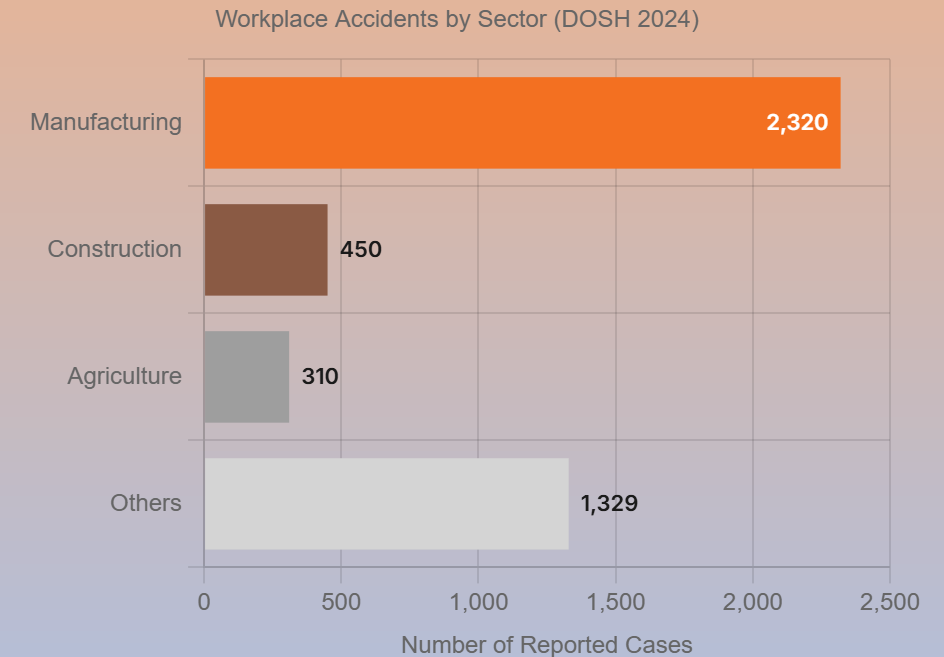


HOT WORK SAFETY AWARENESS by Shereen Montero

Regulatory Compliance and Hot Work Permit (HWP) Mastery
for Malaysian Industries

The 2024 OSHA Legal Mandate

As of June 1, 2024, the Factories and Machinery Act 1967 (FMA) has been officially repealed. All hot work activities are now regulated under the Occupational Safety and Health (Amendment) Act 2022. Section 18B mandates HIRARC risk assessments for all hazardous work, with penalties for non-compliance reaching RM 500,000.



Source: Department of Occupational Safety & Health (DOSH) Malaysia, 2024.

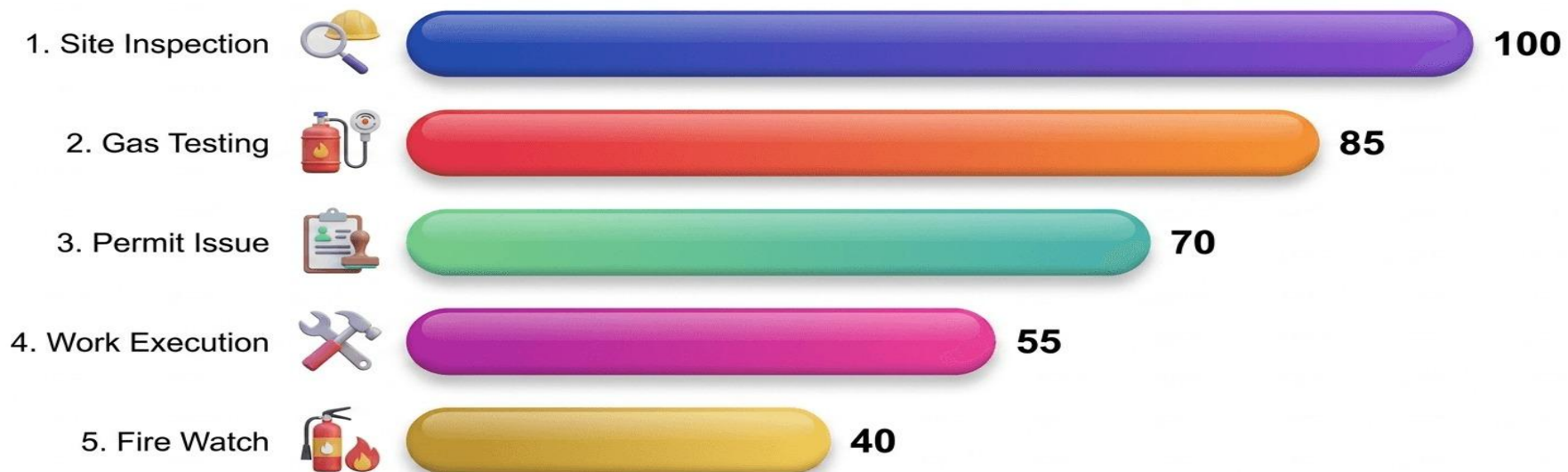
Defining Hot Work and High-Risk Zones

Hot work refers to any activity that produces an ignition ignition source. In Malaysia, specific environments environments trigger the mandatory 'Permit-to-Work' Work' requirement to prevent catastrophic industrial

- Welding, Cutting, & Grinding
- Brazing, Soldering, & Thawing
- Operations near combustible storage
- Work on tanks with flammable residues
- Designated hazardous 'Ex' Zones



Hot Work Permit (HWP) Workflow



24 Hours

Setia Training and Safety Services

Hours

RM 500K

Maximum Legal Fine

HIRARC

Mandatory Assessment

30 MINS

Min Post-Work Monitor

Essential Safety Measures & Controls

THE 10-METRE RULE

Remove all combustible materials, flammable liquids, and debris within a 10m radius of the work site.

GAS TESTING

Mandatory use of calibrated gas detectors to verify a LEL of 0% in confined spaces and hazardous zones.

FIRE SUPPRESSION

Equip area with fire extinguishers and fire-resistant blankets. Ensure adequate local exhaust ventilation.

FIRE WATCH DUTY

Assign trained personnel to monitor sparks during during work and for 60 minutes after task completion. completion.

Documentation and Compliance Audit

Record Type	Mandatory Content	Retention
HWP Permit	Task location, risk control, authorization signatures	2 Years
Gas Test Log	Detector calib serial, LEL %, tester signature	Current
HIRARC	Hazard ID, Risk analysis, control implementation	Ongoing
Training Log	Competency records for Fire Watch & Permit Holders	Employment

Failure to maintain proper HWP records constitutes a breach of Section 18 of OSHA 2022.