Health Council (WSHC) in a significant MOU signing. Held on 22 November 2023, at the bizSAFE Convention 2023, this charts a dedicated course to enhance workplace safety and health for SMEs in Singapore.



Signed by Mr Dennis Mark (extreme left), SMF CEO, this agreement grants SMEs access to vital resources like the WSH Pack, promoting safer workplaces and reducing incidents through SME Centres.

The bizSAFE Convention serves as a platform to reinforce WSH among bizSAFE companies and partners, allowing us to innovate while prioritising safety.

PRODUCTIVITY

SME Centre Conference 2023

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 1000 participants, including SME business leaders, entrepreneurs, and founders, the conference was held on 13 September 2023 at Marina Bay Sands with the theme “From Local to Global”. Attendees 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 SME Centre@SMF’s PBG programme, Lek Lim Nonya Cake Trading Pte Ltd, was featured for its successful expansion into overseas markets. With guidance from the Business Development Advisor from SME Centre@SMF, Lek Lim has achieved remarkable growth and developed resilience, turning challenges into opportunities. The success story of Lek Lim serves as an inspiring example for other SMEs, demonstrating how by increasing productivity, building capabilities, nurturing innovation, and venturing overseas, SMEs can showcase their unique brands worldwide and elevate Singapore as a vibrant and innovative business hub. 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.



Beyond Borders – The Philippines: Unleashing the Power of Branding Workshop

To help SMEs capitalise on overseas market opportunities, SME Centre@SMF hosted the “Beyond Borders – The Philippines: Unleashing the Power of Branding,” a sharing session on July 20th, 2023, dedicated to equipping companies with the knowledge and strategies to successfully brand their businesses and expand into the Philippine market.

The event brought together industry experts and thought leaders who shared their experiences, best practices, and valuable insights into the complex world of global branding and market expansion. Participants engaged in dynamic discussions shared ideas, and built connections with like-minded professionals, gaining critical market insights to effectively navigate the business and cultural landscape of the Philippines.



PRODUCTIVITY

Unlocking the Dragon’s Gate: Breaking into the China Market” Capability Workshop

Organised on November 9th, 2023, the workshop focused on equipping small and medium-sized enterprises (SMEs) with the knowledge and insights needed to tap into the vast opportunities offered by the Greater Bay Area (GBA). Whether on the verge of expanding into this dynamic region or considering a strategic shift in their market approach for China, attendees left with a wealth of valuable information to help them break new ground in one of the most influential economic zones in the world. Their diverse perspectives and deep understanding of the GBA provided attendees with a comprehensive overview of the opportunities and challenges that lie ahead, inspiring them to consider new strategies for growth and success in the region.



Shift Toward Future Mobility with Taiwan Workshop

SME Centre@SMF, in collaboration with the SMF and the Taiwan External Trade Development Council (TAITRA Global), successfully hosted the capability workshop “Shift Toward Future Mobility with Taiwan” on February 22nd, 2024. This insightful event was well-attended by 33 SMEs who were eager to explore the latest trends, innovations, and advancements shaping the future of the automotive industry.



The workshop highlighted Taiwan’s significant contributions to the evolving automotive ecosystem, showcasing its strengths and capabilities in fostering cutting-edge developments in the sector. Participants gained valuable insights from our counterparts in Taiwan, providing a comprehensive understanding of the global automotive landscape and strategies for navigating the rapidly changing industry terrain.

This workshop underscored the importance of cross-border collaboration and knowledge exchange in advancing the capabilities of our SMEs, ensuring they remain competitive in the dynamic global automotive market.

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)
98. Singapore Human Resource Institute (SHRI)
99. Lenovo

Overseas Partner Organisations

Americas

1. Banco Adolpho Oliveria (represent the Central East Trade Corridor; CETRAC)
2. Camara de Comercio Brasil – Cingapura
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. Union Industrial Argentina
17. The Association for the Advancement of Medical Instrumentation of United States (AAMI)
18. Trinidad & Tobago Manufacturers' Association
19. The Mexican Businessmen's Council for International Affairs (Consejo Empresarial Mexicano Para Asuntos Internacionales)
20. The Dade Country Beacon Council
21. 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. Farmindustria, 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

LIST OF SMF PARTNERS

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
35. Timor-Leste TradeInvest Agency
36. Vietcombank HQ, Hanoi
37. Vietnam Association of Small and Medium Enterprises (VINASME)
38. Vietnam Chamber of Commerce & Industry (VCCI)
39. Confederation of Asia-Pacific Chambers of Commerce & Industry (CACCI)
40. Asia Pacific Assistive Robotics Association (APARA).

China & North East Asia

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

LIST OF SMF PARTNERS

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
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 Seinenkeiseiya 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
42. 42. China Council for Promotion of International Trade (CCPIT)
43. Beijing Economic and Technological Development Area Singapore Pte Ltd (BETDAS)
44. Hyundai Motor Group Innovation Centre in Singapore Pte Ltd (HMGICS)
45. Guangdong Lion Certification Co., Ltd.
46. China Chamber of Commerce for Import and Export of Machinery and Electronic Products (CCCME)
47. Shantou Electronic Information and Software Industry Association (STESA)
48. Taiwan Automation Intelligence and Robotics Association (TAIROA)

India, Africa, Middle East and Central Asia

1. Amman Chamber of Commerce
2. Association of Lebanese Industrialists
3. Association of Kazakhstan Machinery Industry
4. Bangladesh Chamber of Industries
5. Cairo Chamber of Commerce
6. Ceylon Chamber of Commerce
7. Chamber of Commerce and Industry of Uzbekistan
8. Confederation of Indian Industry (CII)
9. Dubai Chamber of Commerce and Industry
10. Egyptian Businessmen Association
11. Federation of Chambers of Commerce of Egypt
12. Federation of Indian Chambers of Commerce and Industry
13. Indian Chemical Manufacturers Association (ICMA)
14. Indian Merchants' Chamber
15. Jordanian Businessmen Association
16. Jordan Chamber of Commerce
17. Jordan Chamber of Industry
18. Manufacturer's Association of Israel
19. Metropolitan Chamber of Commerce and Industry, Dhaka
20. National Association of Small & Cottage Industries of Bangladesh
21. Nepal Chamber of Commerce (NCC)
22. PHD Chamber of Commerce and Industry
23. The Federation of Pakistan Chambers of Commerce & Industry
24. Forum of Indian Food Importers (FIFI)
25. Maharashtra Industrial Development Corporation (MIDC)
26. Agency for the Promotion of Industry, Tunisia
27. The Federation of Bangladesh Chambers of Commerce and Industry (FBCCI)
28. Manufacturers' Association of Israel
29. Federation of Israeli Chambers of Commerce

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)

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)

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) 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)

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)

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)

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)

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 (HAS) 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)

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)

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

BUILDING PRODUCTS AND CONSTRUCTION MATERIALS INDUSTRY GROUP (BPCM IG)

Chairman	Benjamin Lim	Iwa Design Pte Ltd
Deputy Chairman	Alvin Chow	Printec Pte Ltd
Deputy Chairman	Gilbert Chua	Geonamics (S) Pte Ltd
Committee Member	Gan Geok Chua	Singapore Safety Glass Pte Ltd
Committee Member	Catherine Chew	Sintalow Hardware Pte Ltd
Committee Member	Ong Kim Yeow	I-MAX Pte Ltd
Committee Member	Sivinder Singh	Dormakaba (S) Pte Ltd
Committee Member	Suzana Salman	Rockwool Building Materials (Singapore) Pte Ltd
Committee Member	Marcus Lim	Asiateck Industrial Supplier Pte Ltd
Committee Member	Kenneth Sim	Sunscreen (Singapore) Pte Ltd
Committee Member	Ken Liew	Sapphire Windows

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

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

ENERGY & CHEMICALS INDUSTRY GROUP (E&C IG)

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

FOOD & BEVERAGE INDUSTRY GROUP (FB IG)

Chairman	Cheong Chung Kin	Win Sin Pte Ltd
Deputy Chairman	Cyndy Au	Biocreations Singapore Pte Ltd
Committee Member	Lee Gee Chyn	Nestle Singapore (Pte) Ltd
Committee Member	Yvonne Tan Sock Hoon	Gardenia Pte Ltd
Committee Member	Elvina Amanda	Gardenia Pte Ltd
Committee Member	Zhang Jia Lin	Inflo Health Sciences
Committee Member	Eric Lew	FrieslandCampina (Singapore) Pte Ltd
Committee Member	Kimberly Lai	Coca Cola Far East Limited
Committee Member	Willie Foo	Alternative Selection Pte Ltd
Committee Member	Sebastian Ho	Pepsico International Pte Ltd
Committee Member	Chenchill Kho	Pepsico International Pte Ltd
Committee Member	Yifan Jiang	Olam Food Industries (OFI)
Committee Member	Taisha Antony	Aasia Pacific Breweries (Singapore) Pte Ltd
Committee Member	Eugene Tan	Wanin Industries Pte Ltd
Committee Member	Elaine Tan	DSM Singapore Industrial Pte Ltd
Committee Member	Jennifer See	F&N Foods Pte Ltd
Committee Member	Claire Airela Shen	Cooking Art Industries Pte Ltd
Committee Member	Verleen Goh	Alchemy Foodtech Pte Ltd

LIFESTYLE INDUSTRY GROUP (LIG)

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

COMMITTEE MEMBERS

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LIFE SCIENCES INDUSTRY GROUP (LS IG)

Chairman	Mohan Kumar	Strides Pharma Global Pte Ltd
Committee Member	Adam Hamid	Naina Mohamed & Sons
Committee Member	Raymond Lam	Pharmaforte Singapore Pte Ltd
Committee Member	Victor Heng	Practical Mediscience Pte Ltd
Committee Member	Dr Ameet Ambarkhane	Covate Pharma Pte Ltd

MEDICAL TECHNOLOGY INDUSTRY GROUP (MT IG)

Chairman	Henry Tan	Alpha-Health Asia
Deputy Chairman	James Chan	Varian Medical Systems
Vice Chairman	Rey Zhang	Mediwell Enterprise Pte Ltd
Vice Chairman	Nigel Tan	Johnson & Johnson Asia Pacific
Committee Member	Gjan Lim	Healthcare Essentials Pte Ltd
Committee Member	Raheja Amit	Johnson & Johnson Asia Pacific
Committee Member	Kelvin Tan	Karl Storz
Committee Member	Cristan Yang	Karl Storz
Committee Member	Kandyce Ong	APCO Worldwide Advisory Service Pte Ltd
Committee Member	Keith Lee	Transmedic Pte Ltd
Committee Member	Khoo Kai Chang	Johnson & Johnson Asia Pacific

PACKAGING COUNCIL OF SINGAPORE INDUSTRY GROUP (PCS IG)

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

SMART AUTOMATION INDUSTRY GROUP (SA IG)

Chairman	David Chia	Beckhoff Automation Pte Ltd
Deputy Chairman	Mun Kok Woh	Astech Pte Ltd
Committee Member	Lee Theam Wah	OPEX Consulting Group LLP
Committee Member	Tan Aik Jin	ZEBRA TECHNOLOGIES ASIA PACIFIC PTE LTD
Committee Member	Daniel Lau	SERVO DYNAMICS PTE LTD
Committee Member	Jenson Ong	ABB PTE LTD
Committee Member	Kenn Wong	VE CAPITAL ASIA PTE LTD
Committee Member	Sew June Sung	TECMAVEN GROUP PTE LTD
Committee Member	Brandon Lee	BDATA PTE LTD

EVENTS FOR INDUSTRY GROUP MEMBERS

May 5th, 2023 - AEM IG Networking Session



The Advanced Engineering and Manufacturing Industry Group (AEM IG) held a highly engaging Networking Session that brought together members for dynamic discussions on current business sentiments and future outlooks. The session provided a valuable platform for participants to forge meaningful connections and exchange industry insights, fostering a strong sense of community within the group.

New members had the opportunity to introduce themselves and provide brief overviews of their businesses and services, allowing for deeper networking and collaboration. This session was a testament to the strength of our community, as members united to share knowledge and strategies, enhancing our collective ability to navigate industry challenges together.

May 26th, 2023 – Site Visit to Pepperl+Fuchs SG2 Site



The Smart Automation Industry Group (SA IG) arranged a site visit to Pepperl+Fuchs SG2, offering members an inside look at Industry 4.0 in action. Mr. Klaus Maile, Managing Director of Pepperl+Fuchs Asia Pte Ltd, discussed the importance of Industry 4.0 for SMEs, emphasizing its role in smart manufacturing, productivity, and customization. The highlight was a tour of the production floor, showcasing how automation and Industry 4.0 technologies enhance efficiency and decision-making.

EVENTS FOR INDUSTRY GROUP MEMBERS

June 1st, 2023 – Site Visit to Coherent Singapore



The Smart Automation Industry Group (SA IG) organised an insightful industry site visit to Coherent Singapore, aimed at exploring key technologies pivotal to Smart Factory Transformation. The visit provided our members with a valuable opportunity to delve into advanced technologies driving digitalization and efficiency in manufacturing.

During the visit, Mr. Tan Boon Hock presented Coherent's Smart Factory Transformation Journey, which began in 2018. He highlighted the company's commitment to factory digitalization through end-to-end integration across their enterprise, shop floor, and production facilities.

Mr. Tan showcased several cutting-edge smart factory solutions implemented at Coherent, including:

- Manufacturing Execution System (MES): Enhancing real-time production management and control.
- Real-time Visualization Dashboard: Utilized with Power BI for comprehensive data insights and decision-making.
- Low-cost Collaborative Robots (COBOTS): Streamlining process automation with cost-effective solutions.
- Kardex Horizontal Carousel: The first installation in Singapore, designed for automatic material storage and retrieval, significantly improving operational efficiency.

The highlight of the visit was the exclusive opportunity to tour Coherent's manufacturing facility, where attendees observed firsthand the practical implementation of these innovative smart factory solutions.

June 14th, 2023 – Industry Site Visit to Hexagon's Smart Manufacturing Innovation Centre



The Smart Automation Industry Group (SA IG) organised an industry site visit to Hexagon's Smart Manufacturing Innovation Centre for our members on June 14th, 2023. Hexagon's Smart Manufacturing Innovation Centre is fitted with a wide array of advanced hardware and software technologies aimed at enabling an autonomous future for manufacturers.

It was an enriching opportunity for our members to take a closer look at the implementation of these advanced solutions and how Hexagon can provide the application of advanced technologies and smart manufacturing to support growth in manufacturing.

June 21st, 2023 - Understanding the Security of Payment (SOP) Act Seminar



The Building Products and Construction Materials Industry Group (BPCM IG) organised a seminar on the Security of Payment (SOP) Act. This seminar was aimed at addressing the challenges our members face in receiving timely payments for their work and services in the built environment sector.

We were privileged to have Mr. Eric Ng, an expert in construction law, as our speaker. Mr. Ng provided valuable insights into the provisions of the SOP Act and outlined actionable steps members can take to ensure prompt and fair payment for their services. The seminar emphasized how the SOP Act offers a streamlined and cost-effective process for resolving payment disputes through adjudication.

EVENTS FOR INDUSTRY GROUP MEMBERS

July 20th, 2023 – Resiliency in Manufacturing - How Can We Prepare for the Next Wave of Disruption Joint Seminar



Members of SMF's Smart Automation Industry Group had the opportunity to participate in the seminar, co-organised alongside the Singapore Computer Society, held at the Paradox Merchant Court. The seminar featured valuable insights from industry experts, who shared strategies and tips on building resilience in critical areas such as human resources, finance, and technology.

A highlight of the event was the panel discussion on Resiliency in Manufacturing, moderated by Vincent Wong, Director of Research & Development at Continental Automotive, and featuring David Chia, Managing Director of Beckhoff Automation. The discussion explored the challenges and opportunities currently faced by the manufacturing industry.

Our members greatly benefited from this event, gaining knowledge on enhancing resiliency in manufacturing and engaging in meaningful networking opportunities with fellow Singapore Computer Society members.

EVENTS FOR INDUSTRY GROUP MEMBERS

August 22nd, 2023 – Demand-side Participation Forum with the Energy Market Company (EMC)



In partnership with the Energy Market Company (EMC) and supported by the Energy Market Authority (EMA), SMF’s Energy and Chemicals Industry Group (E&C IG) organised a Demand-Side Participation Forum to promote the EMA’s Demand Side Management initiative for energy-intensive firms. The forum encouraged manufacturers to join the Demand Response (DR) and Interruptible Load (IL) programs, which incentivize businesses to reduce energy usage during peak periods or when renewable energy supply is inconsistent. Industry experts shared insights on optimizing energy consumption and earning compensation through effective demand management strategies.

September 25th, 2023 – Plant and Customer Experience Centre Visit to dormakaba Singapore



The Building Products and Construction Materials Industry Group (BPCM IG) organised a visit to dormakaba Singapore’s manufacturing plant and Customer Experience Centre. This visit provided our members with an in-depth look at dormakaba’s comprehensive manufacturing process for their range of door and access products.

During the visit, dormakaba showcased their ongoing automation and digitalization transformation journey, highlighting their innovative use of machines and collaborative robots (cobots) within the plant.

This experience not only allowed our members to gain valuable insights into advanced manufacturing techniques but also facilitated the strengthening of relationships and exploration of potential business opportunities with dormakaba Singapore.



EVENTS FOR INDUSTRY GROUP MEMBERS

November 10th, 2023 – Why Sustainability is Crucial for Manufacturing Seminar



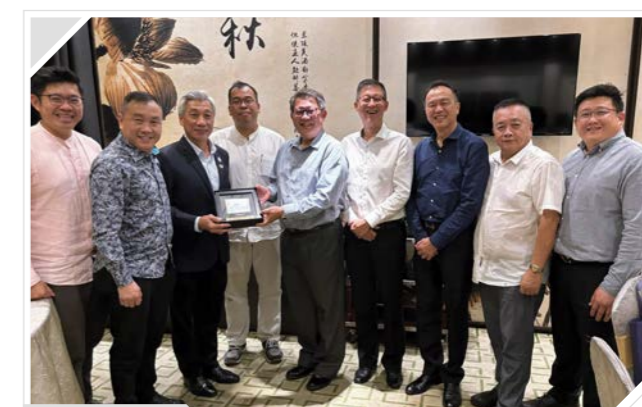
The Electrical, Electronics and Allied Industries Industry Group (EEAI IG) organised a seminar, “Why Sustainability is Crucial for Manufacturing,” to provide our members with insights into sustainability tailored for the manufacturing sector. The seminar featured key presentations from Dr. Yew Ming Hock, who discussed optimizing energy, water, and waste management, and Mr. Cheong Tak Leong from Enterprise Singapore, who outlined how to embark on a sustainability journey using various standards. Progress Galvanizing Pte Ltd shared their sustainability experiences, and the National Environment Agency (NEA) introduced the Energy Efficiency Fund, which offers grants to help businesses improve energy efficiency in industrial facilities.

November 15th to 17th, 2023 - SMF Learning Journey to Penang



The SMF Learning Journey Mission to Penang, held from November 15th to 17th, 2023, and organized by IA-Community of Communication 21 Media Group, was a significant opportunity for participants to engage with leaders in the advanced manufacturing sector. The mission included visits to key establishments such as SAM Aviatron, Invest Penang, and SFP Technology, where participants gained valuable insights into the latest technological advancements and practices. Additionally, the delegation visited the Federation of Malaysian Manufacturers (Penang Branch) to strengthen industry connections and knowledge sharing.

A highlight of the mission was the networking dinner hosted by the Federation of Malaysian Foundry and Engineering Industries Association (FOMFEIA), which facilitated meaningful interactions among industry professionals. The journey concluded with a networking session hosted by SAMENTA and a visit to Penang Technology Park, underscoring the mission’s focus on fostering industry relationships and exploring cutting-edge manufacturing technologies. Overall, the mission demonstrated SMF’s commitment to promoting industry growth, collaboration, and innovation.



EVENTS FOR INDUSTRY GROUP MEMBERS

November 24th, 2023 – Site Visit to Virogreen (Singapore) Pte Ltd and Metech Recycling Pte Ltd



The event provided an opportunity for members to explore and understand sustainable practices firsthand at Virogreen.

Participants gained valuable insights into Virogreen's comprehensive services, including Asset Recovery, Environmentally Compliant Recycling, and Onsite Data Destruction. The highlight of the visit was an exclusive tour of Virogreen's facilities, where members observed the meticulous and innovative processes employed to minimize the environmental impact of e-waste recycling.

The visit underscored the importance of environmental sustainability, encouraging members to leverage Virogreen's e-waste recycling services to ensure safe and efficient recycling practices.

January 25th, 2024 – Networking Session with the Hungarian Chamber of Commerce and Industry (HCCI)



The Building Products and Construction Materials Industry Group (BPCM IG) organised a successful networking session to explore business opportunities in Hungary. This event aimed to enlighten our members on potential partnerships and opportunities for Singapore businesses in the Hungarian market.

During the session, SMF President Mr. Lennon Tan and Mr. Benjamin Lim shared their firsthand experiences and insights from the SMF Presidential Delegation trip to Hungary in October 2023. They provided valuable perspectives on the business environment and highlighted the unique opportunities available in Hungary.

This event fostered meaningful engagement with our members and included productive discussions with the Hungarian Embassy on further promoting Hungary as an ideal investment destination in Europe for Singaporean manufacturing companies.

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.

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 opportunt

Memorandum of Understanding Signing with Trustana, September 7th, 2023



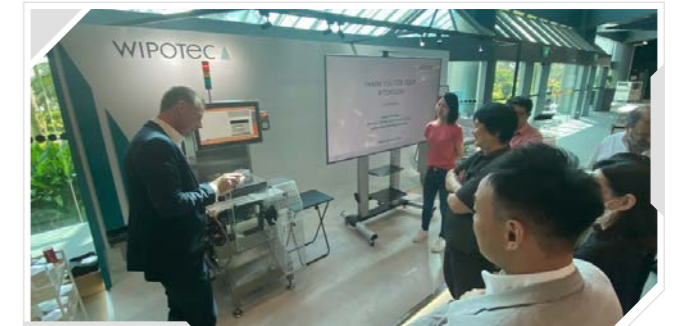
GS1 Singapore signed a Memorandum of Understanding (MoU) with Trustana, a leading provider of product data management technologies. This strategic partnership aims to enhance business efficiency and sales by offering digital solutions and education to create consistent, high-quality product data.

Through this collaboration, GS1 Singapore and Trustana will leverage their combined expertise to provide comprehensive resources, including knowledge-sharing and digital solutions, to their customers and members. The partnership will also focus on joint technical initiatives, such as the GS1 Global Data Synchronisation Network (GDSN), to develop innovative trade solutions, including advanced trade documentation.

GS1 SINGAPORE

Christopher Ang, CEO of GS1 Singapore, highlighted the significance of this partnership, stating, "This alliance with Trustana reflects our shared vision of promoting the adoption of GS1 standards globally. Together, we aim to empower local businesses to optimize their product information efficiently, enhancing traceability and interoperability. This collaboration also presents opportunities for future initiatives, including the development of next-generation barcodes in retail."

"Retail Revolution: How GS1 2D Codes Will Change Consumer Goods" Joint Seminar, September 15th, 2023

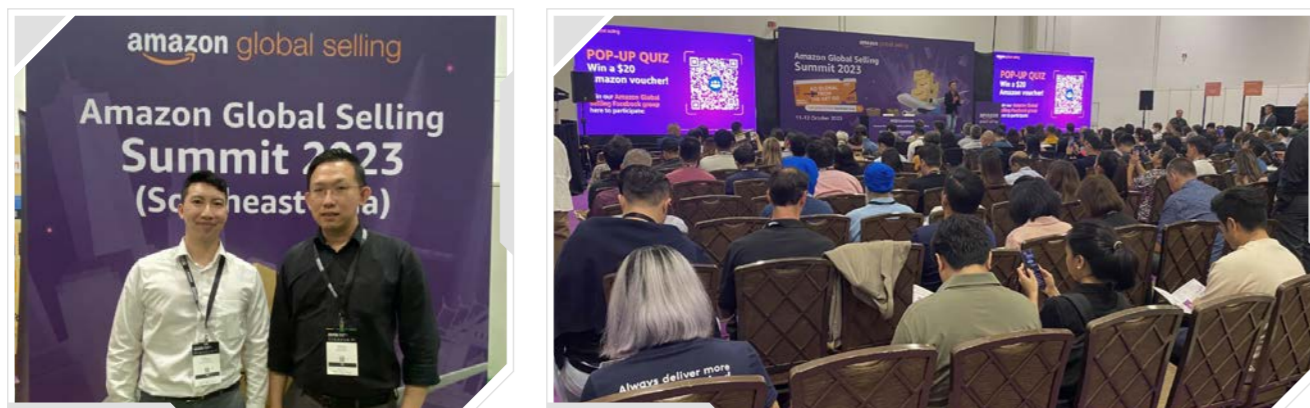


In collaboration with Wipotec, GS1 Singapore hosted the seminar "Retail Revolution: How GS1 2D Codes Will Change Consumer Goods" at the German Centre. The event attracted participants from various retail and consumer packaged goods companies, keen to explore the latest trends in GS1 2D codes, their benefits, and best practices.

The seminar provided attendees with an in-depth understanding of how GS1 2D codes are set to transform the retail landscape by enhancing product information accuracy and improving consumer experiences. A highlight of the event was the hands-on session where participants had the opportunity to use state-of-the-art machines to print GS1 2D barcodes live.

GS1 SINGAPORE

Amazon Global Selling Summit 2023, October 11th, 2023



GS1 Singapore further strengthened its commitment to supporting local businesses by partnering with Amazon Global Selling. This collaboration aimed to equip retailers with the GS1 Global Trade Item Number (GTIN), a crucial tool for enhancing product visibility and ensuring smoother operations in the e-commerce space.

The GS1 Singapore team had the opportunity to showcase their barcodes and how they can help businesses kickstart their online selling journey during one of the breakout sessions at the Amazon Global Selling Summit 2023. This session provided invaluable insights into the benefits of adopting standardized barcodes, demonstrating how they can simplify product listings and improve sales performance on e-commerce platforms.

This initiative reflects GS1 Singapore's ongoing dedication to driving growth within the retail sector, empowering businesses to harness global opportunities, and positioning Singapore as a hub for digital commerce excellence. The collaboration with Amazon Global Selling not only facilitates market expansion for local retailers but also promotes the adoption of global standards in product identification.

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438A Alexandra Road, #04-01/02,
Alexandra TechnoPark,
Singapore 119967
www.smfederation.org.sg