

YEAR-IN REVIEW

FOR AGM 2023



ASPRI

Connect • Engage • Grow

towards A Sustainable PProcess Industry

IPI

A Division of ASPRI

**ASPRI INTEGRATED
TRAINING CENTRE**

5D JALAN PAPAN

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towards A Sustainable PProcess Industry



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towards A Sustainable P**RO**cess Industry

Association of Process Industry

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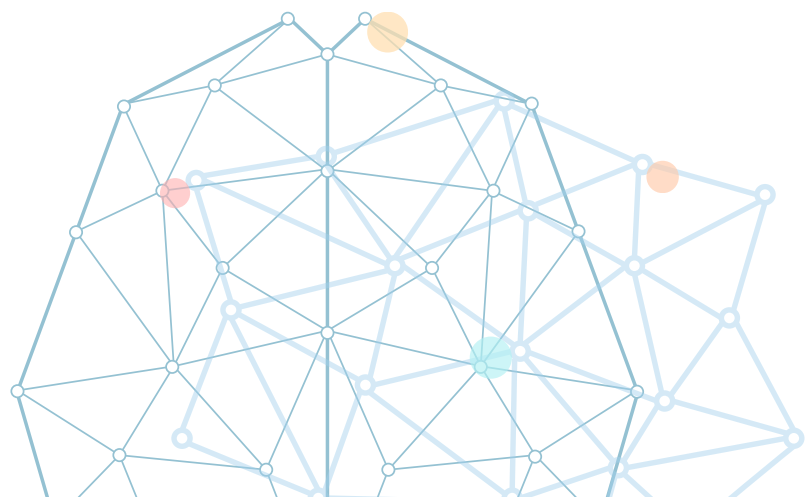
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President's Message

A year of progress and change



Mr. Danny Chua,
ASPRI 14th Executive Committee

As we near the end of another financial year, let us take a moment to reflect on the progress we have achieved as an industry and set our sights on the future.

Towards a Sustainable Process Industry

Sustainability has emerged as a central theme of discussions for nations and businesses alike. Going green is no longer just an aspiration but an expectation. The Singapore Green Plan 2030, launched in 2021, is Singapore's comprehensive movement to advance the national agenda, with the 'Energy Reset' being one of its core components. In parallel, the Sustainable Jurong Island plan, developed by EDB, outlines the transformation of Jurong Island into a sustainable showcase for energy and chemicals.

During our 25th anniversary gala dinner, I highlighted that several of our clients had already taken steps to support this plan and received media recognition. Throughout the year, an increasing number of our clients have joined the movement. ASPRI is closely following this transition in the energy and chemical sector and will work even closer with economic agencies such as EDB, ESG, and JTC to understand the driving forces and provide better information and support to our members during this phase.

The Process, Construction, and Maintenance (PCM) Digitalisation Readiness Index (DRI)

We successfully launched the Process, Construction, and Maintenance (PCM) Digitalisation Readiness Index (DRI) at our gala dinner, with the presence of Dr. Tan See Leng, Minister of Manpower and 2nd Minister of Trade & Industry. Supported by our government partners, the PCM DRI is an initiative of ASPRI's Digitalisation, Innovation & Technology Adoption (DITA) Workgroup and a continuation of the 2021 Industry Digital Plan (IDP) for the Process sector.

While the level and necessity of digitalisation may vary across organizations, the momentum toward digitalisation is gaining traction. I am pleased to report that over 100 of our members completed the PCM DRI within six months of its official launch. We now have a reasonable quantitative understanding of our industry's digitalisation levels and areas for improvement. It is imperative for ASPRI to encourage and help the companies find the relevant solutions as well.

The ASPRI team is working diligently to engage with and review the PCM DRI reports with all participating members. We will continue our efforts to encourage even more members to take part in this initiative.

Internationalisation

The association has also rekindled our overseas business trip initiatives in Q4 of 2022 in partnership with the Singapore Business Federation (SBF). We successfully conducted the Rotterdam and UAE mission trips in October and November respectively.

The objective of our mission trips is multi-fold and dynamic. We had the opportunity to network extensively and understand the business landscape opportunities in UAE. Whereas in Rotterdam, our members networked with new technology players in the digitalisation and sustainability space and learned how our counterparts are transiting in the new realm of greener energy.

Updates from ASPRI-IPI

FY2022/23 had also been another eventful and fulfilling year for ASPRI's Institute of Process Industries (IPI). Our training institute clocked an impressive 201,400 training hours, an approximate 19% increase in training hours volume year on year. We also achieved the prestigious ISO 29993 certification mark to ensure quality delivery of our industry's 13 WSQ skill courses and had recorded 3 straight years of zero non-conformance and observations. We would like to thank all members for your support and dedication towards the continuous upskilling of our workforce.

In addition, aligned to our overall digital and partnership for growth strategy, ASPRI-IPI had also enhanced our mobile training system and is an approved platform by SSG for asynchronous eLearning. We collaborated with the Association for Materials Protection and Performance (AMPP) to offer the internationally recognized C7/C12 Blasting and Painting Certification Program in Singapore and are the preferred SG partner for the AMPP Coating Inspector Program (CIP) Level 1 course, with the 4th run held on 16th Dec 2022. Concurrently, we are also working with e2i to

explore course fee support for relevant international certified courses, to enhance the skill sets of our Singaporean core workforce.

Moving towards the new year, while we build on our 2022 industry visits where we hosted representatives from the US embassy, Malaysian Oil & Energy Services Council (MOGSC), the UAE embassy, MOM and others, ASPRI-IPI will also be intensifying our industry outreach efforts.

Specifically, ASPRI-IPI will be partnering with NUS college of Design and Engineering to jointly organize Process Skill Orientation visits to ASPRI Integrated Training Centre (AITC), and organize, develop, and/or offer relevant workshops and training courses to the Process sector.

Matters closer to home

Constant media publicity on inflation and an impending recession had cast a shadow of uncertainty over the business climate. Our members have cited rising cost concerns (dormitory prices, material, labour shortage) in our end year MOF budget survey. Come January 2024, the new Dependency Ratio Ceiling revision will also have a knee-jerk effect on our member companies.

These are issues that ASPRI is aware and has been consistently engaging our members along with public and private sector stakeholders to narrate our challenges and find solutions collectively.

Conclusion

ASPRI will continue to evolve in line with the industry's needs and further connect, engage, and grow with our members. As we strive to create new foundations and support the industry's transition towards a more sustainable process industry, we remain mindful of the immediate challenges and will redouble our efforts to advocate for our members. Let us celebrate our successes, learn from our challenges, and march forward into the coming year with renewed determination.

Together, we will continue to progress and bring about positive change.

Mr. Danny Chua
President
ASPRI 14th Executive Council

KEY ASPRI EVENTS

ORGANISED & SUPPORTED

Mar 22 - Apr 23



ASPRI 2022 AGM & Gala Dinner

Welcoming a Change of Guard and Celebrating 25 Years of Achievements while Embracing the Future.



Group photo taken during Gala Dinner

The ASPRI 2022 Annual General Meeting (AGM) & Gala Dinner held on 20th July 2022 at the Grand Copthorne Waterfront Hotel was a momentous occasion, commemorating the organization's 25th Year Anniversary and welcoming a change of guard in the executive council.

The day began with ASPRI's in-person AGM, marking its return after a two-year hiatus. Approximately 80 individuals from 61 member organizations attended the AGM, which became even more significant with the passing of the presidential baton from Mr. Charles Quek (ASPRI's 13th executive council) to Mr. Danny Chua (ASPRI's 14th executive council). Additionally, the ASPRI 14th executive council welcomed Mr. Sumiya Takeshi as a council member for his inaugural term. After the AGM concluded, the newly elected council members networked with fellow members in anticipation of ASPRI's Gala Dinner.

This grand event brought together over 600 industry leaders, government and private sector partners, and esteemed guests from the process industry. Alongside the anniversary celebrations, the Gala Dinner witnessed the unveiling of ASPRI's new tagline, "Towards a Sustainable Process Industry," reflecting the organization's commitment to fostering environmental stewardship. Furthermore, ASPRI introduced the highly anticipated Process Construction and Maintenance (PCM) Digitalisation Readiness Index (DRI), further highlighting their dedication to driving innovation and digital transformation within the industry.



Minister for Manpower and Second Minister for Trade and Industry, Dr. Tan See Leng giving his speech

Celebrating 25 Years of Excellence

The Gala Dinner served as a fitting tribute to ASPRI's remarkable journey over the past 25 years. Attendees took a moment to reflect on the milestones achieved and the positive impact ASPRI has had on its members, recognizing the organization's significant contributions to Singapore's process industry. Key milestones included the PCM Scheme, Local Industry Upgrading Programme (LIUP), On-the-Job Training (OJT) for 13 skillsets, ProcessCEM Asia, the establishment of a training arm: ASPRI-IPI, and the ASPRI-Westlite Dormitory--Papan with an integrated training centre.



Mr Danny Chua giving his presentation

ASPRI 2022 AGM & Gala Dinner



towards **A Sustainable P**rocess **I**ndustry

ASPRI launched its 25th Anniversary Logo with the tagline during Gala Dinner 2022

Unveiling the New Tagline: "Towards a Sustainable Process Industry"

During the Gala Dinner, ASPRI unveiled its new tagline, encapsulating the organization's aspirations for the future. The tagline emphasizes ASPRI's commitment to promoting environmentally friendly practices, energy efficiency, and the reduction of the carbon footprint across the process industry. Through collaborative efforts and innovative solutions, ASPRI aims to drive sustainable growth and address the global challenges faced by the industry.



Group photo taken during Gala Dinner after DRI launch



Networking and Collaborative Opportunities

The Gala Dinner provided an ideal platform for industry leaders, professionals, and stakeholders to network and forge meaningful connections. The event fostered an atmosphere of collaboration and camaraderie, encouraging dialogue, knowledge exchange, and potential partnerships. Attendees had the opportunity to interact with like-minded individuals, explore business prospects, and discuss potential areas of cooperation for the collective advancement of the process industry.

The ASPRI 2022 AGM & Gala Dinner was an extraordinary event that celebrated the organization's 25th Year Anniversary, showcasing its remarkable journey in the process industry. The introduction of the new tagline, "Towards a Sustainable Process Industry," and the launch of the Process Construction and Maintenance (PCM) Digitalisation Readiness Index (DRI) emphasized ASPRI's commitment to sustainability and innovation. The event provided a platform for industry leaders to connect, exchange ideas, and explore collaborative opportunities, setting the stage for future advancements.

ASPRI would like to express gratitude to our distinguished guests, members, and generous sponsors for their unwavering support, making ASPRI's first post-pandemic mega dinner a resounding success.

Process Construction and Maintenance (PCM) Digitalisation Readiness Index (DRI) Launch

One of the highlights of the evening was the official launch of the Process Construction and Maintenance (PCM) Digitalisation Readiness Index (DRI) with Dr. Tan See Leng, Minister of Manpower and 2nd Minister of Trade & Industry, as the guest of honor. This groundbreaking initiative by ASPRI builds upon the PCM Industry Digital Plan (IDP) launched in partnership with the Infocomm Media Development Authority (IMDA) and Enterprise Singapore in 2021.

The index aims to assess the digital readiness of companies within the process industry and support their digital transformation journey. Serving as a benchmarking tool, it enables organizations to evaluate their current digital capabilities, identify areas for improvement, and implement strategies to enhance overall efficiency and competitiveness.

ASPRI's 2022 Internationalisation Initiatives



Group photo taken for the UAE Mission Trip



Group photo taken during Rotterdam Conference

In collaboration with the Singapore Business Federation (SBF), ASPRI successfully revitalized its overseas business trip initiatives in the fourth quarter of 2022, focusing on Rotterdam and the UAE in October and November respectively.

The Rotterdam trip brought together 13 delegates representing 11 companies, providing them with valuable networking opportunities with key players in the digitalisation and sustainability sectors. Participants gained insights into how their counterparts and asset owners were embracing greener energy solutions.

Noteworthy highlights of the trip included an exclusive invitation to the prestigious Rotterdam Red Carpet annual event, a special luncheon with the Singaporean ambassador to The Netherlands and representatives from select Dutch organizations, a customized presentation on the Port of Rotterdam's decarbonization strategy aboard the 'De Nieuwe Maze' boat, and a visit to the Vopak site, where a live demonstration of one of their decarbonization initiatives took place.



Live demonstration of decarbonization by Vopak



Special Luncheon with Singapore Ambassador



Hosted by the UAE representatives



Site Visit at Horizon Terminal UAE

In the UAE, ASPRI's 17 participants, representing 15 companies, had the opportunity to extensively network and explore the business landscape in the region.

The trip was facilitated by various UAE government entities and asset owners, including the Abu Dhabi Chamber of Commerce & Industry (ADCCI), TAQA, Abu Dhabi National Oil Company (ADNOC), Borouge, KEZAD Group (Khalifa Economic Zones Abu Dhabi), Fujairah Oil Industry Zone (FOIZ), and the Emirates National Oil Company Group (ENOC).

ASPRI Process Industry Prosperity Lohei 2023



ASPRI Lohei 2023 - A toast at the VIP table

On February 3, 2023, ASPRI organized its Process Industry Prosperity Lohei 2023 at Marina Bay Sands. This annual flagship event marked a significant milestone as it was the first event held in three years since the COVID-19 pandemic. The Guest-of-Honour, Dr. Koh Poh Koon, Senior Minister of State for the Ministry of Manpower and the Ministry of Sustainability and the Environment, graced the occasion. The evening brought together more than 550 guests, including government and industry partners, as well as esteemed members from the Process Industry.



Mr Danny Chua presenting a S\$80,000 cheque to Associate Professor Kenneth Low (Cluster Director, Engineering) Singapore Institute of Technology (SIT)

Bursary Award

During the event, ASPRI announced the establishment of a S\$80,000 bursary in collaboration with the Singapore Institute of Technology (SIT). Named the ASPRI Bursary, it consists of 16 bursaries valued at S\$5,000 each, which will be disbursed over the course of four years. The bursary aims to support financially disadvantaged but deserving students pursuing various full-time engineering degrees at SIT.

Additionally, ASPRI hopes that the bursary will help showcase and promote Singapore's Process Industry to local engineering talents, encouraging them to join in the industry's transformation towards greater sustainability.

The event also featured a presentation by Mr. Steven Nah, Secretary of ASPRI's 14th Executive Council and the Lead of the Digitalisation, Innovation & Technology Adoption (DITA) Workgroup. He shared the progress of the Digitalisation Readiness Index (DRI) since its launch during the Gala Dinner on July 20, 2022. With the participation of over 100 member companies in the DRI to date, Mr. Nah reiterated ASPRI's commitment to continuing the digitalisation initiative for the entire Process Industry.



Mr Charles Quek, immediate past President of ASPRI's 14th Executive Council receiving the star awards from SMS Dr Koh Poh Koon.

Star Award Presentation

The highlight of the evening was the Presentation of the Star Award, which recognizes individuals or organizations that have made significant contributions to the success and development of Singapore's Process Industry. This year, the Star Award was bestowed upon Mr. Charles Quek, CEO of HSL Constructor Pte Ltd, who served as the longest-serving President and Immediate Past President of ASPRI's 14th Executive Council.

ASPRI extends its heartfelt appreciation to all distinguished guests, members, and generous sponsors for their unwavering support, which contributed to the resounding success of the dinner.



Participants hanging out at the reception area

ASPRI Institute of Process Industry (ASPRI-IPI) Updates

:Advancing Safety, Certification, and Training Excellence

Advancements in Assessment Integrity and AI Technology

On the area of digitalisation, ASPRI-IPI has emerged as a pioneering Accredited Training Provider by harnessing the power of cutting-edge technologies, specifically AI proctoring software called Mettl Assessment by Mercer.

Secure browser



Mettl Test, AI Proctoring



Endorsed by the Ministry of Manpower (MOM), this innovative software has played a pivotal role in safeguarding the integrity of assessments and exams by efficiently detecting and preventing undesirable behaviors. With the success of Mettl, ASPRI-IPI is now geared towards expanding the number of eligible WSQ course assessments.

This year, we aim to increase the current count from 11 to 25 courses, encompassing both mandatory and process skill courses. By broadening the range of eligible courses, ASPRI-IPI continues to lead the way in providing comprehensive and reliable training solutions to the industry.

| Current courses in Mettl System | Addition by 2023 |
|--|--|
| WSQ Supervise Workplace Safety and Health in Process Plant | WSQ Manage Work At Height |
| WSQ Apply Workplace Safety and Health in Process Plant | WSQ Supervise Work in Confined Space Operation |
| WSQ Perform Work At Height | WSQ Supervise Metal Scaffold Erection |
| WSQ Perform Work in Confined Space Operation | WSQ Supervise Manufacturing Work for Workplace Safety and Health |
| WSQ Perform Blasting And Painting Work | WSQ Assess Confined Space for Safe Entry and Work |
| WSQ Perform Fitting Work In Workshop | WSQ Respond to Fire Emergency in Buildings |
| WSQ Perform Metal Scaffolding Work | WSQ Respond to Fire Incident in Workplace |
| WSQ Perform Process Pipe Fitting Work | WSQ Operate Scissor Lift |
| WSQ Perform Rotating Equipment Fitting Work | WSQ Perform Rigger And Signaller Tasks |
| WSQ Perform Thermal Insulation Work | WSQ Perform Electrical Fitting Work |
| WSQ Perform Electrical Fitting Work | WSQ Perform Plant Equipment Fitting Work |
| | WSQ Perform Plant Civil Work |
| | WSQ Perform Instrumentation Fitting Work |
| | WSQ Perform Refractory Work |

ASPRI Institute of Process Industry (ASPRI-IPI) Updates

:Advancing Safety, Certification, and Training Excellence

International Partnerships

ASPRI-IPI has recently embarked on an exclusive partnership with the Association for Materials Protection and Performance (AMPP), a renowned international certification body. Through this collaboration, ASPRI-IPI has been granted the authority to conduct assessments and certifications in two critical areas: C7 (Abrasive Blaster Certification) and C12 (Spray Application Certification). This strategic alliance has significantly enhanced ASPRI-IPI's portfolio, enabling them to provide industry-leading certifications in these specialized fields.

The inaugural class held in March '23 marked a significant milestone, further cementing ASPRI-IPI's unwavering commitment to delivering top-notch certifications. The successful completion of this class showcased the effectiveness and quality of their training programs. In addition, ASPRI-IPI is now gearing up for our 5th edition of the Coating Inspector Programmes (CIP).



First class of C12



Students doing C12 Painting and Blasting Works

Training Statistics



Expansive Training Offerings

ASPRI-IPI has been unwavering in its commitment to providing comprehensive training opportunities. Currently with over 37 face-to-face training courses, including WSQ courses and in-house programs, and 77 online course modules available through IPI eConnect, they cater to the diverse needs of industry professionals and ASPRI-Westlite Papan Dormitory Residents.

In the previous financial year, ASPRI-IPI achieved a remarkable feat by delivering a record-breaking number of training hours and headcounts for R1 Process Skill courses to its member companies, totaling 4,300 headcounts and 93,000 training hours.

| Training Statistics | FY22/23 | FY21/22 | FY20/21 | FY19/20 | FY18/19 |
|---------------------|---------|---------|---------|---------|---------|
| Training headcounts | 201400 | 164900 | 279200 | 267000 | 253600 |
| Training hours | 30900 | 26300 | 83700 | 30000 | 26800 |

ASPRI Integrated Training Centre (AITC): A Hub of Excellence

The ASPRI Integrated Training Centre continues to be a beacon of excellence, attracting numerous industry stakeholders and esteemed visitors. Over the past financial year, AITC proudly hosted more than 24 visits from member companies, plant owners, trade association chambers, government ministries, agencies, and international delegations. ASPRI-IPI remains committed to constantly improving the training centre and pioneering the integration of the latest trends in adult learning and technology.

ASPRI Institute of Process Industry (ASPRI-IPI) Updates

:Advancing Safety, Certification, and Training Excellence

Training Statistics as of June 2023

ASPRI-IPI
courses
available **37**

WSQ Mandatory Safety Courses

WSQ Process 13 Skillset

ASPRI-IPI Softskill and Computer
courses

IPI eConnect
Courses
available **77**

Plant Courses

ASPRI-IPI developed courses
(Free for all)

Visits to ASPRI Integrated Training Centre (AITC)

In FY22/23, AITC has held 24 visits for various government bodies, institutes and companies.



ASPRI Integrated Centre (AITC)

ASPRI Institute of Process Industry (ASPRI-IPI) Updates

:Advancing Safety, Certification, and Training Excellence

Shell Global – Contracting & Procurement 14th Feb 2023



Attendees include: Mr Paul Van Weert (Vice President, Contracts Projects & Technology), Ms Tania Lim (General Manager, Projects East Downstream, Integrated Gas, Upstream, New Energies Contracting & Procurement Department), & her team, Mr Loh Lock Mun (Director, FRP Products Company Pte Ltd), Mr Steven Nah (Managing Director, Shing Leck Engineering Service Pte Ltd), Mr Wayne Yap (Executive Director, ASPRI), Ms Caphine Lee (Former ASPRI-IPI General Manager)

Other key events



NUS Masterclass Orientation



MOGSC Visit



UAE Embassy



US Embassy



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A large, 3D-style blue speech bubble with a white outline, containing the text 'THANK YOU!' in bold, white, uppercase letters. The speech bubble is centered within a large, circular graphic composed of concentric rings in shades of green and blue. The background features diagonal stripes in green and blue, and several small, colorful circles (orange, red, light blue) scattered around the central graphic.

**THANK
YOU!**