

As a lagging indicator that demonstrates improvement of safety performance, Lost Time Injury Frequency (LTIF) for the PETRONAS Group reduced by seven per cent (from 0.14 to 0.13) compared to the previous year.

	2018	2019	2020	2021	2022
Lost Time Injury Frequency (LTIF) (Number of cases per one million man-hours)	0.09	0.11	0.10	0.14	0.13

Process Safety

Our commitment to Process Safety is a crucial aspect of our operations and is demonstrated by our concerted efforts to achieve significant reductions in Process Safety Events (PSE) 2022.

Governance

- Implemented Fire and Loss of Primary Containment (LOPC) Reduction Framework (FPMF and PSLR) across all domestic and international assets through collaboration with technical experts.
- Conducted peer-review on FPMF and PSLR to verify implementation effectiveness.
- Completed engagement for domestic and international assets for an effective dynamic risk management.

Leveraging Digitalisation to Improve Oversight

- Continue using Fire Prevention and Mitigation Framework (FPMF) and Process Safety Loss of Primary Containment Reduction (PSLR) Framework to optimise Process Safety work processes, provide governance oversight to minimise human error and ensure compliance, while providing valuable insights into risk management.
- Enhanced Integrated Process Safety Solution (IPSS) by launching and enhancing the Engineering and Organisational Change Management and Safety Review prior to starting up digital modules.
- Launched the Process Safety Awareness for Frontliners via digitalised HSE Learning modules to strengthen frontliners' awareness to manage risks and ensure business continuity.

Strengthening Competencies

- Conducted OPU site engagements to strengthen staff ownership of Process Safety culture.
- Partnered with the Center for Chemical Process Safety (CCPS) to encourage knowledge sharing on Process Safety for PETRONAS and the industry.
- Formed the Integrated Process Safety Management (IPSM) Committee to improve collaboration efforts in steering Process Safety requirements from various Management Systems.

We reduced LOPC by 33 per cent with an impressive 81 per cent reduction in Operational Integrity-related LOPC compared to 2021. Furthermore, we reduced Tier 1 PSE by 30 per cent.

HSE Performance Indicators	2018	2019	2020	2021	2022
Number of Tier 1 Process Safety Events (Number of cases)	12	9	9	10	7