



Petrochemical Corporation of Singapore (Private) Limited



Annual PCS-Contractors HSE Meeting 2022

Review of HSE Performance for 2021

Ms Tan Peck Luan
Senior HSE Officer

21 January 2022



Review of HSE Performance



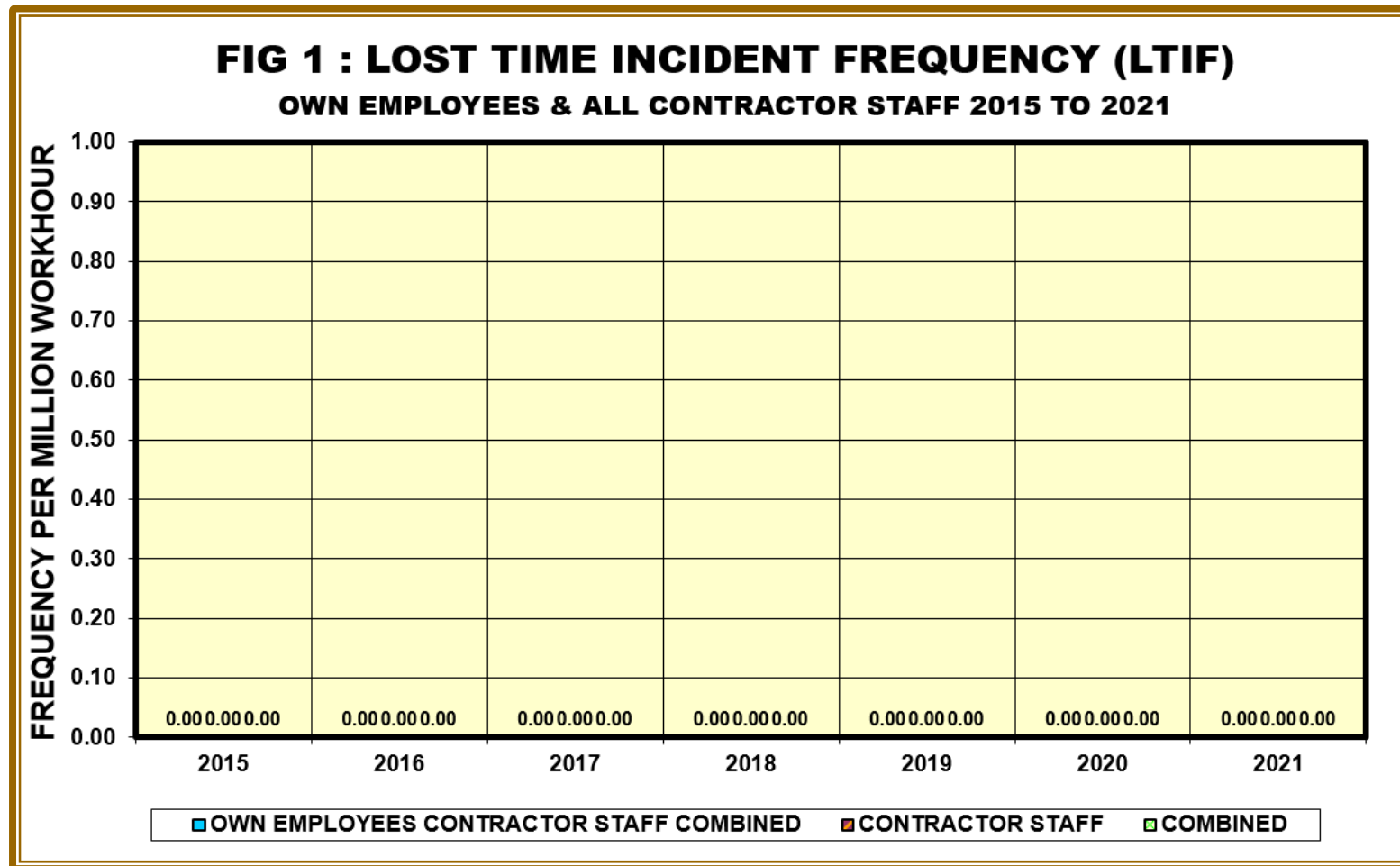
1. Safety & Environmental Performance

(a) Employees and Contractors Worked Hours in 2021



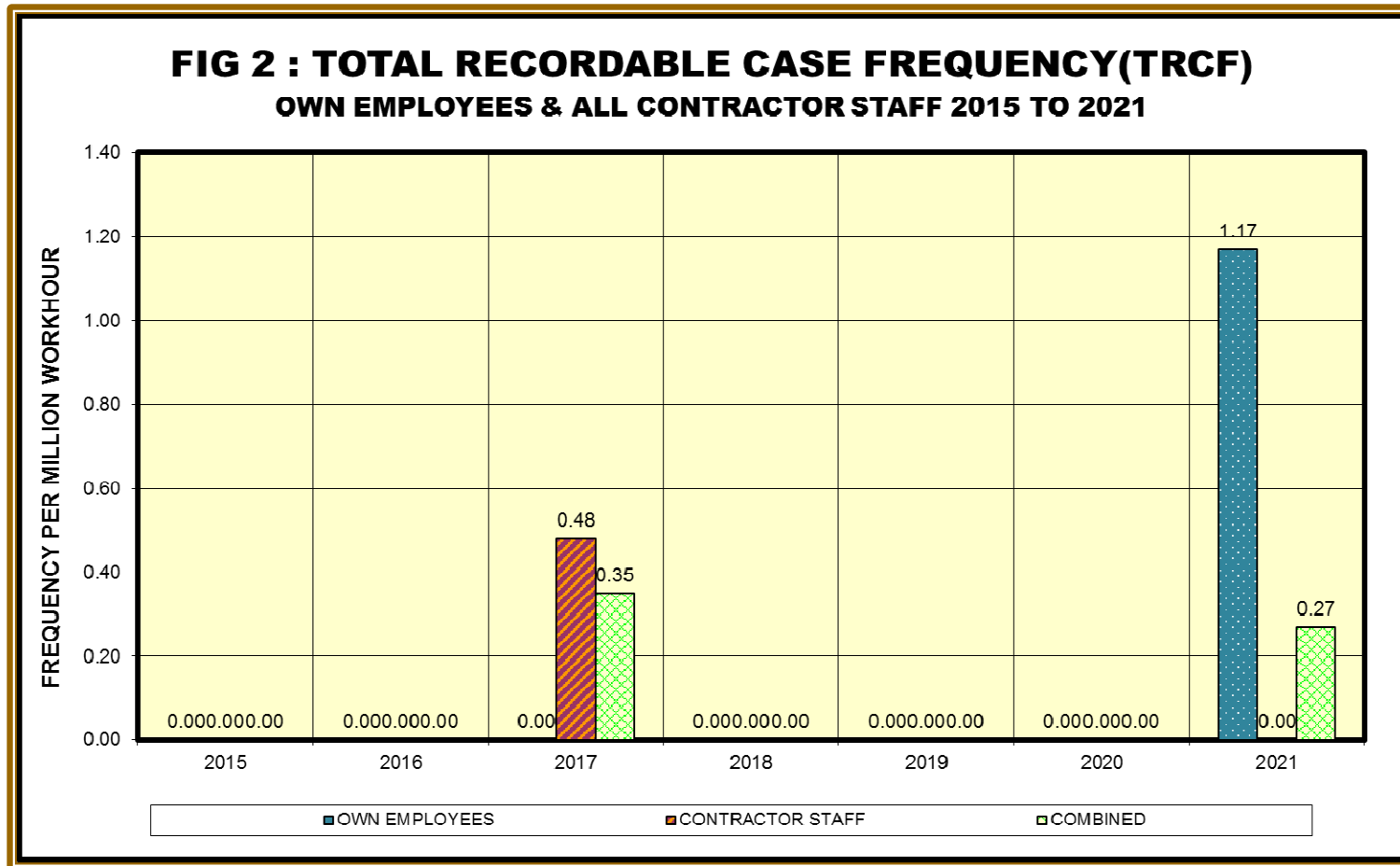
1. Safety & Environmental Performance

(b) Lost Time Incident Frequency [LTIF]



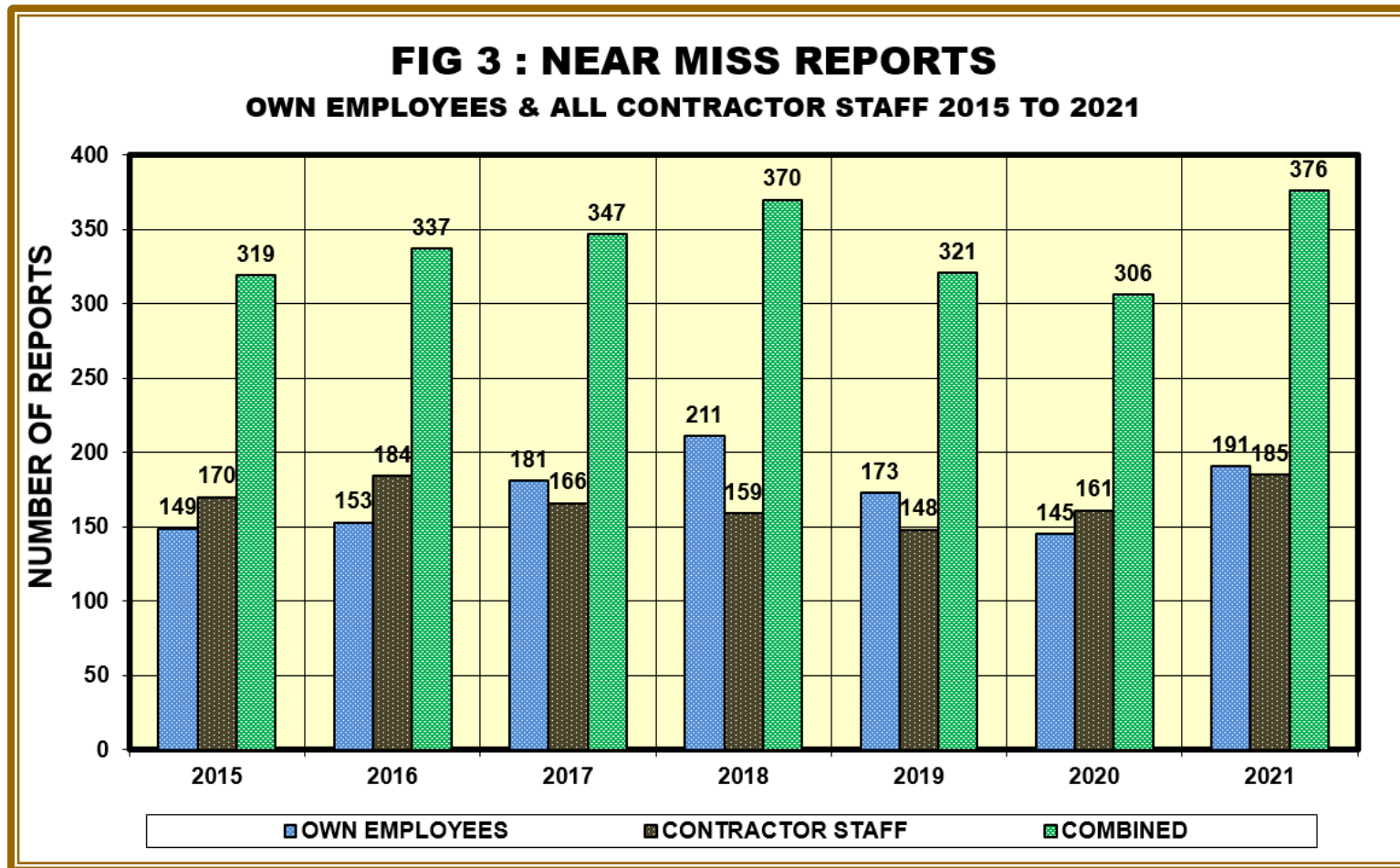
1. Safety & Environmental Performance

(c) Total Recordable Case Frequency [TRCF]



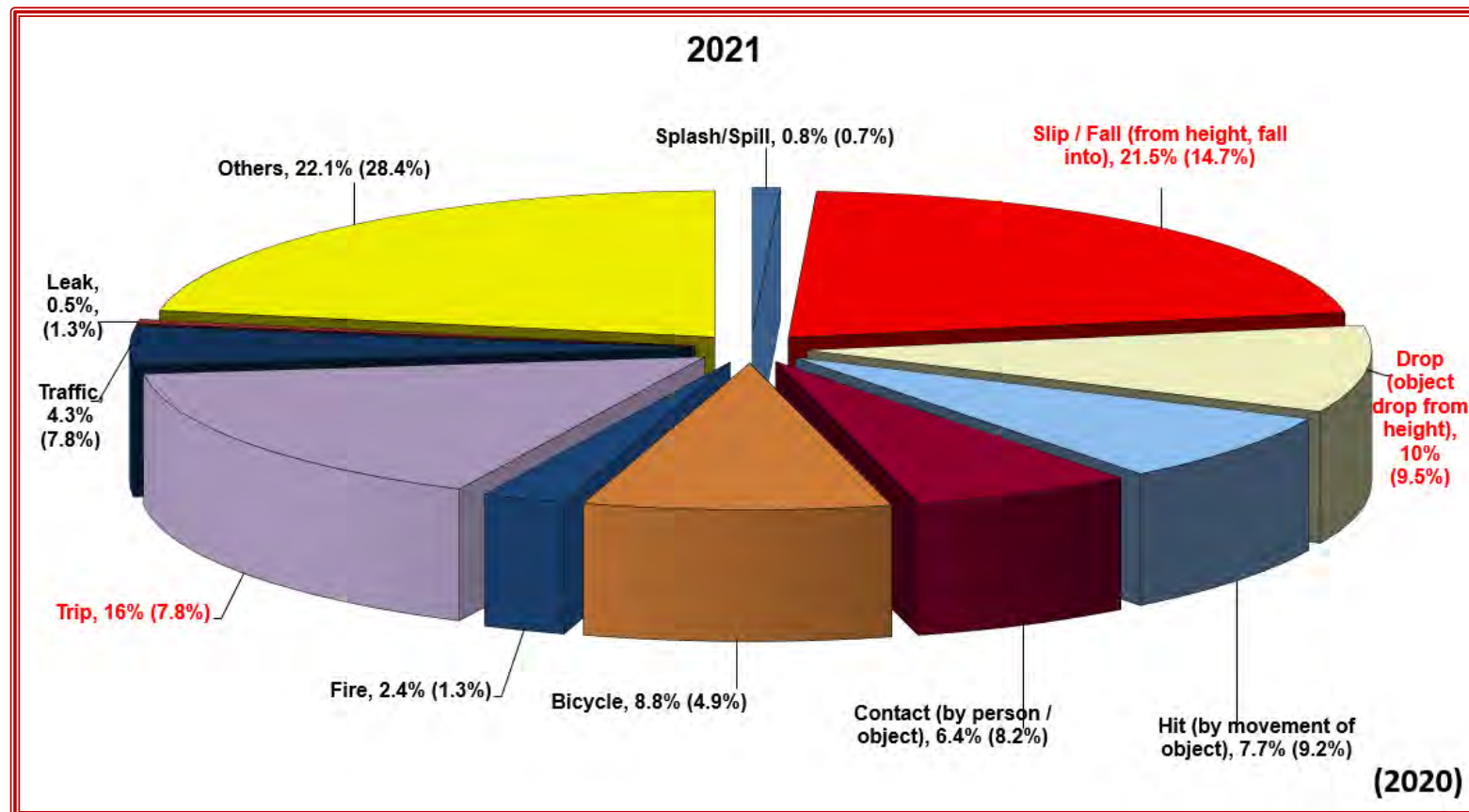
1. Safety & Environmental Performance

(d) Near Miss Reports [NMR]



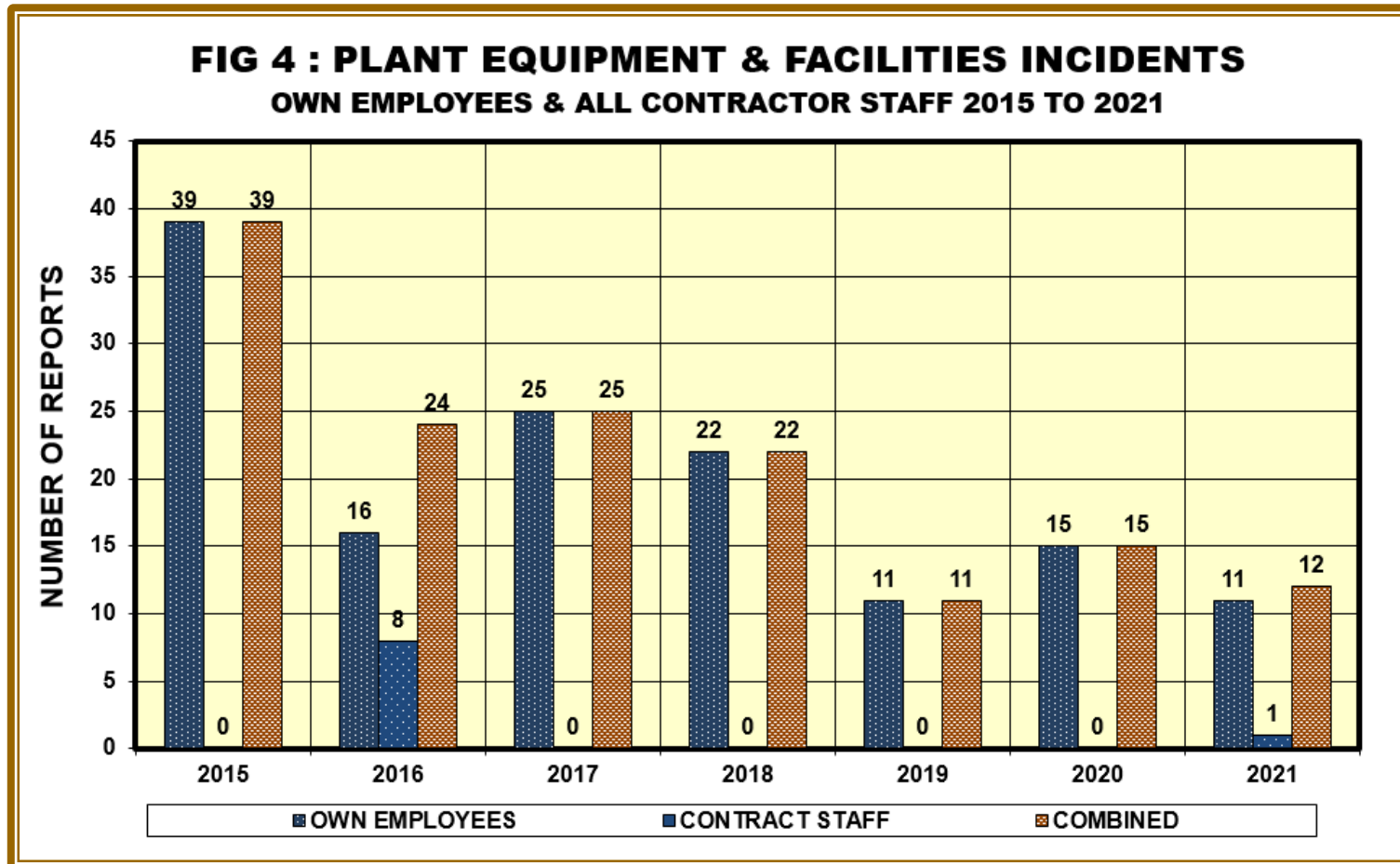
1. Safety & Environmental Performance

(e) Breakdown of Near Miss Reports [NMR]



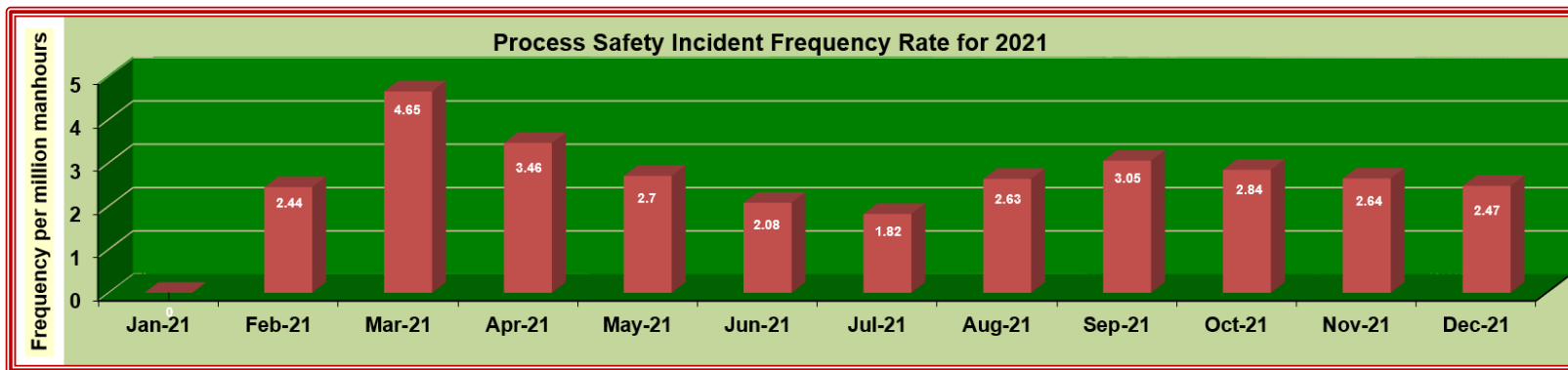
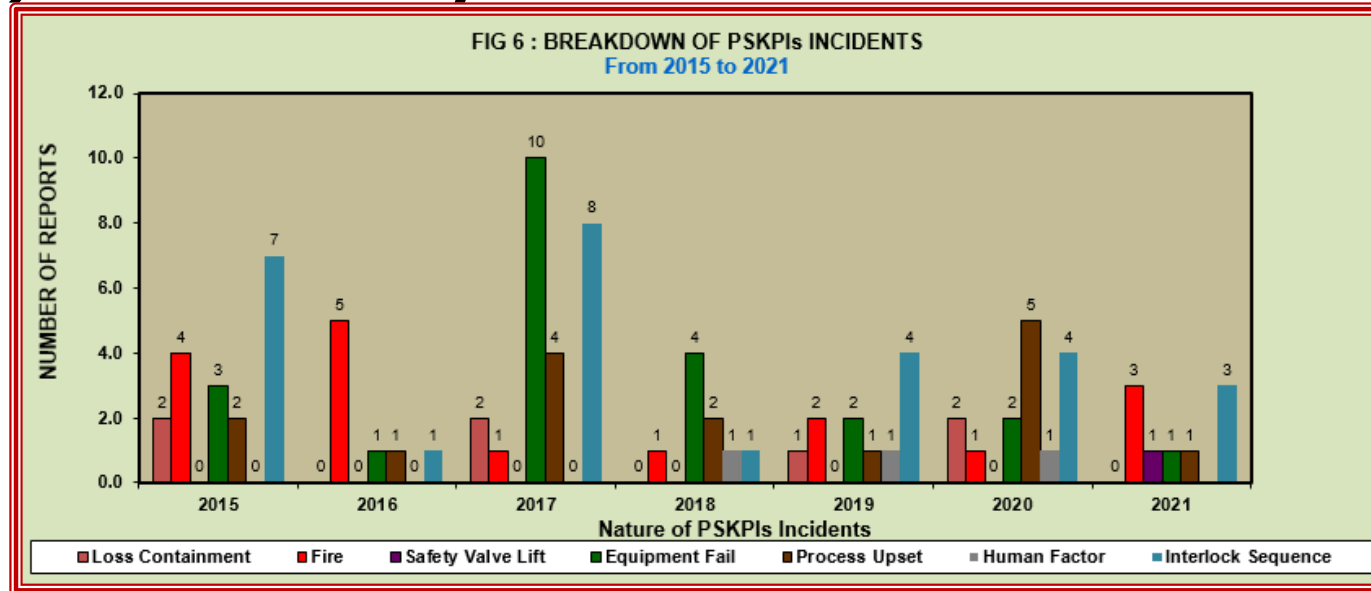
1. Safety & Environmental Performance

(f) Plant Equipment / Facilities Incidents [PEF]



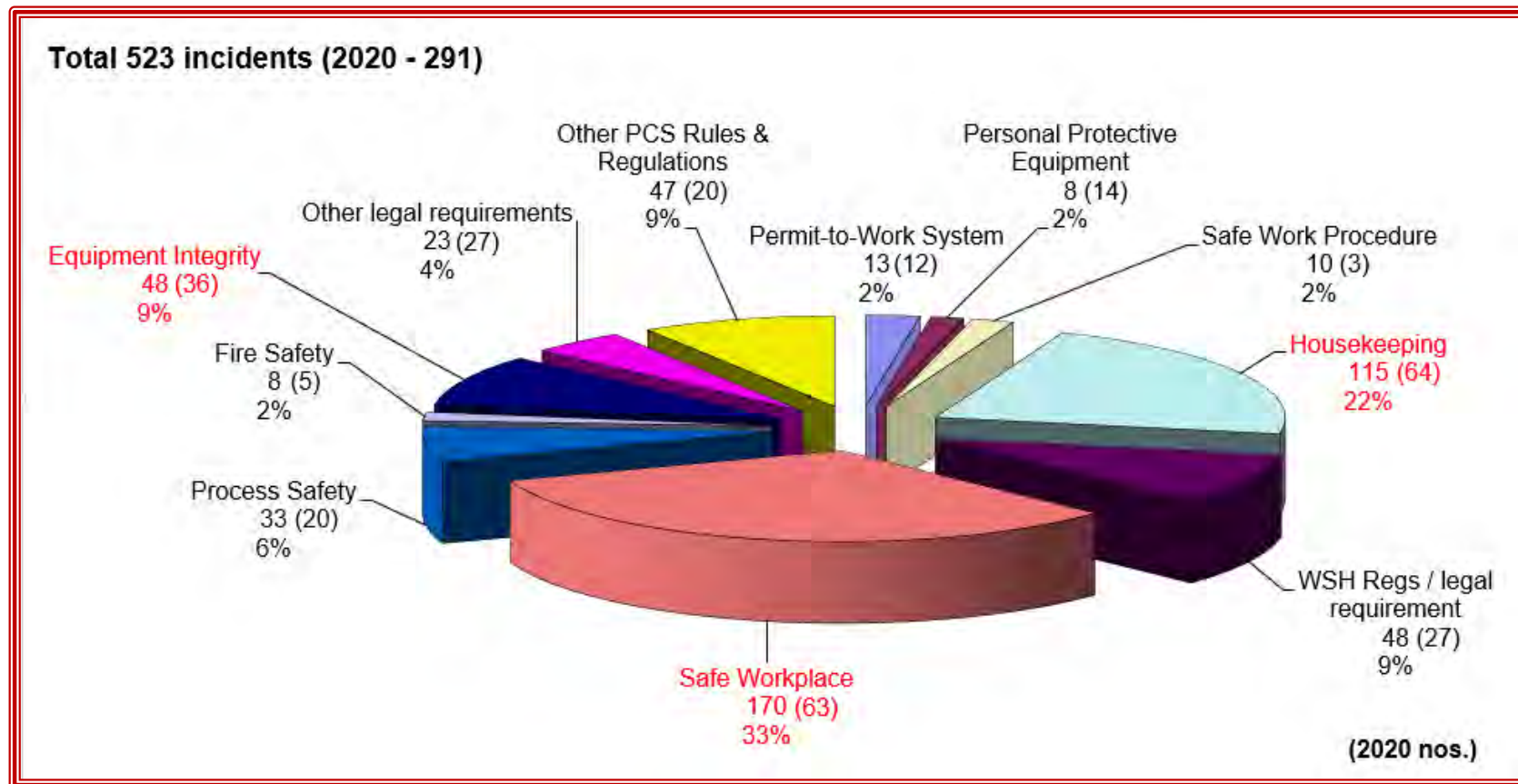
1. Safety & Environmental Performance

(g) Process Safety Performance



1. Safety & Environmental Performance

(h) Nature of Observations/Violation/Breaches - 2021 (HSEO site visit)



1. Safety & Environmental Performance

(i) Environmental Performance

- No major environmental incident in PCS
- Meeting National Environment Agency limits on air emissions and trade effluent discharge



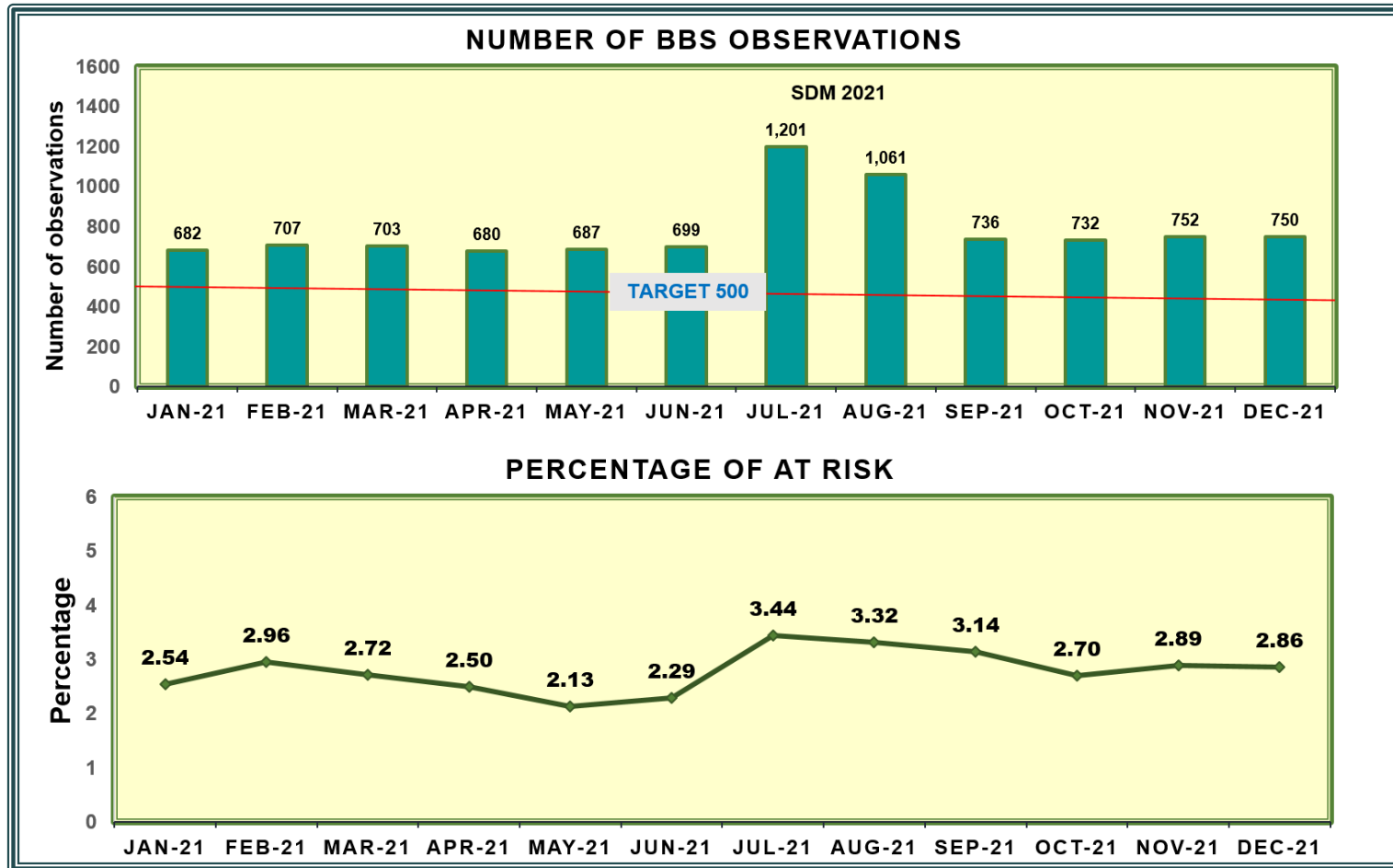
2. Behaviour Based Safety (BBS) Activities



- a. BBS Observations
- b. Nature Of Behaviour Based Safety Observation
- c. Monthly Exemplary Safe Staff / Worker Role Model
- d. BBS TRUsT Champion Award
- e. SDM 2021 BBS Activities
 - High Intensity BBS TRUsT Observation (HIBTO)
 - SDM 2021 BBS Star Models

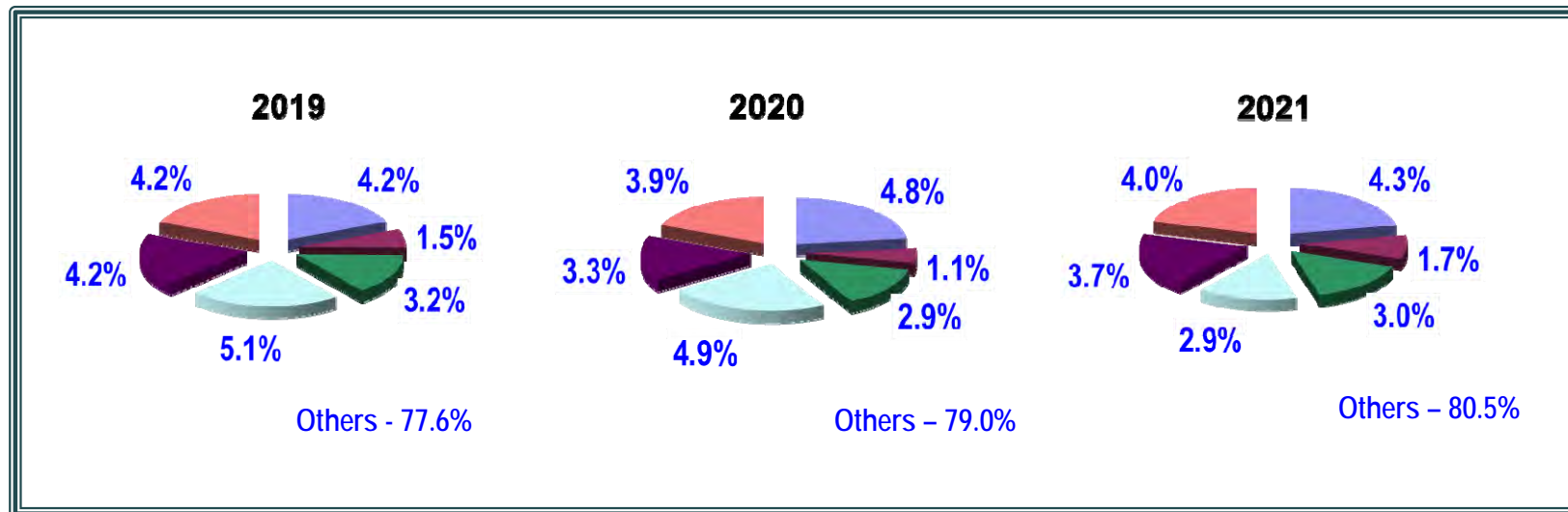
2. Behaviour Based Safety (BBS) Activities

(a) BBS Observations



2. Behaviour Based Safety (BBS) Activities

(b) Nature Of Behaviour Based Safety Observation






2. Behaviour Based Safety (BBS) Activities

(c) Monthly Exemplary Safe Staff / Worker Role Models

- ❑ Started since June 2015
- ❑ Each month, a PCS staff and a contractor worker are selected by the BBS Steering Committee for demonstrating safe and good work behaviour and practices
- ❑ These role models will each receive a token appreciation of S\$50 and acknowledged accordingly on our notice boards and LCD media displays

2. Behaviour Based Safety (BBS) Activities

(c) Monthly Exemplary Safe Staff / Worker Role Models




BBS EXEMPLARY SAFE STAFF / WORKER ROLE MODEL

DECEMBER 2021

Congratulations to
our Role Models for
their positive
behaviour and safe
work attitude
demonstrated!


Keep up the good
work!



MR MUHAMMAD FARHAD BIN HASHIM
LEAD TECHNICIAN
OLEFIN-I

When opening isolation valve of drain points to check for remnant hydrocarbon in the process system or equipment after hydrocarbon-freeing operation, I always position myself away from the path of liquid / hydrocarbon vapours that might be released.



[CBI 1.1: Line of Fire]



MR THANT ZIN HTUT
INSULATION WORKER
MEISEI INTERNATIONAL PRIVATE LIMITED








As an insulation worker, it is important to know the usefulness of basic PPEs and understand how they can protect me & my co-workers from injuries. To work safely, I will always comply with putting on all the required PPE and ensure all my co-workers do like-wise.

[CBI 5.0: PPE]













2. Behaviour Based Safety (BBS) Activities

(c) Monthly Exemplary Safe Staff / Worker Role Models

Jan		Feb		Mar	
					
MR SENTHILKUMAR GOVINDARAJ SENIOR TECHNICIAN OLEFIN-II	MR TIN ZAW AUNG SITE SUPERVISOR YOKOGAWA ENGINEERING ASIA PTE LTD	MR THAM YOW SING SUPERVISOR (MECHANICAL) MAINTENANCE	MR AGUSTINES REMY VILORIA SUPERVISOR A+ ENGINEERING PTE. LTD.	MR SUKRI BIN HAMZAH SENIOR TECHNICIAN QUALITY CONTROL	MR ALI HZZRAT SCAFFOLDER KYC SCAFFOLDING PTE. LTD.
Apr		May		Jun	
					
MR SUFIAN BIN SULAIMAN LEADING FIREMAN FIRE & SECURITY	MR CHANDRAN GHANATHESIKAN SITE SUPERVISOR TRIDENT HYDRO JETTING PTE LTD	MS LIM SIEW HONG LEAD ADMIN ASSISTANT ACCOUNTING AND FINANCE	MR LOW WAI TENG FOREMAN SINGAPORE TAKADA INDUSTRIES PRIVATE LIMITED	MR MAO XUAN ZHEN SENIOR TECHNICIAN OLEFIN-I	MR K. THIRUNAVUKARASU WORKER SANKYU (SINGAPORE) PTE LTD

2. Behaviour Based Safety (BBS) Activities

(c) Monthly Exemplary Safe Staff / Worker Role Models

Jul		Aug		Sep	
					
MR JAYARAMAN KARTHIKEYAN TECHNICIAN OLEFIN-II	MR DHANAPAL DHANA SEKAR SCAFFOLDER VINDES ENGINEERING PTE LTD	MR MOK JHUN TING SUPERVISOR MAINTENANCE	MR KYAW SOE LIN WELDER ASAHI KOKUSAI TECHNEION SINGAPORE PTE. LTD.	MR YONG KUAN WEN LEAD TECHNICIAN QUALITY CONTROL	MR RASEL MOHD ATIKUR RAHMAN PAINTER HOLCAM CONSTRUCTION PTE LTD
Oct		Nov		Dec	
					
MR SIM KHONG YEE LEADING FIREMAN FIRE & SECURITY	MR ANDIYAPPAN BALAVILATHAN SCAFFOLD WORKER HAI LECK ENGINEERING PTE LTD	MR. FOO SUAN KIM SENIOR ENGINEER TECHNOLOGY & OPTIMISATION	MR. RENGASAMI ARUNKUMAR INSULATOR WORKER FOSTER ASIA PACIFIC PTE LTD	MR MUHAMMAD FARHAD BIN HASHIM LEAD TECHNICIAN OLEFIN-I	MR THANT ZIN HTUT INSULATION WORKER MEISEI INTERNATIONAL PRIVATE LIMITED

2. Behaviour Based Safety (BBS) Activities

(d) BBS TRUsT Champion Award

Behaviour Based Safety Champion Award for 2020/2021



Shukri bin Ali Alragi Bafadal
Fire & Security

“ First of all, I am honoured to receive this award. I have been with PCS Fire & Security for the past 13 years and have progressed from performing an observer role to a Behaviour Based Safety (BBS) Champion. Ever since I was introduced to the BBS programme, I had adopted the good safety culture of PCS throughout the years. ”

I learnt from my Officers and my colleagues, and through their guidance, I carried out site patrols and kept a lookout on how to improve the working conditions in PCS through QBBS submissions.

I always believe that 'Safety should be everyone's responsibility'. All of us wants to work in a safe environment and return home to our families after work.

I will continue to work hard and hope to further enhance the working conditions in PCS, and to ensure a safe and secure working environment for all. Thank you.





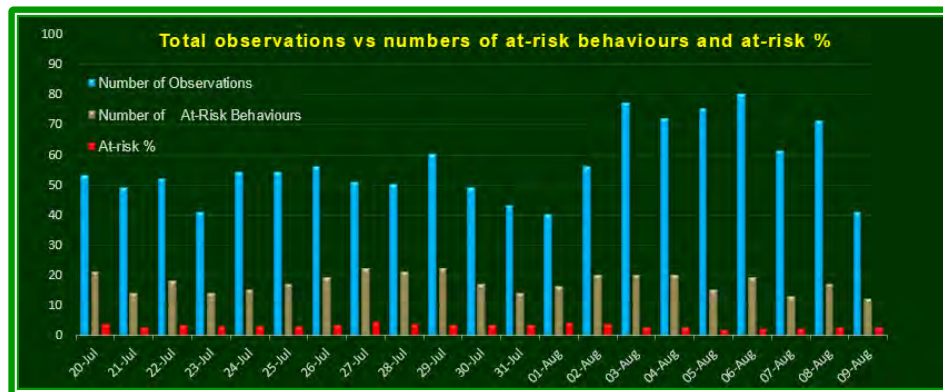
2. Behaviour Based Safety (BBS) Activities

(e) SDM 2021 BBS Activities

- HIBTO
 - ❖ To enhance safe work behaviours by:
 - Providing greater awareness of Behaviour Based Safety
 - Participation of supervisors and workers
- BBS Star Models
 - One Supervisor and three workers will be selected every 4 days
 - \$50 cash vouchers awarded to the selected models
 - Photos of BBS STAR models will be displayed on SDM notice boards

2. Behaviour Based Safety (BBS) Activities

- SDM 2021 HIBTO Statistics



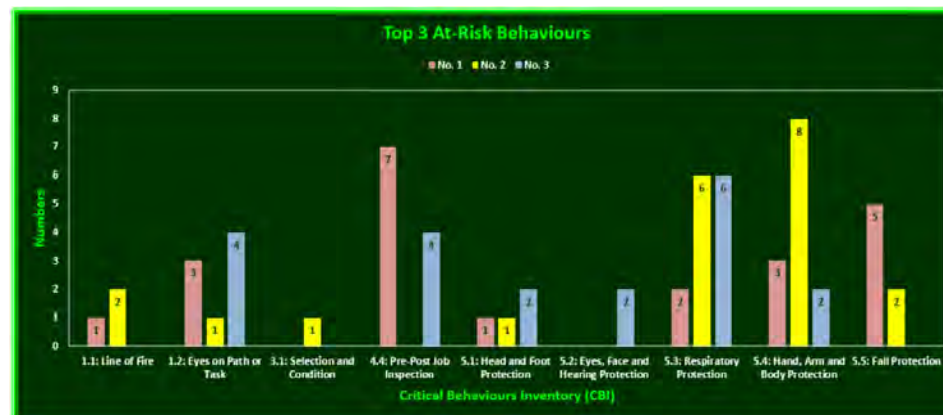
Hot work period: **20 Jul ~ 09 Aug 2021**

Total nos of observations: **1185**

Daily average obs: 56

(Daily Target: 36 obs)

At-risk percentage during hot work period: **2 ~ 4 %**



No	CBI	% At-risk	Rank
5.3	Respiratory Protection	5.7	1
5.5	Fall Protection	4.76	2
5.4	Hand, Arm and Body Protection	4.53	3

2. Behaviour Based Safety (BBS) Activities

- SDM 2021 BBS Star Models (20 July to 9 August)



Munshi Asadul
PEC Supervisor
2SE PLANT



C Kolonginadan
PEC worker
2SE PLANT



M Vincent Melgan
PEC worker
2SE PLANT



I. Subhash
PEC worker
2SE PLANT



Low Wai Teng
STK Supervisor
2SP/2ARO PLANT



Wong Yook Hong
LKW Worker
2SP/2ARO PLANT



Nay Yu Min Hlaing
GULF Worker
2SP/2ARO PLANT



Hossain Monir
CE Worker
2SP/2ARO PLANT

2. Behaviour Based Safety (BBS) Activities

- SDM 2021 BBS Star Models (20 July to 9 August)



Eric Gavion Bidon
SKS Supervisor
2SU PLANT



Izat Asyraf B Ruzihan
Waterwell Worker
2SU PLANT



Sokkalingam
A&S Worker
2SU PLANT



Sumoun Md Shihab
GULK Worker
2SU PLANT



V. Xavier
RIMC Supervisor
2SB PLANT



Hoque Aynal
RIMC Worker
2SB PLANT



K. Murugan
RIMC Worker
2SB PLANT



Tan Whee Hiong
RIMC Worker
2SB PLANT



3. Safety Performance Awards

(a) Combined PCS Employees / Contractors Set Target (CPST)

- Award is given when PCS employees and contractors meet the Total Recordable Case Frequency set and maintain a Lost Time Incident free period for the quarter
- PCS Employees and Contractors Achieved the Quarterly Set Target for all 4 Quarters in 2021
- Contractor workers received vouchers totalling S\$17,500 for the achievement in each quarter

3. Safety Performance Awards

(b) Contractors Safety Set Target (CSST)

- Award is given to the Direct Contractor Company which achieved a One Year Lost Time Incident Free record while working in PCS
- Bonus Award given for achieving consecutive 3rd, 5th, 7th, 9th, 12th and every 3-yearly thereafter
- Commemorative plaques and monetary rewards given for the bonus award

3. Safety Performance Awards

Contractor Companies awarded Commemorative Certificate in 2021

S/N	Company	S/N	Company
1	Petrochemical Complex Contractors Association	15	Long Wei Construction & Engineering Works Pte. Ltd.
2	A+ Engineering Pte. Ltd.	16	Meisei International Private Limited
3	AETOS Security Management Pte. Ltd.	17	Prowess Engineering Design and Services
4	Archiplast Engrg Services & Modelling	18	PSM Aircon & Engineering Pte. Ltd.
5	Asahi Kokusai Techneion Singapore Pte. Ltd.	19	Sankyu (Singapore) Pte Ltd
6	ComfortDelGro Bus Pte. Ltd.	20	Setsco Services Pte Ltd
7	Foster Asia Pacific Pte Ltd	21	Showa Denki (Singapore) Co. Pte. Ltd.
8	Hai Leck Engineering (Private) Limited	22	Singapore Takada Industries Private Limited
9	Holcam Construction Pte Ltd	23	The Wok People Pte. Ltd.
10	Ikari Services Pte Ltd	24	Trident Hydro Jetting Pte Ltd
11	Kurihara Kogyo Co., Ltd.	25	VinDes Engineering Pte Ltd
12	KYC Scaffolding Pte. Ltd.	26	Vortex Engineering Pte. Ltd.
13	Lai Woon Process Pte. Ltd.	27	Weishen Industrial Services Pte Ltd
14	Loh Kim Chay Marine Service	28	Yokogawa Engineering Asia Pte Ltd

3. Safety Performance Awards

Contractor Companies awarded Commemorative Certificate in 2021



3. Safety Performance Awards

Contractor Companies awarded CSST Bonus Award in 2021

	HOLCAM CONSTRUCTION PTE LTD	MEISEI INTERNATIONAL PRIVATE LIMITED	SHOWA DENKI (SINGAPORE) CO. PTE. LTD.
Award			
Category	1	1	2
Years worked without LTI	24	33	33
Cheque amount	S\$1000	S\$1000	S\$500


- Category 1 – monthly workhour exceeding 6,000 hours
- Category 2 – monthly workhour exceeding 1,000 hours but less than 6,000 hours
- Category 3 – monthly workhour less than 1,000 hours

3. Safety Performance Awards

Contractor Companies awarded CSST Bonus Award in 2021



3. Safety Performance Awards - Long Service Award

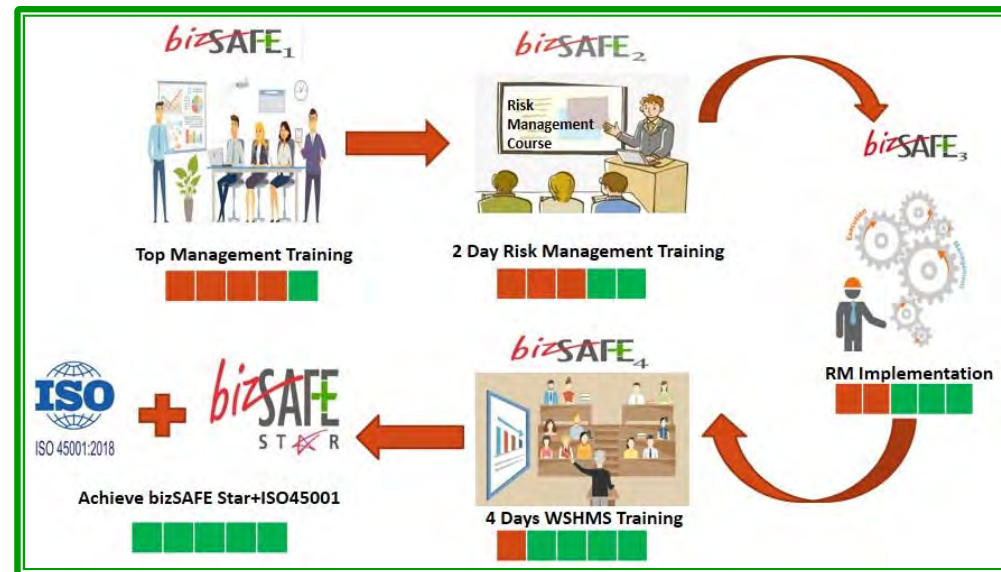
	<p>Mr Aziz Ahmad Sankyu (Singapore) Pte Ltd 15 years of dedicated service in 2021</p>	
	<p>Mr Krishnan A/L Kanaison A+ Engineering Pte. Ltd. 5 years of dedicated service in 2021</p>	
	<p>Mr Omar Faruk Holcam Construction Pte Ltd 5 years of dedicated service in 2021</p>	
	<p>Mr Alvin Toh KYC Scaffolding Pte. Ltd. 5 years of dedicated service in 2021</p>	

4. WSHC *bizSAFE* Programme



- PCS was one of the pioneering companies to become bizSAFE Mentor since 2011
- PCS status as bizSAFE Mentor has been successfully renewed until **28 Sep 2022**

bizSAFE 5-Steps Programme



- All contractor companies to be certified to at least ***bizSAFE Level 3*** before allowed to work in PCS
- Most of our in-house contractor companies are at ***Level Star***, while four of them are ***bizSAFE Partners***

4. WSHC *bizSAFE* Programme



PCS Maintenance Contractors bizSAFE Certification							
S/N	Company	bizSAFE level	Expiry date	S/N	Company	bizSAFE level	Expiry date
1	Hai Leck Engineering (Private) Limited	Partner	02 Nov 2022	11	Meisei International Private Limited	Level Star	04 Aug 2022
2	Kurihara Kogyo Co., Ltd.	Partner	13 Apr 2024	12	Prowess Engineering Design and Services	Level Star	20 Jun 2022
3	Sankyu (Singapore) Pte Ltd	Partner	11 Jul 2023	13	PSM Aircon & Engineering Pte. Ltd.	Level Star	07 Nov 2024
4	Trident Hydro Jetting Pte Ltd	Partner	11 Mar 2023	14	Setsco Services Pte Ltd	Level Star	16 Dec 2023
5	A+ Engineering Pte. Ltd.	Level Star	02 May 2024	15	Showa Denki (Singapore) Co. Pte. Ltd.	Level Star	25 Oct 2024
6	Asahi Kokusai Technion Singapore Pte. Ltd.	Level Star	12 Sep 2023	16	Singapore Takada Industries Private Limited	Level Star	22 Feb 2023
7	Foster Asia Pacific Pte Ltd	Level Star	30 Nov 2024	17	VinDes Engineering Pte Ltd	Level star	10 May 2022
8	Holcam Construction Pte Ltd	Level Star	07 Sep 2022	18	Vortex Engineering Pte Ltd	Level Star	01 Jun 2023
9	KYC Scaffolding Pte. Ltd.	Level Star	06 Dec 2022	19	Yokogawa Engineering Asia Pte Ltd	Level Star	16 Jun 2023
10	Lai Woon Process Pte Ltd	Level Star	20 Sep 2023				

*** PCS Maintenance Sub-Contractors also must be at least bizSAFE level 3 Certification.**

4. WSHC *bizSAFE* Programme



Service Contractors bizSAFE Certification				
S/N	Company	Function in-charge	bizSAFE level	Expiry date
1	AETOS Security Management Pte. Ltd.	Fire & Security	Level Star	10 Mar 2023
2	Archiplast Engrg Services & Modelling	Engineering	Level Star	10 Feb 2023
3	ComfortDelGro Bus Pte. Ltd.	HR & Admin	Level Star	07 Mar 2024
4	Ikari Services Pte Ltd	HR & Admin	Level Star	10 Dec 2022
5	Loh Kim Chay Marine Service	Olefin-I	Level Star	08 Aug 2024
6	Long Wei Construction & Engineering Works Pte. Ltd.	Engineering	Level Star	14 Jan 2023
7	The Wok People Pte. Ltd.	HR & Admin	Level Star	20 Mar 2022
8	Weishen Industrial Services Pte Ltd	HR & Admin	Level Star	29 Dec 2023

*** PCS Maintenance Sub-Contractors also must be at least bizSAFE level 3 Certification.**

5. HSE Achievements in 2021

- (a) **Successful completion of Olefin-II SDM 2021 without a recordable Incident**
- (b) **Combined 50 million hours worked without LTI – 9 Sep 2021**
- (c) **Workplace Safety & Health Performance Award**
- (d) **ASEAN-OSHNET Excellence Award**
- (e) **Jurong Island Vision Zero**
 - **Steering Towards Safer Roads for All**
 - **Stop falling for STF (Slips, Trips & Fall) hazards**
 - **Work Safely at Heights**
- (f) **Responsible Care[®] Awards**
- (g) **National Energy Efficiency Conference 2021**

5. HSE Achievements in 2021

(a) Successful completion of Olefin-II SDM 2021 without a recordable Incident

Olefin-II SDM 2021 Health & Safety Performance

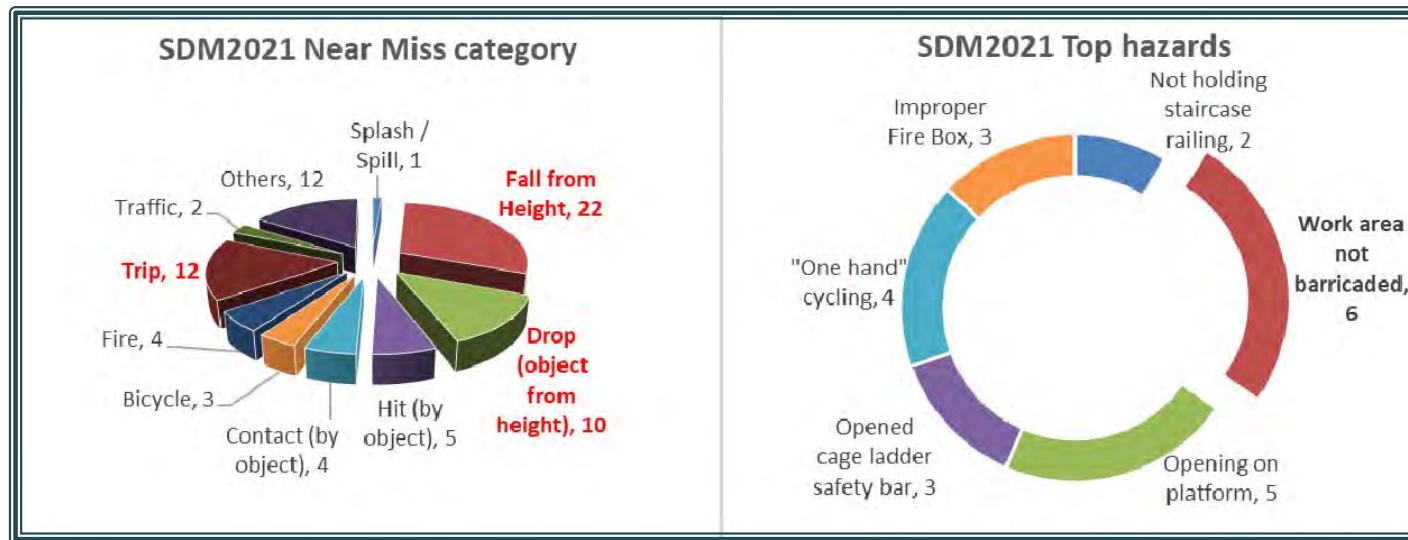
The health and safety performance for SDM 2021 is shown in the following table:

Incident Classification	Employee	Contractor	Total
Lost Time Incident	0	0	0
Restricted Workday Case	0	0	0
Medical Treatment Case	0	0	0
First Aid Case	0	0	0
Plant Equipment & Facilities	0	0	0
Near Miss Case	48	27	75

Note: This is the fourth consecutive SDM without a Recordable Incident.

5. HSE Achievements in 2021

(a) Successful completion of Olefin-II SDM 2021 without a recordable Incident



- many unsafe acts / unsafe conditions from SDM Contractors (company / workers not familiar with PCS expectations, health and safety culture)
- various pre-SDM training / briefing / assimilation into PCS culture
- learnings will be incorporated into future SDM programmes
 - core programmes (BBS, SOS, STAR) in place and effective in reducing and mitigating at-risk behaviour and conditions

5. HSE Achievements in 2021

(a) Successful completion of Olefin-II SDM 2021 without a recordable Incident

Holistic Approach to HSE Activities for Shut Down Maintenance 2021



Lim Kian Huat
Maintenance

Despite the challenging COVID-19 Safe Management Measures (SMM), with split team arrangement and partnership from employees and contractors, we once again achieved good Health, Safety and Environment (HSE) performance with zero recordable incidents in Shut Down Maintenance (SDM).



Manager Mechanical Mr. Timmy Lim taking over the plant from Ole-II Manager Mr. Leonard Chong.

5. HSE Achievements in 2021

(a) Successful completion of Olefin-II SDM 2021 without a recordable Incident



Did anyone of you spot this on 28 Jul 2021 around 2.30pm during SDM?



Decentralised TBM was conducted on 9 August 2021 at SDM Village.

5. HSE Achievements in 2021

(a) Successful completion of Olefin-II SDM 2021 without a recordable Incident



Compressor overhaul work in progress at Compressor house



Maintenance Manager Mr. Chew Thiam Huat handed 2BD plant back to Ole-I Manager Mr. Tan Henry.

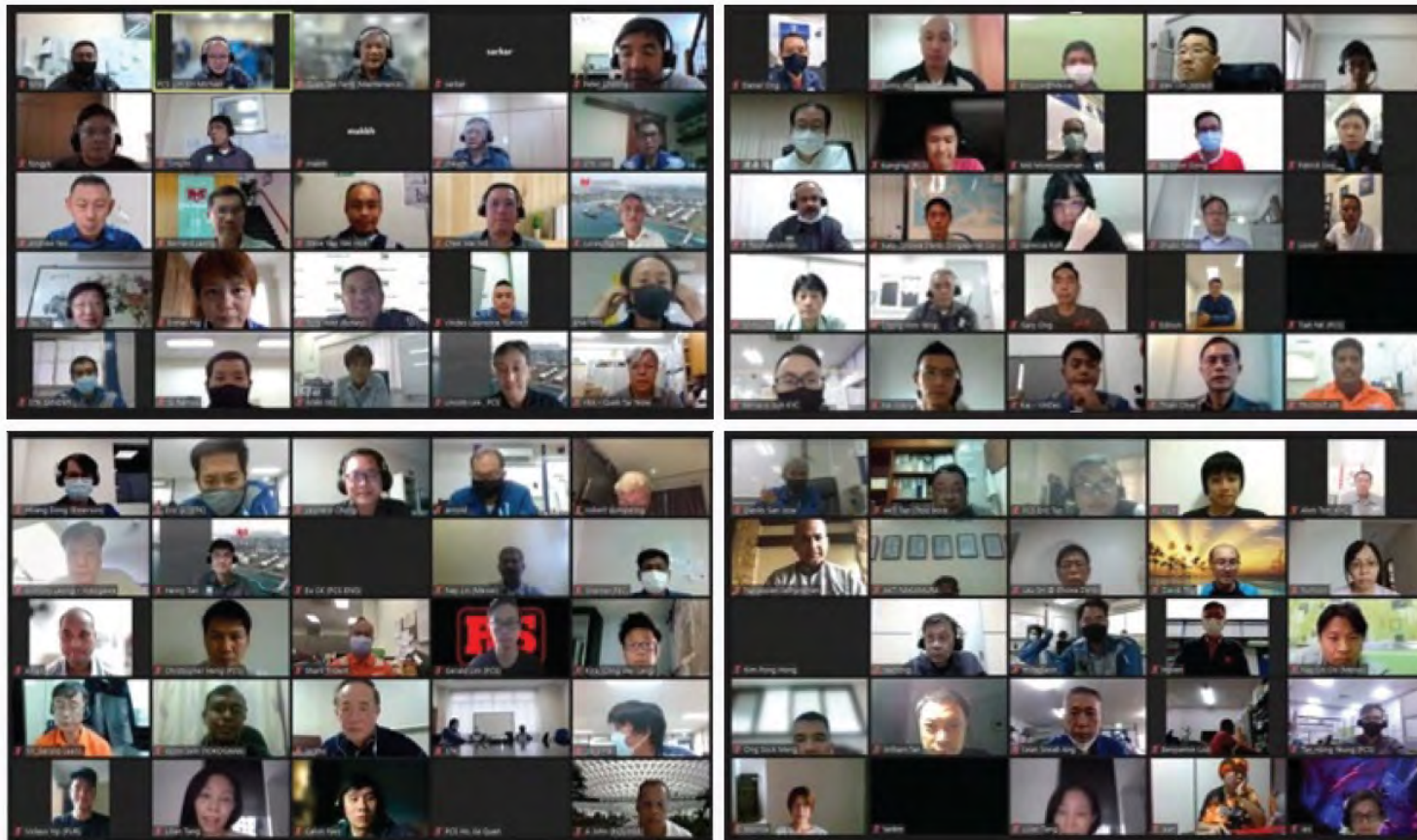


GMP Er Lucas Ng inspecting Ole-II plant with PCS Staff and SDM Contractors Site Managers.



5. HSE Achievements in 2021

(a) Successful completion of Olefin-II SDM 2021 without a recordable Incident



Some of the 172 participants attending the Appreciation Dinner on 13 Aug 2021.



5. HSE Achievements in 2021

(b) Combined 50 million hours worked without LTI – 9 Sep 2021



PCS and its contractors have jointly achieved a combined 50 million hours worked without a Lost Time Incident on 9 September 2021.

This achievement would not come about without the commitment and partnership of our Contractors and the Leadership of the Petrochemical Complex Contractors Association (PCCA)

Let us not be complacent, never compromise on health and safety, and continue our efforts on energy efficiency drive for the environment, in governing every aspect of our operations and business. "One Team, One PCS"

5. HSE Achievements in 2021

50 Million Safety Milestone Commemoration cum SDM Appreciation Ceremony - 2 Dec 2021





5. HSE Achievements in 2021

50 Million Safety Milestone Commemoration cum SDM Appreciation Ceremony- 2 Dec 2021





5. HSE Achievements in 2021

50 Million Safety Milestone Commemoration cum SDM Appreciation Ceremony- 2 Dec 2021



SETSCO SERVICES PTE LTD

SHOWA DENKI (SINGAPORE) CO. PTE. LTD.

SINGAPORE TAKADA INDUSTRIES PRIVATE LIMITED

SULZER SINGAPORE PTE. LTD.



SWTS PTE. LTD.

TERASAKI ELECTRIC COMPANY (FAR EAST) PTE. LTD.

THE WOK PEOPLE PTE. LTD.

TRIDENT HYDRO JETTING PTE LTD



VINDES ENGINEERING PTE LTD

VORTEX ENGINEERING PTE. LTD.

WEISHEN INDUSTRIAL SERVICES PTE LTD

YOKOGAWA ENGINEERING ASIA PTE LTD

5. HSE Achievements in 2021

(c) Workplace Safety & Health Performance Award

PCS had once again achieved another milestone. We were awarded the prestigious Workplace Safety and Health (WSH) Performance (Excellence) Award by the WSH Council and the Ministry of Manpower.



PCS was awarded the prestigious Workplace Safety and Health Performance (Excellence) Award 2021. This culminates the three consecutive years of being conferred the Gold award (2018-2020).

In view of the current Phase 2 (Heightened Alert) situation amidst the COVID-19 pandemic, there was no physical ceremony this year

5. HSE Achievements in 2021

(d) ASEAN-OSHNET Excellence Award

- ❑ PCS was awarded the Excellence Award at the 3rd ASEAN-OSHNET Award Ceremony.
- ❑ The ASEAN-OSHNET Awards is a bi-annual event started in 2016, aimed at raising the profile of OSH in ASEAN and to better awareness and greater involvement of business leaders in the ASEAN Member States.
- ❑ PCS was nominated by Ministry of Manpower for Singapore.



The Awards ceremony in the midst of COVID-19 pandemic was held virtually on 27 July 2021, with the ASEAN-OSHNET Conference in the morning. Our General Manager (Plant), Er. Lucas Ng HK, received the Award on behalf of the company. He also shared PCS' approach and programme "Transformation to Total Workplace Safety and Health – for Vision Zero".

5. HSE Achievements in 2021

(e) Jurong Island Vision Zero

What is VISION ZERO?

“A movement that aims to inculcate a mindset that all injuries and ill health at work are preventable and a belief that zero harm is possible.”



The launch of the Cluster on **23 November 2018** signifies the collective commitment stakeholders have towards a Vision Zero mindset.

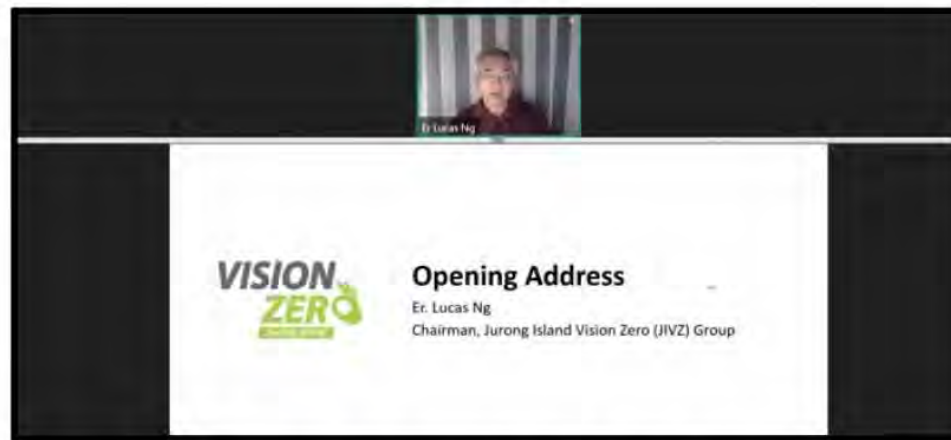
Leadership and commitment are key to creating a robust WSH culture. Cluster companies pledged to uphold five key attributes:

- Adopting mindset that all incidents are preventable, opposing to statistical occurrences
- Implementing pre-emptive measures rather than just responding when incidents happen
- Coming up with comprehensive solutions for prevention besides looking at the root cause of incidents
- Including all within the company's supply chain in cultivating WSH culture
- going beyond basic compliance with regulations, for instance, to implement a holistic management system

5. HSE Achievements in 2021

(e) Jurong Island Vision Zero

- **Steering Towards Safer Roads for All**



Er Lucas Ng, Chairman of the JIVZ group giving his opening speech at the Jurong Island Vision Zero Forum: Steering Towards Safer Roads for All held on 7 April 2021

- ❑ Jointly organised by WSHC, SCIC and ASPRI on 7 Apr 2021.
- ❑ A total of 150 participants, including many from PCS, took away valuable knowledge and perspectives on workplace traffic management which forms an integral part of the industry's operations.

5. HSE Achievements in 2021

(e) Jurong Island Vision Zero

- **Stop falling for STF (Slips, Trips & Fall) hazards**



- ❑ Jointly organised by WSHC, SCIC and ASPRI on 6 Aug 2021.
- ❑ The session was well attended by more than 100 practitioners from the industry and had an informative exchange of practices in managing STF injuries at workplaces.

5. HSE Achievements in 2021

(e) Jurong Island Vision Zero

- **Work Safely at Heights**

- Jointly organised by WSHC, SCIC and ASPRI on 28 October 2021

- Attended by more than 260 participants.

- Er. Lucas Ng, Chairman of JIVZ Group, opened the forum by pointing out that falls from height are one of the top causes of fatalities. With scaffolds and ladders both being commonly deployed for various work activities in Jurong Island, the risk of falling from height should not be neglected.

- Ministry of Manpower shared several inspection findings relating to scaffolds and ladders, particularly the common contraventions observed.



5. HSE Achievements in 2021

(f) Responsible Care® Awards

- Excellence Award in six RC Codes, Gold Award in Security Code (first time being introduced).
- SCIC Responsible Care® Leadership Award



5. HSE Achievements in 2021

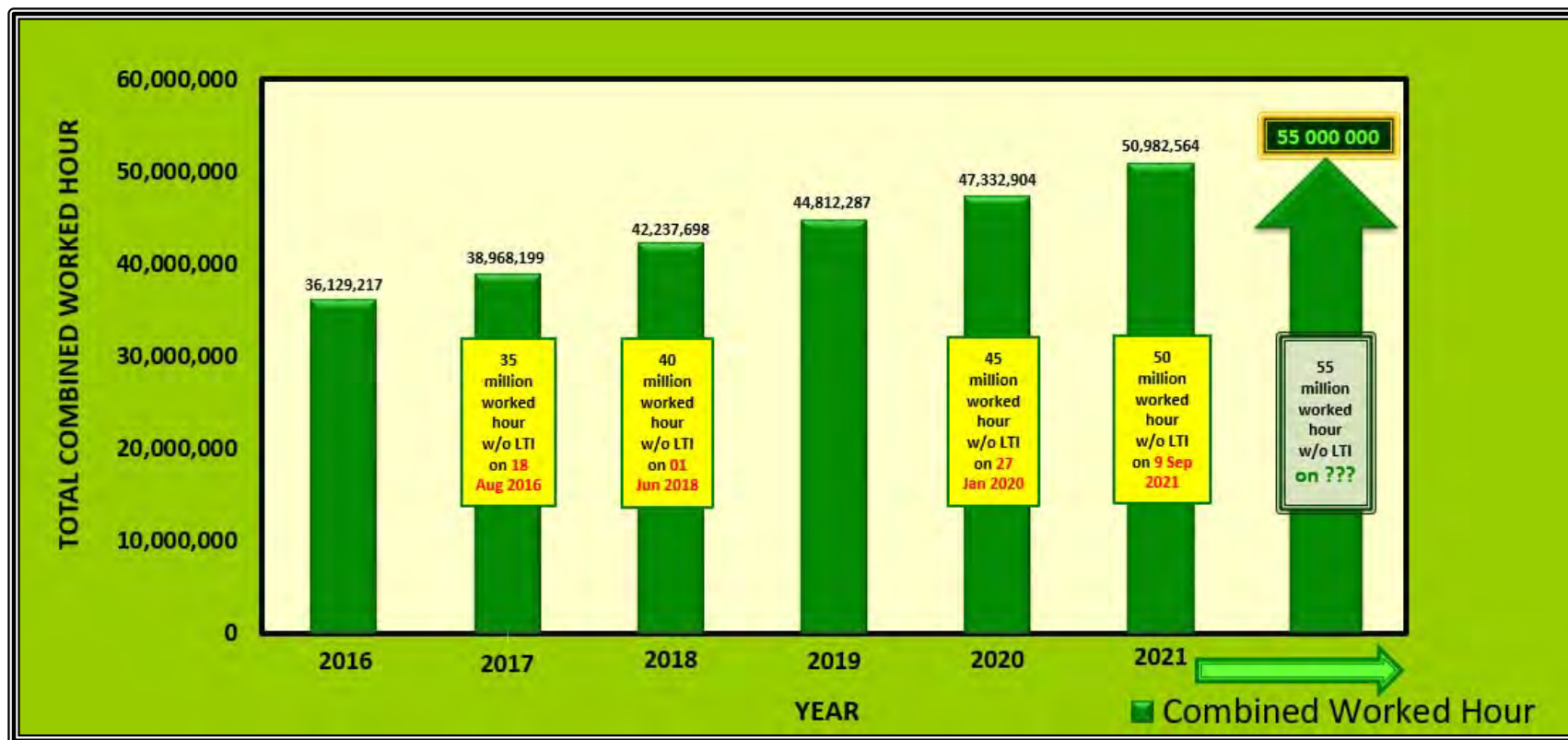
(g) National Energy Efficiency Conference 2021

- Best Practices (Honourable Mention) Award for “Innovative approach to improve Waste Heat Boiler’s (WHB) thermal efficiency”



6. Next Safety Performance Target

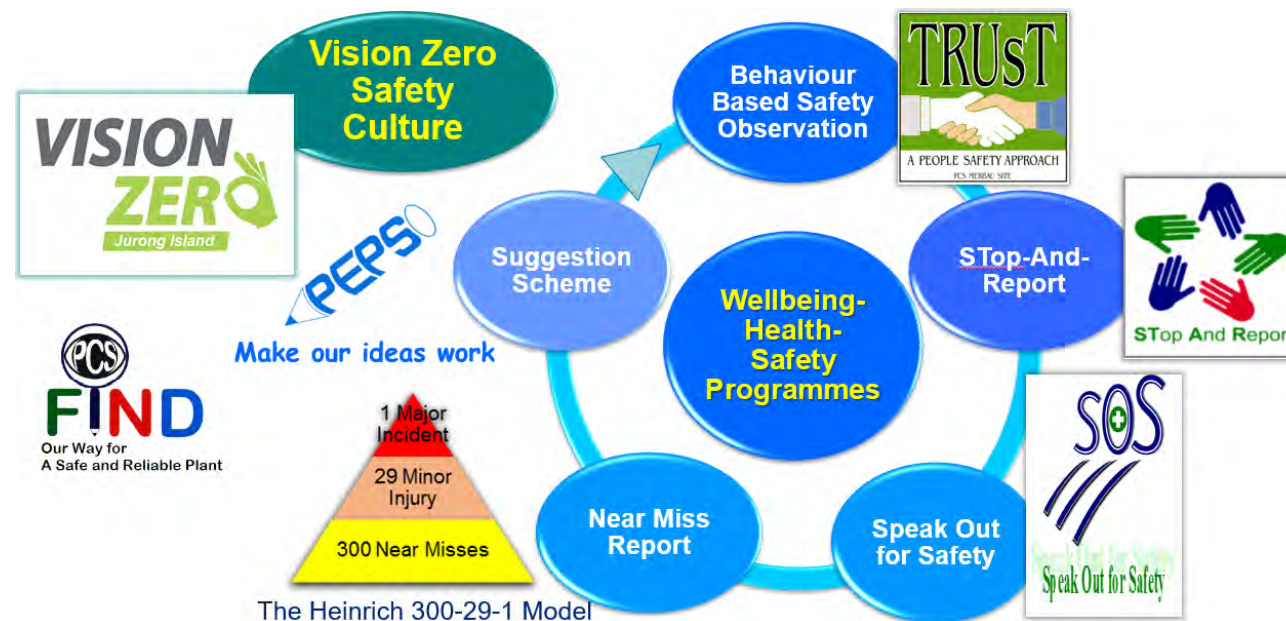
55 million Hours Worked without LTI and beyond ...



** Expected to achieve 55 million hours milestone sometime after Olefin-I SDM 2023

6. . Next Safety Performance Target

*Care for the Health, Safety & Environment
Share with Our Community*



Your strong support to our in-house ongoing HSE activities such as Behaviour Based Safety Observation (BBSO), Stop and Report (STAR), Speak Out for Safety (SOS), and learning past lessons is key to our success... Vision Zero.



Review of HSE Performance for 2021



THANK YOU

