

SCOPE

4th Quarter 2022
MCI (P) 030/01/2023



SCOPE EDITORIAL COMMITTEE

• SK Sarkar • Lincoln Lee • Cerine Lim • Gerald Lim
• Kew Jia Ming • Khoo Yi Hao • Calvin Neo

2022 PERFORMANCE REVIEW AND MANAGEMENT DIRECTIONS FOR 2023



Hisashi Shibayama

Managing Director



2022 has been another challenging year for all of us at PCS as we journey towards a new normal of living with COVID-19. I take this opportunity to thank all of you for your resilience and dedication in maintaining the sense of responsibility to the Company and tirelessly providing sustainable contributions and efforts, against this backdrop.

Our financial performance for 2022 is expected to be worse than budgeted due to tough business environment on the back of high crude oil and naphtha prices following the Russia/Ukraine war and weak demand for petrochemicals in Asia following China's COVID-19 lockdowns and its property crisis. Global oil demand had been increasing in early 2022 as the world emerged from COVID-19 restrictions and the Russia/Ukraine war, which led to the European Union cutting off significant Russian oil imports and the tit-for-tat reduction of the gas supplies by Russia to Europe, caused Brent crude oil and natural gas prices to spike to record high levels. Moreover, OPEC+ interest to continue limiting their crude production and US shale producers' inability to ramp up sufficient production kept crude prices elevated in 2022. On the other hand, Asian petrochemical demand stayed weak due to China's Zero COVID-19 strategy and its property sector woes. The start-up of several mega complexes in China also dampened the petrochemical market. Under this tough environment, crackers and their derivatives plants in Asia Pacific, including PCS and many of our downstream companies, have to load down their operations.

There are many challenges facing the petrochemical industry today - firstly the push towards energy transition and environmental sustainability gaining momentum and for PCS, the significant carbon tax increase in Singapore from 2024; secondly is the continued huge additions of mega integrated plants with

new technologies in the Asia Pacific region. To take on these challenges, PCS Management, together with the Company's Directors, have set up a Strategic Master Planning Team to review PCS' competitiveness and to make recommendations to improve and enhance the Company's competitiveness and profitability in the long term. In addition, we also formed the PCS Sustainability Team in February 2022 to spearhead the Company's initiatives in carbon reduction initiatives with the aim to significantly reduce our carbon footprint and transit into a low carbon, essential chemicals producer.

On the HSE front, our HSE record remains excellent. To date, we have maintained zero Lost Time Incident ("LTI") and zero Total Recordable Case Frequency ("TRCF"). PCS was recognised with the Outstanding Cluster Award (Merbau Cluster) at the National Safety and Security Watch Group Award Ceremony. In addition, we were conferred the most prestigious Workplace Safety and Health Performance (Excellence) Award 2022 for the second consecutive year.

On a positive note, the Company, after many years of discussions with one of our downstream companies Mitsui Elastomers Pte Ltd ("MELS"), have signed a Memorandum of Agreement ("MOA") to supply hydrocarbons, utilities and common services to the recently announced new MELS third elastomer plant (MELS-3) which will be sited on Jurong Island. This is strategic for the Company to further diversify its customer portfolio and also for the management of our C2 molecules.



Looking ahead, 2023 will continue to be very challenging. Global economic growth is expected to slow down to approximately 2.9% in 2023, as countries grapple with inflation with the Russia/Ukraine war and the heightened risk of recession, even as the world recovers from the COVID-19 pandemic and resume economic activities.

Crude is expected to be volatile with the global uncertainties. The development of the Russia/Ukraine war, the impact of sanctions on Russia, Russia's curtailed gas supply to the EU and OPEC's interest to keep supply tight will have an important bearing on energy prices. For feedstock, naphtha demand in Asia is expected to be weak as crackers continue to operate at low load due to weak margins. However the impending startup of Vietnam's Long-Son's Integrated Petrochemical Complex ("Long-Son") in 1st half 2023 may lend some support to naphtha demand. On the supply side, naphtha exports from Kuwait Petroleum Corporation new refinery will strengthen naphtha supply. Strong middle distillate margins resulting from strong demand may also support high refinery run rates and in turn increase naphtha supply.

On the product side, the recovery of demand in Asia hinges on how China will emerge from its COVID-19 restrictions and whether it can successfully manage its property crisis. The continued massive supply from China's new plants and, in South East Asia, the restart of

Malaysia Prefchem Integrated Cracker and the start-up of Long-Son are expected to result in a product overcapacity situation in 2023. Capacity growth and regional plant expansions for Ethylene, Propylene, Butadiene and Benzene production are expected to outpace demand.

Based on the expected weak petrochemical market and uncertain crude/naphtha outlook, the Company is projecting a weak 2023 financial performance. In response to the challenging market conditions, we will continue our efforts into 2023 in the key areas of cross functional optimisation of PCS' business and operations, the identification, promotion and execution of projects to enhance our competitiveness such as feedstock robustness, upgrading product value chain, improving energy efficiency, implementing CAPEX projects safely and successfully, safe and successful execution of SDM 2023. As for our plants' facilities, we need to continue with our efforts to improve energy efficiency, reduce variable costs and facilitate gap closure for operations excellence. With our nimbleness and concerted team work and efforts, I am

confident that PCS, with our Board's support, will be able to ride through these difficult times.

On Sustainability front, we have outlined PCS Road Map towards producing low carbon essential chemicals through 4 categories, namely to continue the energy efficiency improvement drive, to deep dive into carbon capture, utilization and storage technologies, to engage in circular economy through finding alternative use for waste streams, processing circular/bio feedstock and producing green chemicals and lastly, to explore renewable energy sources. We continue our work at reducing PCS's carbon intensity, mitigate the high costs of carbon emissions and play our part in protecting the environment.

While making efforts in the above focus areas, we must, needless to say, continue to conduct our business and operations ethically, professionally and with integrity.

Last but not least, I wish you and your family a joyous holiday season and a safe, happy and healthy 2023.

For 2023, the key focus areas are:



Good Health, Safety and Environmental Performance

- Strive to maintain good HSE performance and aim to reach next health and safety milestone of 55 million hours worked without LTI
- Continuing to promote employees' health consciousness especially in times of COVID-19



Achieve Better Financial Performance by

- Ensuring safe, smooth and stable operation;
- Optimising feedstock purchases;
- Managing our sales portfolio and responding nimbly to changing market conditions and customers' operations;
- Maintaining cash cost within 1st Quartile of Solomon's unit operating index



Successful Implementation of Projects, Studies and SDM 2023

- Safe and successful completion of PCS-I SDM 2023
- Implement Capex items and Projects safely, successfully and on schedule
- Review and explore areas of Sustainability

Complex HSE Campaign 2022 Opening Ceremony



Ho Jia Quan
Maintenance



The last three years must have been tough for many people. It was the first time in our lives that most of us had to endure an unprecedented 2 month long circuit breaker lockdown, isolation from the outside world, disconnection from friends, inability to leave the house to participate in the activities that we used to enjoy doing during our free time. Soon after the COVID-19 rules were eased, and the country was gradually opening up, some of these frustrations eased.

However, many people are still struggling to lead back a normal life and may be suffering from the psychological impacts of such restrictions. The mental well-being of many Singaporeans, residents and workers are affected, as a result of a shift in work patterns, lack of social support, and difficulty in balancing work life. Hence mental health at the workplace has been a growing concern, ever since COVID-19 pandemic has begun in Singapore since Year 2020.

The Complex HSE Committee 2022 will like to create awareness of mental well-being issues, so all of us can support each other through these unprecedented difficult times. This year's Complex HSE campaign theme is **"Mental Well-Being"** and the slogan for this campaign is

"Your Story Matters,

Speaking Up Helps"



During the 3-week Complex HSE campaign (5th October – 26th October 2022), a series of events were organised: Bulletins, talks & a bulletin contest, targeted to create awareness of mental health issues and ways to improve mental well-being. As a campaign souvenir, PCS employees and contractors received a \$10 Decathlon gift card to purchase sports equipment at the Decathlon store. Spending more time outdoors, doing sports, and exercising are effective ways to improve mental health.

The 3-week long Complex HSE campaign kicked off with a physical opening ceremony on 5th October 2022, Wednesday. This was the first physical opening ceremony in 3 years, the previous 2 years' events being broadcasted via virtual Facebook live, due to Safe Management Measures (SMM) restrictions. Since the pandemic is still ongoing, this opening ceremony was a closed door event, limited to only a handful of esteemed guests (mainly management staff) from various Complex companies and PCCA. Mask wearing was still mandatory and safe distancing of 1 metre was observed. The event was also broadcasted live via Zoom for those who wished to catch the ceremony online.

Time	Programme
10:45am	Arrival of guests
11:00am	Guests to be seated by 11:00am SMM briefing + Energizer by Emcee
11:10am	Welcome Address by hosting company Mr Ronald Doesburg General Manager of Shell Jurong Island
11:20am	Keynote Address by GOH Mr Silas Sng Commissioner for Workplace Safety & health Ministry of Manpower
11:30am	Official launch of Complex HSE Campaign 2022
11:40am	VIPs tour of games booths & Lunch

Mr Silas Sng, Commissioner for Workplace Safety & Health, MOM, was the ceremony's Guest of Honour. Upon arrival of the GOH, the Emcee started the event with an energising program, the National WSH Campaign Workout. Similar to the classic Singapore workout, this workout was launched in April 2022 to promote safety and health in the workplace.



GOH Mr Silas Sng and GM for Shell Jurong Island, Mr Ronald Doesburg, enjoying a stretch during the WSH workout

The event continued with an opening welcome address by the General Manager of Shell Jurong Island, Mr Ronald Doesburg. Shell Eastern Petroleum Limited (SEPL) is the chairing company for this year's Complex HSE campaign. This was followed by a keynote address from Mr Silas Sng.



Mr Silas Sng shared a personal story of how he himself suffered from some potential psychological issues during the SARS period 20 years ago. This was an extremely stressful and tiring period for him, as he needed to manage the arrival of foreign visitors at MOM headquarters, with all the SMM in place. A simple email to his colleagues was sent out 3 times with simple mistakes, which were not spotted by him,

despite repeated proofreading. His inability to focus on the task at hand suggested he may not be in good mental health. His example shows that no one is infallible: anyone can suffer from mental well-being issues, due to stress and fatigue.

With reference to the campaign slogan, Mr Silas Sng reminded us that while we may not be able to carry the burden for your peers, we can be his/her listening ears. We can also provide a shoulder to cry on. If we are in a position to offer a listening ear, we should do so intently.

Finally, he shared a message from Minister Edwin Tong, Minister for Culture, Community and Youth: **"This means creating a culture of kindness with supporting policies that protect workers and reinforcing networks of care and support within our organisations, in order to respond to the stresses and precarity arising from complex challenges like the pandemic. Many businesses are already finding out, at a large cost to themselves, that kindness is not a luxury, but a necessity. In turn those who have found strength in kindness have grown stronger."**



All Complex companies' Managing Directors and GMs were then invited on stage to launch the campaign together with Mr Silas Sng and Mr Ronald Doesburg. A confetti shower and round of applause welcomed the official launch of the campaign with the activation of the I-Ball.

Welcome Message

by Mr Ng Chee Wai

I joined PCS in February 1989 as a Process Engineer in Process Group. About a week later PCS-I SDM (Shutdown Maintenance) started! Having no experience working in a petrochemical plant, this was a real eye opener and an unforgettable experience. However, I realised, in what PCS has become to be well-known for, its people, safety and teamwork culture.

SDM is an event when one gets to work more closely together within a short period with many colleagues from different departments and contractors. I was able to work with operation members for the shutdown and start-up of the plants; and maintenance members and contractors for inspection, equipment cleaning and catalyst replacement. This opportunity enabled me to build a closer relationship and rapport with my colleagues very quickly which served me well till today. It was a steep learning curve and I deeply appreciated their support and guidance.

Over the years, I took on different roles in Olefin-I, Olefin-II and Technology & Optimization

functions. I have experienced many challenges ranging from the financial ups and downs, plant incidents, troubleshooting, improvements and new facilities/plants. From each of these events, PCS members and our contractor partners have worked together and emerged stronger! In interactions with my colleagues, I have always emphasised that the quickest way to learn and remember is through participation in the detailed work, e.g. site / situation assessment, evaluation/troubleshooting, recommendations and execution/implementation.

I worked more closely with Lucas since 2002 when I was assigned to Production Planning & Coordination, T&O. Lucas is a good teacher as I recall vividly an incident during SDM 1992 when he took the time to personally explain to me the special design of cracking furnace Transfer Line Valves (TLV) with drawings. Lucas' many years of contributions and leadership has helped to steer PCS to where we are today. He is also

very active in sharing and promoting occupational and process safety in Singapore and overseas. I would like to thank him and look forward to his contributions as Head, Sustainability cum Senior Advisor to GMP.

Now, as I take on the new role of General Manager (Plant), I am excited at the opportunity given to me to work with you more in depth and in different areas but also wary of the challenges ahead. I believe our unique PCS safety and teamwork culture will help us emerge from these challenges safer, more reliable and more sustainable!

My warmest wishes for you and your family to stay safe, healthy and well in the New Year!

Thank you!



General Manager
(Plant)

Welcome Message

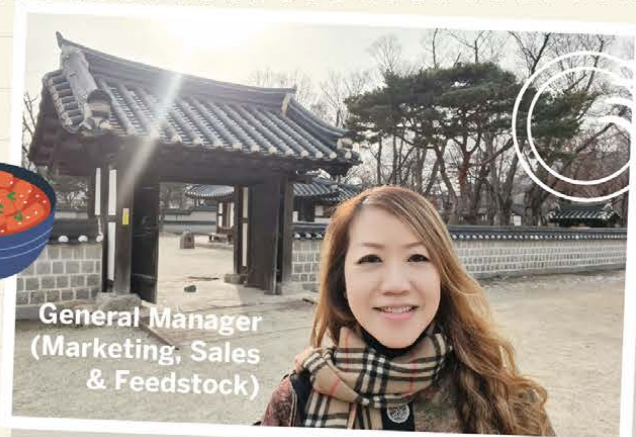
by Ms Annie Tan

Recounting my 29 years in PCS, I am grateful for the many opportunities to grow and learn and the privilege to work with many capable, nurturing and kind bosses and colleagues. I spent my first 7 years in the Accounting & Finance (ANF) function. I still remember vividly my first day of work; I attended a meeting to discuss the implementation of Goods and Services Tax (GST) not realising until much into the session that I was the project leader. The learning curve was steep as we had barely a year before GST kicks in! Thanks to all the help I received from the colleagues in ANF and Lilian, who was then already out of ANF, I was able to complete the project much to my relief. My time in ANF was fruitful, enjoyable and never short of challenging projects; revamping the accounting system, assisting a former colleague Mr Yong to set up the costing system for PCS-II, capitalising PCS-II investment cost etc. Many thanks to the Engineering and Maintenance colleagues who were so patient in helping us itemise and capitalise a thick list of assets. I was

transferred to the Business Development & Planning (BDP) function in Jan 2000 and the supposedly 2 years' stint was cut short to 5 months, nevertheless it was a good learning rotation. My next assignment was in Marketing, Sales & Feedstock Procurement function where I took on various commercial roles, first as a Marketing & Sales Personnel handling product sales followed by Feedstock Procurement. Both roles enabled me to learn totally different skills set from my days in ANF and BDP.

In all my years working in different roles, what I appreciated most is the willingness of PCS personnel to teach and explore new ideas together. The camaraderie and team spirit we have is much admired by many in other corporates. I am proud to be part of the PCS family.

As I assume the new role of General



General Manager
(Marketing, Sales
& Feedstock)

Manager for Marketing, Sales and Feedstock, I am humbled by the trust and confidence of the management team and privileged to work together with them.

The road ahead is a challenging one as we grapple with the tough market environment but I believe our strong PCS culture of team work, openness to venture into uncharted waters and willingness to embrace changes to harvest new opportunities will put us in good stead as we face our competitors.

I look forward to working with all of you and let's ride through the storms and tides together to emerge better and stronger. Taking this opportunity, I would like to wish everyone of you a healthy, successful and blessed new year!

Merbau Cluster Wins *Outstanding Cluster Award*



Christopher Heng
Fire & Security

Congratulations to Merbau SSWG Cluster, represented by Petrochemical Corporation of Singapore (Private) Limited (PCS), Chevron Philips Singapore (Private) Limited (CPSC), Shell Eastern Petroleum (Pte) Ltd (SEPL) and The Polyolefin Company (Singapore) Pte Ltd (TPC), for receiving the Outstanding Cluster Award at the National Safety and Security Watch Group Award (NSSWG) Ceremony 2022, held at Orchard Hotel on 28 September 2022.



Er Lucas Ng receiving the award from GOH Ms Sun Xueling



Group photo with MOS Ms Sun Xueling and members from Merbau SSWG Cluster



Exclusive interview with Er Lucas Ng by The Straits Times and Mediacorp Chinese Digital Portal

This prestigious award ceremony is a biennial event introduced in 2009 to recognise Safety and Security Watch Group (SSWG) members for their exceptional efforts in implementing security measures to protect their personnel and buildings at the national level. In her Speech, the Guest of Honour (GOH), Ms Sun Xueling, Minister of State, Ministry of Home Affairs and Ministry of Social and Family Development highlighted the importance of community partnership

as Government efforts alone are insufficient to mitigate the terror threat.

The Straits Times and Mediacorp Chinese digital portal, published the exclusive interview with Er Lucas Ng on PCS receiving this award. In his interview, he mentioned that technology is always changing and terrorist might make use of new technology available to carry out terror attacks. We must therefore be one step ahead to ensure that they will not be successful.

Investment opportunities
in digital innovation
remain if investors
know where to look

Find out
more >

Organisations' support essential in keeping Singapore safe and terrorism at bay: Sun Xueling



Ms Sun Xueling, Minister of State for Home Affairs, speaking at the National Safety and Security Watch Group Award Ceremony on Sept 28, 2022. PHOTO: SINGAPORE POLICE FORCE

Chin Hui Shan

PUBLISHED SEP 28, 2022, 9:02 PM SGT



SINGAPORE - In August 2021, SBS Transit senior technician Muhammad Hisham Muslim was boarding the Downtown Line train at Chinatown when he saw a man carrying a long object.

Worried that it was a rifle, he alerted the station manager at Telok Ayer station who also reported the incident to the Public Transport Security Command.

Fortunately, it was a false alarm and the item turned out to be an umbrella.

A total of 137 members received the SSWG awards for their efforts in enhancing the safety and security of their workplaces.

This includes conducting table-top exercises for contingency plans and working with the police and the SCDF to strengthen their buildings' security measures against crime and terrorism.

Organisations are also split into clusters according to their locations. Within each cluster, members will meet regularly to discuss strategies to enhance security in the vicinity.

There are more than 1,600 members and 196 clusters.

At the Merbau Cluster at Jurong Island, which includes 10 organisations, security staff have been trained to detect illegal items like contraband cigarettes.

In early 2021, a man was caught smuggling contraband cigarettes and alcohol into the compound and was handed to the authorities.

Extract from The Strait Times highlighting the vigilance of our security staff to prevent illegal items being smuggled into the Complex.

Safety and Security Watch Group (SSWG) Scheme

Receiving the award is an important recognition by the Singapore government of the Safety and Security Watch Group scheme (SSWG). The initiative, started in 2003, to strengthen private-public partnership between building owners and Home Team agencies against vulnerabilities within premises has expanded to cover more than 1,600 buildings in 196 clusters.

This award has also garnered interest of non-SSWG members and encouraged them to actively join the scheme and participate in SSWG activities. Motivated members taking ownership and taking a proactive approach towards their premise's safety and security have contributed significantly to the safety and security of Singapore. To many SSWG members, qualifying for the award is a prestigious and remarkable organisational achievement.

Safety and Security Watch Group – Staying Vigilant in Turbulent Times

SSWG is a crucial network that has allowed SPF and SCDF to work with Singapore Petrochemical Complex to enhance our overall preparedness and readiness against terror attacks. Our Merbau SSWG cluster partner with SPF, SCDF & JTC to organise regular meetings and trainings to keep SSWG members updated on the latest threats and protective measures available. As a cluster, all the members play an important role in supporting the SGSecure movement to prepare organisations to deal with incidents and contingencies.

SSWG Efforts and Awards

It is remarkable how well our SSWG members have kept up vigilance and preparedness during the COVID-19 pandemic. Our members adapted to pandemic-related constraints by participating in virtual table-top exercises over 2020 and 2021, to validate security plans and measures. During this time, SSWG members also kept updated on crime trends through webinars, and shared information with the wider community to aid crime prevention.

Members leverage on digitalisation to conduct SGSecure training through virtual meetings to ensure that training is able to be carried out without the need for physical attendance. Members also regularly reviewed their Emergency Response Plans and conducted fire safety drills to ensure high emergency preparedness.

Results of Security Training

Thanks to the comprehensive security training conducted, our staff have become attuned to look out for abnormalities at work. This was clearly demonstrated by one of our staff who alerted security to a container of sensitive chemicals that was left outside the company's premises. It was later established that it was accidentally left behind by a surveyor.

Through CCTV monitoring by Fire Station personnel, we managed to detect fishing vessels encroaching into prohibited waters. The incident was reported to JIECC and MPA, and prevented a possible security breach.

In another example, our staff made use of skills that they learnt from SGSecure training and successfully mitigated an industrial first aid incident.

It is important for us to build on this foundation of success and enhance our capabilities as one Ayer Merbau SSWG community. Congratulations once again to the leadership team and everyone in our cluster.

Sumitomo Chemical Company Visit



Tan Peck Luan
HSE



Group picture of SCC and PCS members

PCS warmly welcomed three members from Sumitomo Chemical Company (SCC) on their visit from 25 – 27 October 2022. They were Mr Satoru Hirai (Deputy General Manager, Chiba Works), Mr Kentaro Ono (Staff, Industrial Safety & Hygiene Section, Chiba Works) and Mr Kazuo Hiramatsu (Manager, Responsible Care Department, Essential Chemicals Sector). For those who have been with PCS long enough, you may remember Hirai-san from his stint in PCS from 1998-2002 as part of the PIIDII Project team. The main objective of this visit was to exchange information and ideas, and for the SCC members to observe our HSE programmes and activities.

On the first day, SCC members were given an overview of how PCS implemented various HSE programmes such as BBS (Behaviour Based Safety), SOS (Speak Out for Safety) and STAR (STop And Report) in our organisation. Discussions on these activities and demonstration videos were also presented. SCC members then sat in as observers in our 4Q Responsible Care (RC) Committee meeting, and witnessed the reporting of HSE performance, updating of HSE promotional activities and the presentation on the progress of action plans by our respective RC code custodians.

After that, the SCC members went to our QC laboratory, where they watched an employee carrying out a 'No Name No Blame' observation on his peer. SCC members were very interested in how our BBS observer identified the safe and at-risk

behaviours, as well as how he gave feedback to his peer after the observation. This was followed by visits to PCS' Olefin-I and Olefin-II control centres (ICC and CCC), where the two plant managers gave them brief introductions and tours around the control centres.

On the second day, two of the SCC members attended the Apply Workplace Safety and Health in Process Plant (AWSHPP) course at our PCS ATO Training Centre. This is a mandatory 1-day WSH (Workplace Safety and Health) training course for all workers working in the oil and petrochemical industry, where they learnt about their WSH legal obligations and the safe work practices in process plants. PCS is an approved training organisation under the WSQ (Workforce Skills Qualifications) framework.



SCC members watching BBS observation at PCS QC laboratory



SCC members attending AWSHPP training at PCS ATO Training Centre

On the third day, SCC members had a chance to observe two of our Contractor Companies conducting their daily Tool Box Meeting (TBM) with their workers. They were especially captivated by one of the speakers' energetic talk, and felt that it was a good way to energise the workers at the start of the day. They then went on a HSE joint site inspection of Olefin-II process plants with our HSE officer and a Contractor representative.

The last agenda of the day was attending a 'Learning Incident Lessons' session conducted by our HSE Senior Officer. This is a monthly sharing session where near-misses, incidents from other companies and any other relevant HSE information are communicated to our employees and contractors. Safety videos and a refresher briefing on PCS Rules and Regulations were also presented.

At the end of the 3-day visit, SCC members expressed that they had had a fruitful trip, and were considering how some of PCS' HSE programmes could be modified and implemented at Sumitomo Chiba Works and other group companies. PCS members also learnt a lot about the culture and system of Sumitomo Chemical and Japan through the visit.



SCC members observing PCS Contractors conducting Tool Box Meeting



Seafood dinner hosted by PCS

Commendation for AETOS CPL Charlie Chow



Chong Hon Yeng
IT & Plant Services



Officers and staff from PCS Fire & Security and AETOS at the presentation ceremony



General Manager (Plant) Ng Chee Wai presented the Certificate of Commendation to AETOS CPL Charlie Chow, with Chief Fire & Security Officer Alfian Bin Zolkipli

A Certificate of Commendation was presented to AETOS CPL Charlie Chow by General Manager (Plant) Ng Chee Wai (Chairman of PEPS Steering Committee), for his vigilance in the detection of hazardous materials leakage of an ISO road tanker at the vehicle checkpoint of Singapore Petrochemical Complex on 2 Sep 2022.

On 2 Sep 2022 at about 11 am, while on duty at the Complex vehicle checkpoint, he noticed fumes and liquid coming out from

the left side of an ISO road tanker that was transporting hydrochloric acid. He stopped the tanker from entry and proceeded to guide the vehicle to reverse safely out of the checkpoint to the roadside. The incident was promptly reported to the Duty Sergeant. PCS Fire & Security responded to the leak at the site and activated SCDF. With the help of the salvage crew, the remaining content of the tanker was transferred to intermediate bulk containers (IBC).

AETOS CPL Chow was commended for his alertness and vigilance in discovering the

leak. His subsequent action to safely guide the vehicle to the open area at the roadside prevented the spread of hazardous chemicals in the Complex.

This occurrence was reported via the PEPS Find Scheme, which highlights to employees and workers to the importance of the early detection of abnormalities, unfavorable conditions, and hazardous / critical situations, and take corrective measures to mitigate process safety issues.

PEPS Dialogue 2022 on 17 Nov 2022



Chong Hon Yeng
IT & Plant Services



The PEPS (PCS Employees Participation Scheme) Dialogue, was held in person at the Admin Building T12 room on 17 Nov 2022. It is an annual event organized by the PEPS Steering Committee. The objectives are sharing good ideas and good work practices among functions, recognition of outstanding suggestions and suggestions that add value to our company, and learning from others.

The tagline for the dialogue is:



The session commenced with an opening address by General Manager (Plant) Ng Chee Wai, Chairman of the PEPS Steering Committee. He emphasized that PEPS is one of PCS's core programmes for HSE culture driving and plant reliability, and has an important role in contributing towards improvement in savings and revenues and work productivity.

For this year, the committee invited the Secretary of PCS's Sustainability Team, Er. Ee Boon Siong who presented a talk on Sustainability. The message is to raise awareness and to inspire workgroups to submit suggestions on sustainability, in line with the ongoing PEPS Sustainability



GMP Ng Chee Wai in his opening address

Campaign. He stressed that PCS is committed to being a responsible essential chemicals producer, supports the establishment of a sustainable society and the improvement of quality of life, and is working towards a low carbon essential chemicals producer.

The main highlight of the dialogue is the workgroup sharing, where 12 topics from various functions were presented. Examples of topics shared were an improvement for Closed-Circuit Television (CCTV) at the vehicle checkpoint, digitalisation of purchase orders, implementation of new vibration monitoring of compressor etc. All presenters received a token of appreciation.



Secretary of PCS Sustainability Team
Er. Ee Boon Siong presented a talk on sustainability

Also in the programme is the recognition of Olefin-II Team Libra's participation in the Team Excellence Assessment on 26 Sep 2022, where they presented "Modifications to Waste Heat Boiler to Improve Thermal Efficiency". The team members are Team Leader G Nagappan, Wong Tar Loong, Muhd Khairul Fitri, and supporting engineer Lin Yilin. Their concerted effort garnered the Star Award, which is the highest accolade in the assessment by the Singapore Productivity Association. They received the Certificate of Achievement from GMP.

The dialogue was indeed a good platform for sharing and learning from each other.



GMP presented the Certificate of Achievement to Team Leader G Nagappan (also received on behalf of Wong Tar Loong and Muhd Khairul Fitri)



GMP presented the Certificate of Achievement to Engineer Lin Yilin

Workplace Safety and Health Council Visit



Tan Peck Luan
HSE

On 8 November 2022, PCS hosted 5 visitors from the Workplace Safety and Health Council (WSHC), a statutory body under the Ministry of Manpower, that is supported by Tripartite Alliance Limited. WSHC works closely with the industry, unions, professionals, trade associations and other government agencies to raise WSH standards in Singapore.



Group photo of WSHC and PCS members

It was a visit that had been in the works for a long while but was put on hold due to previous COVID-19 restrictions. The main objective of the visit was for the WSHC staff to understand operations in a process plant and what process safety is, as well as to understand how SDM (Shutdown Maintenance) is planned and carried out.

PCS HSE and T&O members first presented to the WSHC staff on how Process Safety is managed in a MHI (Major Hazard Installation), and the management and control of SDM activities in PCS. They were also introduced to the various HSE culture driving programmes and activities that PCS have implemented in our company, such as BBS (Behaviour Based Safety), SOS (Speak Out for Safety) and STAR (STop And Report).

This was followed by a site tour to Olefin-II Plant, where the visitors were given an overview of how process units are operated and controlled in a petrochemical plant.

Close collaboration between government agencies and industry stakeholders is one of



Site tour to Olefin-II Furnace and Compressor units



Site tour to Olefin-II Central Control Centre (CCC)

the fundamental steps that can be taken to help raise the WSH standards in Singapore. As part of the chemical industry's community, PCS is honoured to be involved in the engagement, and looks forward to play its part in promoting safety and health at the workplace.

17th Asia Pacific Responsible Care Conference (APRCC)

The 17th
Asia Pacific Responsible Care Conference
2022 Taiwan



APRCC meetings are hosted by different national associations to experience different customs in other countries biennially, to share experiences in Responsible Care implementation, and efforts in health, safety, environment, and sustainability.

The 16th APRCC was held in Seoul, Republic of Korea, in November 2019. For the 17th APRCC, which was supposed to be held in 2021 in Taiwan, the Taiwan Responsible Care Association (TRCA) was looking forward to welcoming representatives from 17 countries of the Asia Pacific Responsible Care Organisation (APRO) in Taiwan and happily holding the biennial event. However, due to the impact of the COVID-19 pandemic, even with a one-year delay, there was still no opportunity to welcome delegates to Taiwan. Instead, the event went ahead virtually in December 2022.

The theme of the 17th APRCC is

“Responsible Care – Care for Society through Self-Discipline and Responsibility.”

Through self-discipline and continuous improvement in performance in health, safety, environment, and sustainability, it is hoped to achieve the goal of caring for society.

Singapore's participation is represented by HSE Manager, Er. Bernard Leong LW, through representation of the Singapore Chemical Industry Council (SCIC). SCIC is the National Administrator of Responsible Care programme for Singapore, a global chemical industry's initiative that drives continuous improvement in health, safety, environment, and sustainability.

At the 16th APRCC, PCS shared its insights on Process Safety, entitled “Six Senses for



Process Safety”. Building up on the need to elevate awareness of Process Safety Management and consequences of process safety incidents, this time PCS shared its emphasis on process safety key performance indicators (PSKPI), highlighting their importance, and how indicators can shed early information on potential threats and timely intervention in preventing incidents. The presentation also seeks industry norms, exchanges and congruence, in a sharing entitled “Congruence on Process Safety Performance Indicators (PSPI)”.

As a whole, albeit being held on a virtual platform, the conference has achieved its

objectives, and collectively, as Responsible Care signatories, aim for continuous improvement in performance in health, safety, environment, and sustainability.

It is believed giant leaps often start with small steps. Therefore, the global chemical industry is actively working hard to meet and even go beyond the legal requirements, hoping to overcome the challenges of climate change, become a solution provider, and fulfil responsibility as a member of the global village.



Major Hazards Symposium 2022



Wu Chong Wai, Roy
T&O

Major Hazards Symposium 2022 was held on the 10th November 2022. It was jointly organised by Singapore Institute of Technology (SIT) LEARN Professional Development and Society of Loss Prevention (SLP). The event was a half day virtual symposium where industry speakers were invited in an open dialogue to share their insights and expertise on 'Safe Plant Shutdown Maintenance to Prevent Serious Injuries and Fatalities (SIF)'.



The Symposium started with a welcome and opening remarks from Mr. Bernard Nee, Vice President (Industry & Community Group, SIT). Thereafter, Associate Professor Lim Kok Hwa, Director, Professional Officers Division, SIT shared on "Leveraging Process Safety Management for Plant Shutdown Maintenance". Industry speakers from Ministry of Manpower, and companies such as PCS and Emerson Automation Solutions were introduced to the participants followed by their sharing session.

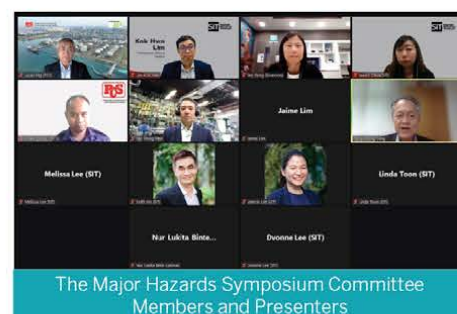
Ms. Jaime Lim, Director, Major Hazards Department, Ministry of Manpower, shared her insights on how "Major Hazard Installation (MHI) Regulations could Prevent Serious Injuries and Fatalities". She started by revealing how various measures were taken to strengthen Ownership, Oversight, Enforcement and Empowerment (O2E2) to curb the recent spate of fatal and serious accidents. Thereafter, a detailed presentation on the various components of the Safety Case was given – Quantitative Risk Assessment (QRA), ALARP Demonstration, Process Safety, Mechanical and Human Factors etc., including the evidence to submit for each section.

PCS is also honoured to have 2 speakers who shared their knowledge and experience during the symposium. The first sharing by PCS was done by Er. Lucas Ng H K (Senior Advisor, Head of Sustainability) where he shared about "Contractor Management & High Hazard Work Planning for Plant Shutdown Maintenance – Best Practice". The second sharing from PCS was done by Mr Alfian Zolkipli (Chief Fire & Security Officer), who shared about the "Code of Practice for Fire Safety for Open Plant Processing Facilities in Oil, Chemical and Process Industries". Thereafter, the symposium ended with a Q & A session as well as a closing speech from Mr Teng Chong Seng (President, Society of Loss Prevention).

This is the first time I attended the Major Hazards Symposium since I joined PCS. It



helped me to understand better on how certain regulations imposed by WSH (MHI) Regulations could prevent serious injuries and fatalities in the plant. One example is to demonstrate with evidence, adequate safety and reliability of control measures through a robust system in place. Also, a safe and successful shutdown maintenance can only happen when there is Adequate Work Planning, Shutdown Maintenance Contractors Selection and Acquisition, One-stop Shutdown Maintenance Management, Holistic Workplace Safety and Health Activities.



The Major Hazards Symposium Committee Members and Presenters

Industrial Energy Efficiency Sharing Session (IEESS) 2022



Francis Tan
T&O

In lieu of the annual Energy Efficiency National Partnerships (EENP) Awards ceremony, the National Environment Agency (NEA) organised the Industrial Energy Efficiency Sharing Session (IEESS) 2022, at the Devan Nair Institute of Employment and Employability on 28 September 2022 from 12 pm to 6 pm. Since this was a hybrid meeting, the breakout session is not available for virtual participants.

The theme based on the plenary session title was **“Moving towards low carbon future for industrial sector.”** An estimated of 300 participants, which is the capacity of the exhibition hall, had gathered physically, to advance our aspiration of low carbon future through sustained energy efficient operations. Exhibition booths were also set up for connections with providers of energy efficiency solutions.

Opening address – By Group Director (Resource Sustainability)

In the opening address by Group Director (Resource Sustainability), NEA, Mr Cheang Kok Chung, informed that there is a total of 343 EENP partners to date. EENP partners continued to display exemplary behavior in improving energy efficiency. Industrial Energy Efficiency (IEE) remains a key enabler and bed rock for energy efficient intensive sector with energy efficient technologies for future carbon pathways.

Following the opening address, there was a keynote presentation followed by plenary and breakout sessions.

Highlighted here are three takeaways:



Takeaway 1: The role of financial institutions in energy transition

The role of financial institutions such as in the deployment of viable technological solutions was also highlighted. Other stakeholders ranging from regulators, standards-makers and consumers whose expectations continue to evolve, all have a role to play in this energy transition, as further added by Mr Praveen Tekchandani, keynote presenter, Partner, Climate Change and Sustainability Services, Ernst & Young LLP.

Photo 1 – Keynote presenter, Mr Praveen Tekchandani, Partner, Climate Change and Sustainability Services, Ernst & Young LLP, who highlighted the role of financial institutions in achieving net zero commitments. The title of his presentation is **“Moving towards a net-zero future.”**

Takeaway 2: Technology upgrade to de-carbonise while developing alternatives low carbon fuels

The ever-growing energy demand to meet the country's economic growth will face the challenge of transiting the production of energy to a more sustainable manner. As such, essential chemicals including oil & gas industries have invested in sustained energy efficient efforts & technology upgrade such as gas turbine

Photo 2 – Plenary session speaker, Mr Rajagopalan Venkataraman, Technical Director, Singapore Chemical Plant from ExxonMobil Asia Pacific Pte Ltd, who spoke on the dual challenge of energy demand with economic growth. The title of his presentation is **“Towards a lower-emission future.”**



generators using either in-house fuel gas (if not utilised, would have to be flared off, generating GHGs without useful work) or low carbon fuel like natural gas instead of liquid diesel. The next engineering technology upgrade is large scale deployment of Carbon Capture Utilisation Storage (CCUS), which is currently primarily used in enhanced oil recovery, for difficult to carbon abate industries..

Photos 3 – Plenary session speaker, Er Tan Seng Chuan, Managing Director, TEMBUSU Asia, who touched on role of businesses and local policy makers/financial institutions transition to low carbon economy. The title of his presentation is “Role of energy management in SMEs’ decarbonisation journey and sustainable finance.”



3.

4.



Takeaway 3 : Whole of Industry effort collaborating with local policy makers/financial institutions for low carbon future

During the plenary session Q&A, one interesting question posed was around the subject of “talent” and what should companies look out for when aspiring for net zero ambition?

Personally, I think that the multi-pathways for low carbon future requires engineering application of existing technologies and understanding of emerging technologies know-how. Hence, it requires a sustainable supply of talent pool for energy efficiency practitioners to perform the necessary technical and economic evaluation in order to make a better informed decision for low carbon future. The local policy makers’ role is to continue to fine tune the policies to further incentivise decarbonisation projects, especially within the confines of brownfield plants in a more sustainable approach. Hence, it was relevant that the last speaker, Prof Lock Kai Sang, Professor (Engineering) & Head, Energy Efficiency Technology Centre, Singapore Institute of Technology, shares the importance of continuing to upskill energy professionals and training of talents besides building capability for SMEs.

Photos 4 – Plenary Session Q&A, from left to right – Moderator Dr David Broadstock, Senior Research Fellow, Energy Studies Institute, NUS, Mr Rajagopalan Venkataraman, ExxonMobil Asia Pacific Pte Ltd, Mr Guillaume Darmayan, Head of Regional Business Development, ENGIE South East Asia, Mr Praveen Tekchandani, Ernst & Young LLP and Er Tan Seng Chuan, TEMBUSU Asia



5.

Photo 5 – Breakout session Track 1 speaker, Prof Lock Kai Sang, Professor (Engineering) & Head, Energy Efficiency Technology Centre, Singapore Institute of Technology, who also spoke on the role of energy efficiency practitioners in our aspiration of low carbon future. The title of his presentation is “Energy audits for manufacturing SMEs: The driver for energy efficiency journey and carbon footprint reduction.”



NEA, EETC and Energy Efficiency Solutions providers coming together with their respective exhibition booths

PCS Internal Auditors Training

Understanding & Implementing Environmental Management System (ISO 14001:2015), Safety & Health Management System for Chemical Industry (ISO 45001:2018 & SS 651:2019)



A John
HSE

Audit is defined as a:

“Systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which audit criteria are fulfilled.”

Internal auditing is one of the most powerful safety monitoring techniques and an effective way to avoid complacency and highlight slowly deteriorating conditions, especially when the auditing focuses not just on compliance but effectiveness of Safety & Health and Environmental Management System implementation.

Internal Auditors' roles include

- ✓ **Monitoring**
- ✓ **Assessing**
- ✓ **Analysing organizational risk and controls**
- ✓ **Reviewing and confirming information and compliance with policies**
- ✓ **Procedures**
- ✓ **Legal requirements**



Internal auditors sometimes look at the same data or perform some of the same steps as external auditors. Internal auditors' main objectives are to find problem and fix it before external auditors review our practices.

PCS was certified under the Integrated Management System (IMS) consisting of Environmental Management System (ISO 14001:2015), Safety & Health Management System for Chemical Industry (ISO 45001:2018 & SS 651:2019) and part of the requirement for continued certification is to carry out internal audit. Internal auditor training is core training requirement for PCS' executives who will then be appointed by Management to perform the role of internal auditor.

As part of PCS succession planning to train new internal auditors, a total of 28 participants, 26

from PCS (various Functions) and 2 from PCCA were nominated to attend a 3 days internal auditor course conducted by Your Safety Partners Pte Ltd (YSP) from 01 to 03 November 2022. The course is designed to equip internal auditors with knowledge necessary to understand and audit PCS's Integrated Management System (IMS) of ISO-14001, ISO 45001:2018 and SS 651:2019.

Participants were grilled relentlessly on the finer technique of seeking and collecting objective evidence during the auditing process.

After 3 days of training with classroom exercises and case studies, participants were provided with comprehensive knowledge and practical skills necessary to be an effective internal auditor which includes:

01



An appreciation of the importance and approach to internal audit independence, objectivity and how to achieve internal audit quality assurance.

02



Clear understanding of enhanced requirements of the process approach and the use of the process model to prepare for an internal audit.

03



To audit the effectiveness of processes implementation, taking into consideration the context of organization, risks and opportunities, monitoring and measurement requirements.

04



To audit the organisation's own requirements for its Environment, Safety & Health management system, including its policy and objectives, effective implementation, maintenance and identification of improvements.



Participants listen attentively to the trainer
Ms Rebekah Yap



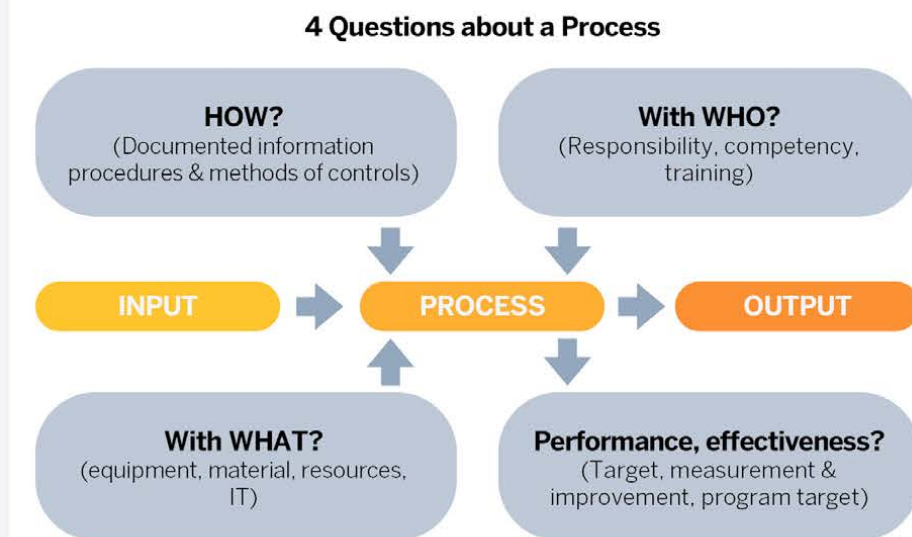
Participant presenting their audit findings



Group photo with Ms Rebekah Yap and HSE Manager Er Bernard Leong

Diagram showing the Process Approach auditing to provide sufficient coverage of the audit for each process

-  **WHO**
responsibility, authority and competencies required.
-  **WHAT**
kinds of resources needed to perform the process.
-  **HOW**
controls methods to achieve desired results.
-  **EFFECTIVENESS**
objective/target for the process, plus measurement & improvement.



PCS Host Training for LSP in September 2022

In the spirit of sharing best practices with ROPTC (Regional Olefins Producers Technical Committee) members, PCS has accepted Long Son Petrochemicals (LSP)'s request to share knowledge, experience and safe plant operations that PCS has gained over past many years.



Screenshot of the attendees on the first day of the host training

The association between PCS and LSP was validated by Technip Energies (originally Stone & Webster), as they are the licensor for both plants.

Long Son Petrochemicals Complex is an integrated petrochemical complex located in Long Son Commune of Ba Ria-Vung Tau Province, Vietnam – about 100km from Ho Chi Minh City. This integrated petrochemical complex is a fully invested company of Siam Cement Group (SCG) from Thailand, and will have a total olefin production capacity of 1.6 million tonnes per year.

The training was initially planned to be carried out in Singapore in first quarter of 2022. However, due to border restrictions and the Safe Management Measures (SMM) imposed during the COVID-19 pandemic, it was held virtually over six days in July and September 2022.

Topics shared are PCS experience on plant start-up, normal operation and shutdown, including plant upsets and emergency cases.

PCS staff involved in this training were Tan Thian Chye, Ho Wai Khoon, Mohd Faizal Bin Junus from Olefin-II, SK Sarkar, Ee Boon

Siong, Foo Suan Kim, Ho Yeow Hsing and Calvin Neo from T&O, and Chong Hon Yeng and Low Kia Loon from ITPS.

On the first day of the host training, Mr Lucas Ng gave the opening welcome address. Mr Leonard Chong and Ms Lee Wai Chyn ended the sharing session with closing speech.

As the saying go, teach to learn – while we teach, we learn. At the end of the six-day training, the sharing experience was beneficial and fruitful for both PCS and LSP.

PCS DINNER & DANCE 2022



Kew Jia Ming
Marketing & Sales

After a long 4-year hiatus from our last Diner and Dance(D&D) in 2018, finally PCS had our D&D on 19th Nov 2022 at the Regent Hotel's Royal Pavilion Ballroom. In line with the many sporting events in the year (especially the FIFA World Cup 2022 which coincidentally started one day after our D&D), the theme for this year's D&D is "Ready, Set, Glow".

On the day, it was great seeing all our colleagues dressing to the theme, with many of them wearing sports attire and even some of them wearing coordinated attire within their function. All of them were excited about the programme for this year's D&D and even more so knowing that this year, we would have a big list of lucky draw winners (more than 100 main draw prizes and 9 special draw winners). The early birds also participated in the various mini-games conducted just outside the ballroom and also had their photographs taken with their colleagues behind unique and special backdrops.

At 7.30pm, our D&D night officially began. After a quick fire safety briefing, our emcee of the night, Mr James Yang started some simple icebreakers and nominated table leaders. Next, we had our welcome address by our SSRCC Chairperson Sarkar and our opening speech by our MD Shibayama-san. By then, everyone was hungry and we started tucking into our first dinner course of the night.



Midway through our dinner, we had our first performance of the evening. We were serenaded by the wonderful singing performance by our Business Development & Planning colleague Hui Qin, who sang 'When We Were Young' as well as '小幸运'. Viclaus from Purchasing then followed up with a Sing and Dance performance of the song '你是我的花朵'. A fun fact is, Hui Qin and Viclaus were two of the winners from the PCS Online Talent Show Challenge that was held earlier in the year. For our next activity, our emcee called 5 of our table leaders up to the stage and played the classic game Telephone where a word or phrase is passed down only through acting it out. Through this game, we also understood the importance of communication. All the audience had a good laugh when we saw how the acting got distorted as it reached the last person.



badminton attire and even one in bike racing attire coupled with an umbrella girl (role played well by his wife). Everyone cheered on their colleagues as all of them catwalked on stage to showcase their sports and glowing attire. Finally, we reached the Grand Lucky Draw segment where our DMD picked the prizes of 10th to 4th and MD picked the top 3 prize winners as well as the 9 Special Prize winners.

The SSRCC would like to congratulate all our lucky draw winners, and we hoped everyone had a great night chatting and participating in our D&D. See you all at the next D&D!



Next, we had two Soccer Freestylers put up a show with some amazing tricks on the ball. Three of our colleagues also went up on stage to try some of the ball tricks. The main highlight of our D&D, the Best Dressed Competition was up next. Four Male and Female Colleagues competed to be crowned Mr & Ms PCS Best Dressed. We saw colleagues decked in golf, basketball,



ChemEx 2022

The Chemical Industry Experience (ChemEx) is an annual industry profiling event to raise awareness among tertiary students of career opportunities in the oil & gas, petrochemical, chemicals & energy industries. This year's ChemEx 2022 was held on 29th October 2022 with students from chemical-related courses from nine Institutes of Higher Learning visited Jurong Island. A total of fourteen participating companies collaborated with the Singapore Chemical Industry Council (SCIC) to host plant visits and interactive booth sessions. PCS proudly hosted students from the School of Life Science and Chemical Technology, Ngee Ann Polytechnic.



Calvin Neo
T&O

The plant visit started with a group photo-taking session followed by welcoming the students with light refreshments. The scale model of the Singapore Petrochemical Complex was showcased to show the synergy of PCS integration with its downstream companies in Pulau Ayer Merbau.

To showcase career experiences in the Petrochemical industry, topics on "Job Scope and Challenges" and "Why I choose to work in PCS" were shared by TNO engineers, Mr Calvin Neo and Ms Lin Yilin. Some of the current challenges shared were on climate change and decarbonisation. On the fun side, Mr Calvin Neo and Ms Lin Yilin shared various recreational activities such as Futsal, Durian Fest and Dinner & Dance. PCS Deputy Managing Director, Mr Chiew Nguang Yong, took the opportunity to share the importance of the petrochemical industry in creating many items used in our daily lives and encouraged students to take on the challenge to join the petrochemical industry.

After the sharing sessions, the students were given an opportunity to engage with HRA and TNO members in a Q&A session. The plant visit then ended with a bus tour around the Singapore Petrochemical Complex with TNO engineers as bus guides.

After the plant visit, the students were invited to the marquee area located at Oasis@Sakra for further interaction with other industry ambassadors.

ChemEx 2022 was indeed an enjoyable opportunity for me to share my personal experience with the students in the Petrochemical and Chemical Industry.



PCS group photograph for ChemEx 2022 at Oasis @Sakra marquee area



Students visiting the booths at Oasis @Sakra marquee area



Students at the PCS Booth



Mr Gerald Lim, HRA officer giving an introduction to the students



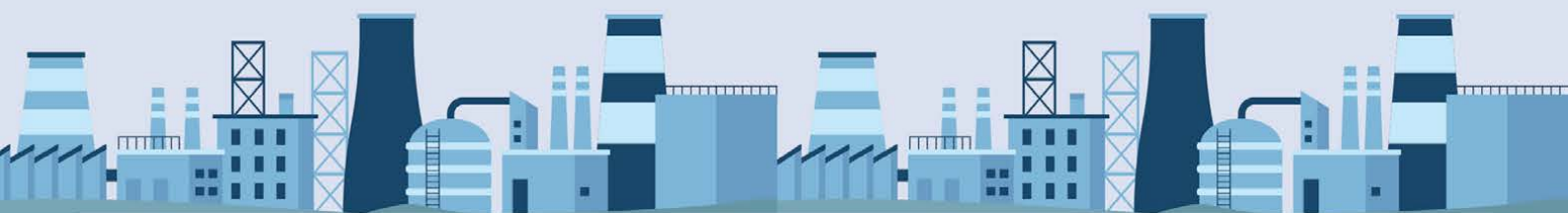
Students listening to introduction by HRA



Students being introduced to the scale model of Singapore Petrochemical Complex



Group photograph at PCS's "Ethylene Molecule"



GMP CUP 2022



Sarveen Raj Selva Raju
Olefin-I

SATURDAY 1ST OCTOBER 2022, an exciting futsal tournament that everyone looked forward to post-COVID, the talk of the tournament among the employees of PCS. This tournament took place at Golazo Futsal, in Jurong West. There were a total of 8 teams from various functions, and the round-robin tournament was full of excitement and curiosities. All the teams played to their best abilities and put in an exciting fight to get to the table top, with the players displaying amazing futsal skills and performance throughout the tournament. The ultimate winner goes to the team from Olefin-II.

It was such a perfect space and opportunity for the employees to bond, and seeing how our colleagues from various functions got together and participated in the games after two-and-a-half years of the COVID pandemic, it warms the cockles of the organisers' hearts! One thing for sure is that we will be looking forward towards another exciting tournament next year.





Wine Appreciation 2022



Cerine Lim
HR & Admin

The 2022 Wine Appreciation event was held at Wine Mansion on 25 November. Notably the outlet at Keong Saik Road is Wine Mansion's flagship store. First impressions upon stepping in, the ambience was festive and cozy, felt like Christmas is already here!



The event started off with Mr Stefan Ng, an experienced sommelier, giving an introduction to the Old World and New World wines. He led us through each of the wines, allowing us to appreciate and better understand the taste, while sharing the techniques of wine tasting. The menu this year included five types of wines and western fusion food platters (Crispy Calamari, Harissa Eggplant, Margherita Pizza, Steak Bites, Pork Knuckles) to complement the drinks.

We started off with *Veneto Gancia Prose Blanc* from Italy, a sparkling wine, that has aroma of acacia, peach blossom and rennet apple. The second wine of the night was the *Alsace Domaine Ruhlmann Sylvaner* from France, followed by *Barossa Valley Lambert Estate A Thousand Words Chardonnay*, with the latter giving a creamy texture.

Moving on to the reds, we tried the wine from France, *Medoc Chapelle de Potensac*. Stefan highlighted that the *Barossa Valley Lambert Estate Forgive Me Zinfandel* exudes a beautiful bouquet of sweeter spices and jammy notes that complement each other, and it blends perfectly with hints of vanilla and oak that come through. For dessert, we had scotch-infused brownie with ice cream to round up the evening.

There were great interactions amongst colleagues and lots of toasting; the night was certainly filled with delectable wines, food and wonderful companionship. On behalf of SSRCC, I thank everyone who took their time to join us and I hope you have enjoyed it as much as I did. Cheers!



Deep Water Fishing at East Coast of Peninsula Malaysia



Tio Gian Leng
IT & Plant Services

Once again after a 2 ½-year wait, our fishing kakis finally went on a 5-Day-4-Night fishing trip to Tioman Island in Pahang, Malaysia on 30 August 2022. This is a long-awaited fishing trip since mid-2019, when our regular event was interrupted by border lockdowns between Singapore and Malaysia due to COVID-19 pandemic. We all were excited about it and hoped for nice weather and good catches.



Tioman Island lies 67 kilometres off the east coast of Peninsular Malaysia, in the South China Sea. Fishing is allowed from 2 nautical miles near the island reefs all the way to deep sea fishing in blue waters offshore. Fishing enthusiasts can enjoy some of the great catches ranging from Wahoo, Sailfish, Mahi-Mahi (Dorado), Marlin, Spanish Mackerel to reef dwelling fishes such as Grouper and Snapper. East of Tioman Island, the waters are deeper and here you will find nicely-sized Mahi-Mahi and Black Marlin. There are many Fish Aggregating Devices (or FADs) in the area that trap a lot of Mahi-Mahi and other game fishes like Cobia, Narrow Barred Spanish Mackerel and Sailfish. South of Tioman at Palau Aur and Palau Pemanggil, the fishing of Narrow-barred King Mackerel and bigger Marlin, and bottom fishing / jigging for other species are good alternatives to the game fishing.

The weather was fine and sea was calm this time, so we began by first catching many live bait fishes and keeping them alive. Life bait fish is useful during fishing process because their wriggling in the water attracts big fishes. When we arrived at the skipper's marked location, we rigged these bait fishes to the hook, cast them out to the sea and waited for big catches. Almost immediately, sharp dragging was observed on the reel and the fishing rod was being pulled down as

if it was going to break anytime. Someone quickly picked up the rod and started a tug-of-war with the fish. After some time, a nicely sized of Spanish Mackerel was hauled up and brought onto the boat.

On the following day, we headed south towards the deeper waters between Pulau Tioman and Pulau Pemanggil, where the waters are 70 meters deep or more. Fish finder device was used to locate fishes. We dropped the line when we detected big fishes on the fish finder screen. When the boat started drifting away, we needed to reel up the line. These were numerous tiring motions as we had to repeat these steps many times. However, huge efforts come with big rewards. Our catches of the day comprised 5 kg and 8.2 kg Red Snappers, a 3 kg Grouper and a 6 kg Cobia. The highlight of our trip was when a line was being dragged downwards forcefully indicating a big fish was hooked, and indeed we hauled up a 12 kg Grouper, the largest catch of the trip.

After three days of fishing and all the hard work on the seas, we finally returned to Rompin safely on Day 5. Recounting all the events of the trip, it was awesome and inspiring. We are happy not only with the catches, but also being together with the kakis, comprising both PCS & PCC members.





Employee News

HEARTIEST CONGRATULATIONS

marriage

NAME	FUNCTION	SPOUSE
Dharmaraj Anbazhagan	Olefin-I	Anusha Muthuraman

births

NAME	FUNCTION	NEW BORN
Eugene Koh	Maintenance	Boy
Soo Jun Hao	Maintenance	Girl

NEW EMPLOYEE



Mr Javin Toh Wei Xiang

HSE, HSE Officer

Joined - 1 November 2022

Hobbies : Reading & Exercising

LONG SERVICE

Award Recipients for
Mar-Dec 2022



10-Year

Bobby Tan Wei Cheng	Olefin-I
Mohamed Yusri bin Mohamed Nassir	Olefin-I

15-Year

Ng Chooi Keen	Account & Finance
Lionel Cai	Engineering
Liew Hong Chye	Olefin-I
Khoo Wei Hang	Olefin-II
Ibrahim bin Zakaria	Olefin-II
Hairil Ashraf bin Mohamed Amin	Olefin-II
Ng Chai Ling	Technology & Optimization

20-Year

Lim Yeong Hann	Olefin-II
----------------	-----------

25-Year

Lim Bee Suan	Account & Finance
Tan Peck Luan	HSE

30-Year

Lee Wai Chyn	IT & Plant Services
--------------	---------------------

35-Year

Ng Sock Huang	Maintenance
Sally Ong Chin Lan	Olefin-II
Nordin bin Sarip	Olefin-II
Fong Kim Siew	Olefin-II

40-Year

Ahmarapala s/o J A John	HSE
Cheok Fook Hoong	Maintenance
Woon Hwee Seng	Olefin-I
Ong Chong Khoon	Olefin-I
Tan Kim Hua	Olefin-I
Lur Hwee Chow	Olefin-I
Wee Chin Thuan	Olefin-I
Chng Chee Hwee	Olefin-I
Tan Chee Wee	Olefin-I
Ku Yui Siang	Olefin-I
William Wong Kwok Wah	Olefin-I
Abdul Hadi bin Alias	Olefin-I
Ng Mong Hen	Olefin-I
Mohammad Anuar bin Salleh	Olefin-I
Mohamed Ikbar s/o M P	Olefin-II
Ho Wai Khoon	Olefin-II