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ڪصپيٽن. دان عالم سڪيٽر
Safety, Health and Environment
National Authority

WDSHW

WORLD DAY FOR SAFETY AND HEALTH AT WORK 2023

SHENA ROADSHOWS

16 MAY 2023 | 23 MAY 2023 | 30 MAY 2023 | 06 JUNE 2023

TUTONG ROADSHOW

23 MAY 2023 | DEWAN SERAMBANGUN, TUTONG DISTRICT



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WORLD DAY FOR SAFETY AND HEALTH AT WORK 2023

SHENA ROADSHOWS

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MEDIA CENTRE / OUTREACH PROGRAMME
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SHENA'S LEGISLATION (WSHO, 2009 & ITS REGULATIONS & RPA CAP. 228)



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SHENA'S LEGAL FRAMEWORK

WORKPLACE SAFETY AND HEALTH ORDER, (WSHO) 2009

**PERINTAH KESELAMATAN & KESIHATAN DI
TEMPAT KERJA, 2009**

This Order describes the **general safety and health expectations on all workplaces**. Duties are placed primarily on the Employer, Occupier, Principal and persons at work.



The Law ensures that those creating the risk reduce those risks to persons (employees and public), assets and the environment, to **As Low As is Reasonably Practicable (ALARP)**.

RADIATION PROTECTION ACT, CHAPTER 228

**AKTA PERLINDUNGAN RADIASI, BAB
228**

This Act controls and regulates the import, export, manufacture, sale, disposal, transport, storage, possession, and use of **radioactive materials and controlled apparatus**.





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WSHO, 2009

WORKPLACE SAFETY AND HEALTH ORDER, 2009

WSH	WSH	WSH	WSH	WSH	WSH	WSH	WSH	WSH
(COMPOUNDABLE OFFENCES) REGULATIONS, 2009	(INCIDENT REPORTING) REGULATIONS, 2014	(RISK MANAGEMENT) REGULATIONS, 2014	(WORKPLACE SAFETY AND HEALTH COMMITTEES) REGULATIONS, 2014	(FIRST AID) REGULATIONS, 2021	(WORKPLACE SAFETY AND HEALTH OFFICERS) REGULATIONS, 2014	(GENERAL PROVISIONS) REGULATIONS, 2014	(CONSTRUCTION) REGULATIONS, 2014	(FACILITIES) (CONTROL OF MAJOR ACCIDENT HAZARDS) REGULATIONS, 2013
ANY OFFENCE UNDER THE ORDER AND THE REGULATIONS, EXCEPT SECTIONS 21(7) AND 52	ALL WORKPLACES	ALL WORKPLACES	50 OR MORE PERSONS ARE ORDINARILY AT WORK	ALL WORKPLACES (EXCEPT HOSPITAL, CLINIC AND AMBULANCE)	<ul style="list-style-type: none"> SHIPYARD FACTORY - PETROLEUM FACTORY - \$10 MILLION ENG. CONSTR. FACTORY - 100 PERSON OR MORE EMPLOYED 	<ul style="list-style-type: none"> FACTORY WORKSITE FACILITY 	WORKSITE - ANY BUILDING OPERATION OR WORKS OF ENGINEERING CONSTRUCTION	FACILITIES
OTHER WORKPLACES								
FACTORIES								
CONSTRUCTION WORKSITES								
FACILITIES								



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DUTIES *TANGGUNGJAWAB*

OCCUPIER *PENGHUNI*

Ensure

- All means of **access to or egress**
- Any **machinery, equipment, plant, article or substance** kept at the workplace are **safe and without risks to health** to every person within those premises.

EMPLOYERS *MAJIKAN*

To take, so far as is reasonably practicable, such measures as are necessary to **ensure the safety and health of his employees and persons at work.**

SELF-EMPLOYED PERSON *ORANG BEKERJA SENDIRI*

To take, so far as is reasonably practicable, such measures as are necessary to **ensure the safety and health of persons at work**

PRINCIPALS *PRINSIPAL*

It shall be the duty of every principal to take, as far as is reasonably practicable, such measures as are necessary to **ensure the safety and health** of:

- Any **contractor** engaged by the principal when at work;
- Any direct or indirect **sub-contractor** engaged by the contractor when at work;
- Any **employee** employed by such contractor or sub-contractor when at work

PERSONS AT WORK *ORANG DI TEMPAT KERJA*

It shall be a duty of every person at work to:

- Use the **personal protective equipment (PPE)** as required for the activity
- **Cooperate with employer** to comply with WSHO, 2009
- **Not to misuse** the PPE, appliances, equipment, etc.
- **Not recklessly endanger** himself and others



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WSH (RISK MANAGEMENT) REGULATIONS, 2014

PENGURUSAN RISIKO

In every workplace, the employer, self-employed person and principal shall conduct a risk assessment in relation to the safety and health risks posed to any person who may be affected by his undertaking in the workplace

RISK ASSESSMENT PENILAIAN RISIKO

Maintain a **record** of Risk Assessment for a period of not less than 3 years and any measure of safe work procedure implemented

Any person in the workplace who maybe exposed by the work is **informed** of the nature of the risk involved & measure of safe work procedure

CONDUCT

RECORD

COMMUNICATE

IMPLEMENT



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EXAMPLE OF RISK ASSESSMENT

Department:	RA Leader:	Approved by:	Reference Number
Process:	RA Member 1:	Signature:	
Activity/Location:	RA Member 2:	Name:	
Assessment Date:	RA Member 3:	Designation:	
Last review Date:	RA Member 4:	Date:	
Next review Date:	RA Member 5:		
Hazard Identification		Risk Evaluation	
Risk Control			

Mengenalpasti Aktiviti & Bahaya



Penilaian Risiko



Langkah Pengawalan



Risk Matrix: Likelihood (Kemungkinan) x Severity (Keterukan)



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WSH (WSH COMMITTEE) REGULATIONS, 2014

JAWATANKUASA KESELAMATAN DAN KESIHATAN DI TEMPAT KERJA

**50
WORKERS
OR MORE**



- 1** Chair by Manager/ CEO of the workplace
- 2** WSH Officer/ Co-Ordinator/ Focal act as a secretary
- 3** Meeting at least once (1) a month

FUNCTION

Inspection

Inspection
after
accident

WSH
Promotion

Review
WSH
Guideline

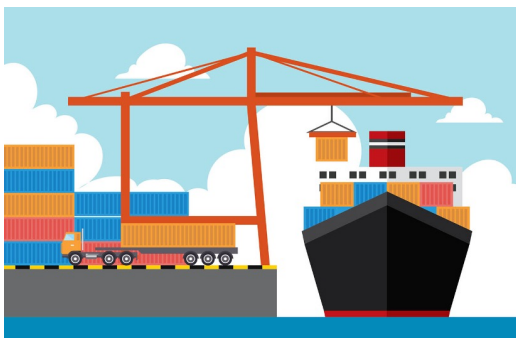


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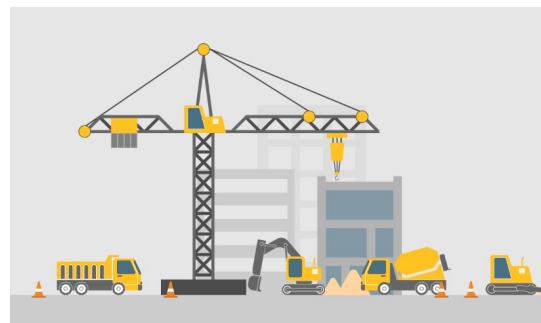
WSH (WSH OFFICERS) REGULATIONS, 2014

PEGAWAI KESELAMATAN DAN KESIHATAN DI TEMPAT KERJA

A WSH Officer must be appointed in:



Shipyards in which any ship, tanker and other vessels are constructed, reconstructed, repaired, refitted, finished or broken up



Factories in which **Building Operations or Works of Engineering Construction (BOWEC)** of a contract sum of BND10 million or more are carried out



Factories used for **processing petroleum or petroleum products**



Any other **factories in which 100 or more persons** are employed, except those which are used for manufacturing garments



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WSH OFFICER REGISTRATION

PENDAFTARAN

Section 32 of the WSHO, 2009 highlights that no person shall act as WSH Officer or WSH Co-ordinator **except with the approval of the Authority.**

WHO CAN APPLY?

COMPANY REPRESENTATIVE / FOCAL POINT/
LINE MANAGER

VALIDITY

2 YEARS

REGISTRATION FEES

\$110 (NEW APPLICATION)

\$60 (RENEWAL)

\$10 (REPLACEMENT)

MINIMUM REQUIREMENTS

- NEBOSH IGC Cert or equivalent
- 2 years relevant health & safety experience



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DUTIES OF WSH OFFICER

TANGGUNGJAWAB PEGAWAI KESELAMATAN DAN KESIHATAN DI TEMPAT KERJA

Assist Occupier to conduct risk assessment

Make recommendations to the occupier:

- Eliminate & minimise risks
- Implement Safety & Health Management System





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WSH OFFICER RENEWAL

MEMPERBAHARUI PENDAFTARAN SELEPAS 2 TAHUN

REGISTERED WSH OFFICERS ARE EXPECTED TO BE ACTIVELY INVOLVED AT THE WORKPLACE AND BE UP TO DATE WITH WSH LEGISLATION AND PUBLICATIONS

RENEWAL REQUIREMENT CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

- 1) 30 Hours – *Continuing Education*
- 2) 30 Hours – *Delivering/ Teaching*
- 3) 30 Hours – *Inspection, Audit & Review*



EXAMINATION PRE- REQUISITE

Examination of Brunei Darussalam Workplace Safety and Health Legislation





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WSH CO-ORDINATOR REGISTRATION

PENYELARAS KESELAMATAN DAN KESIHATAN DI TEMPAT KERJA

**MANDATORY
FOR**

- Every worksite where the contract sum of the building operation or works of engineering construction (BOWEC) less than BND 10 million [WSH (Construction) Regulations, 2014]

**MINIMUM
REQUIREMENTS**

- IOSH Managing Safely, NEBOSH Award or equivalent
- 2 years relevant health & safety experience

WHO CAN APPLY?

COMPANY REPRESENTATIVE / FOCAL POINT/ INDIVIDUAL

VALIDITY

2 YEARS

REGISTRATION FEES

NO REGISTRATION FEE





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About SHENA ▾

Legislation ▾

Licenses & Registrations ▾

Safety Case

Enforcement

Radiation

Publications ▾

Workplace Safety and Health (WSH) Applications

Approved Training Providers (ATP)

Conduct SHENA's Registered Safety & Health Training Course

Third-Party Inspection Agency (TPIA) for Lifting Equipment

Workplace Safety and Health Officer

Workplace Safety and Health Co-Ordinator

Radiation Application

Radiation License

Radiation Import/Export Authorisation

Radiation Workers

Licenses & Registrations

Workplace Safety and Health Co-Ordinator

Application Form



Workplace Safety and Health Co-Ordinator's Application Form

List of Registered WSH Co-Ordinator



List of Registered Workplace Safety and Health (WSH) Co-Ordinators
(Last updated: May 1st, 2023)

For any queries, email to: wshapplication@shena.gov.bn



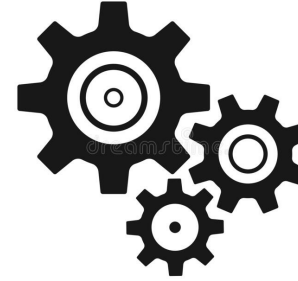
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WSH (GENERAL PROVISIONS) REGULATIONS, 2014

PERUNTUKAN UMUM



**General provision
relating to health**



**Machine safety (i.e. lifting
equipment, guarding, etc.)**



**Safety provision in
case of fire**



**Special provision on hazardous
substance, toxic, dusts**

14 ELEMENTS OF WORKPLACE SAFETY AND HEALTH MANAGEMENT SYSTEM

SCHEDULE 2 TO THE WORKPLACE SAFETY AND HEALTH (GENERAL PROVISIONS) REGULATIONS, 2014



01
SAFETY POLICY
(INCLUDING ALLOCATION & RESPONSIBILITY FOR SAFETY)



02
SAFE WORK PRACTICE



03
HEALTH & SAFETY TRAINING



04
GROUP MEETINGS



05
INCIDENT INVESTIGATION & ANALYSIS



06
IN-HOUSE HEALTH & SAFETY RULES



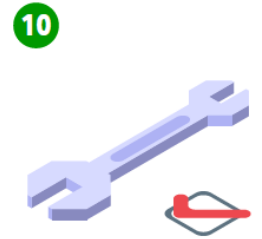
07
HEALTH & SAFETY PROMOTION



08
CONTROL OF CONTRACTORS



09
SAFETY INSPECTION



10
MAINTENANCE REGIME



11
RISK ASSESSMENT



12
CONTROL OF HAZARDOUS SUBSTANCES



13
OCCUPATIONAL HEALTH PROGRAMMES



14
EMERGENCY PREPAREDNESS



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**GUIDELINES ON RADIATION
PROTECTION PROGRAMME (RPP)
REQUIREMENTS**
Rev. 1

ENSURING BRUNEI A SAFE PLACE TO WORK & LIVE
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RADIATION PROTECTION PROGRAMME (RPP)

PROGRAM PERLINDUNGAN RADIASI

BASIC ELEMENTS OF RPP

1. Leadership and Management for Safety
2. Roles and Responsibilities
3. Competency Programme
4. Exposure Limit
5. Monitoring Programme
6. Health Surveillance
7. Standard Operating Procedures
8. Quality Assurance
9. Security Plan
10. Emergency Preparedness and Response
11. Disposal Plan
12. Record Keeping
13. Reference Document



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WSH (FIRST-AID) REGULATIONS, 2021

PERTOLONGAN CEMAS

RESPONSIBILITIES OF EMPLOYER OR OCCUPIER OF THE WORKPLACE



**PROVIDE &
MAINTAIN
FIRST-AID
BOXES**



**PROVIDE &
MAINTAIN
FIRST-AID ROOM
(>100 PERSONS)**



**APPOINT A
TRAINED FIRST-
AIDER**



**PROVIDE AND
PROPERLY MAINTAIN
SUITABLE FACILITIES
FOR EMERGENCY
TREATMENT WITHIN
THE WORK AREA**



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INDUSTRY GUIDANCE NOTE (IGN)
FIRST AID
REQUIREMENTS IN A WORKPLACE



2023/IGN/01

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SAFETY & HEALTH TRAINING

LATIHAN KESELAMATAN DAN KESIHATAN DI TEMPAT KERJA

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Radiation Workers

SHENA APPROVED TRAINING PROVIDER (ATP)

Last Updated: 01 May 2023



NO.	REGISTRATION REFERENCE NO.	NAME OF APPROVED TRAINING PROVIDER (ATP)	Address and Contact Number	TYPE OF TRAINING PROVIDED		DATE OF ISSUE	DATE OF EXPIRY
				Competency	Awareness		
1	SHENA/ATP/001/2021 (R)	Karyajaya Training and Technical Services	Lembok Kanan Industrial Area, Spg 281-32, Bandar Seri Begawan BR3501 Contact No.: 8965818	-Material Handling (Rigging, Crane Operator & Forklift) -Scaffolding		15/10/2021	14/10/2023
2	SHENA/ATP/002/2021 (R)	Berakas Power Company	Berakas Power Company Sdn Bhd Berakas Power Station Lebuhraya Kimba / Jin Utama Terunjung Kg. Terunjung Bera Berakas BR1514 Contact No.: 2394461	Electrical	- Electrical Safety - Working at Height	30/12/2022	29/12/2024
3	SHENA/ATP/003/2021 (R)	ATDC Sdn Bhd	Lot 86/87, Tapak Perindustrian Sungai, Bera Contact No.: 3227252	-Material Handling (Rigging, Forklift, Crane Operator, Excavator Operator) -Manual Handling -Offshore survival Skill	-Manual Handling -IMIST OPITO -Enclosed Space Entry	22/10/2021	21/10/2023

LIST OF SHENA REGISTERED SAFETY AND HEALTH TRAINING COURSE

Last Updated: 05 December 2022



NO.	SHENA REGISTERED COURSE CODE	COURSE TITLE	TRAINING PROVIDERS	REGISTERED TRAINERS	ACCREDITATION REFERENCE
1	SHENA/SHC/001(2022)	NEBOSH INTERNATIONAL GENERAL CERTIFICATE (IGC) IN OCCUPATIONAL HEALTH AND SAFETY (FOR WORKPLACE SAFETY AND HEALTH OFFICER)	MEGAMAS TRAINING COMPANY SDN BHD	1) Michael Leonard Stringer @ Mahd Firdaus 2) Iswandi bin Abdullah 3) James Robert Pretty 3) Dave Chase	Accreditation by Broeri Dorussalam National Accreditation Council (BDNAK) KP/MKP/R/139(14)
			CORTEX TRAINING & DEVELOPMENT	1) Azfer Firdaus Abdullah William 2) Azrinna Kegli	
			JOFFREN OMAK COMPANY SDN BHD (USING THE THIRD PARTY SERVICE OF INTERNATIONAL ISE COUNCIL FC 112)	1) Dany Cleatus Cocheril 2) Sarbesha Kavi Giriraja 3) Alimul Fudal 4) San Kang 'Gainer' Branson 5) Azimah Amirhan	



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WHY COMPLIANCE?

PEMATUHAN

**GLOBAL
CONTEXT**

**A SAFE AND HEALTHY WORKING ENVIRONMENT IS A
FUNDAMENTAL PRINCIPAL AND RIGHT AT WORK**

**NATIONAL
CONTEXT**

WAWASAN BRUNEI 2035

Goal #2 : High Quality of Life

**- Compliance to Occupational Health and Safety
Legislations/ Standards**



**SHENA
VISION**

**WE ARE COMMITTED TO MAKING A DIFFERENCE AND
ENSURING BRUNEI IS A SAFE PLACE TO WORK AND LIVE**

**WORKPLACE COOPERATION IN ENSURING COMPLIANCE TO
WORKPLACE SAFETY AND HEALTH ORDER, 2009 & RADIATION
PROTECTION ACT, CHAPTER 228**



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NATIONAL WSH COMPLIANCE AND PERFORMANCE STATISTICS 2022



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SUMMARY FINDINGS

PENEMUAN RINGKAS

INSPECTIONS (70 SITES)	%
Hazard & Risk Management	28
Emergency Response	25
Safety Management System / Safety Case	14

MONITORING VISITS (108 SITES)	%
Work at Height/ Scaffolding	19
Personal Protective Equipment	16
Hazard & Risk Management	14

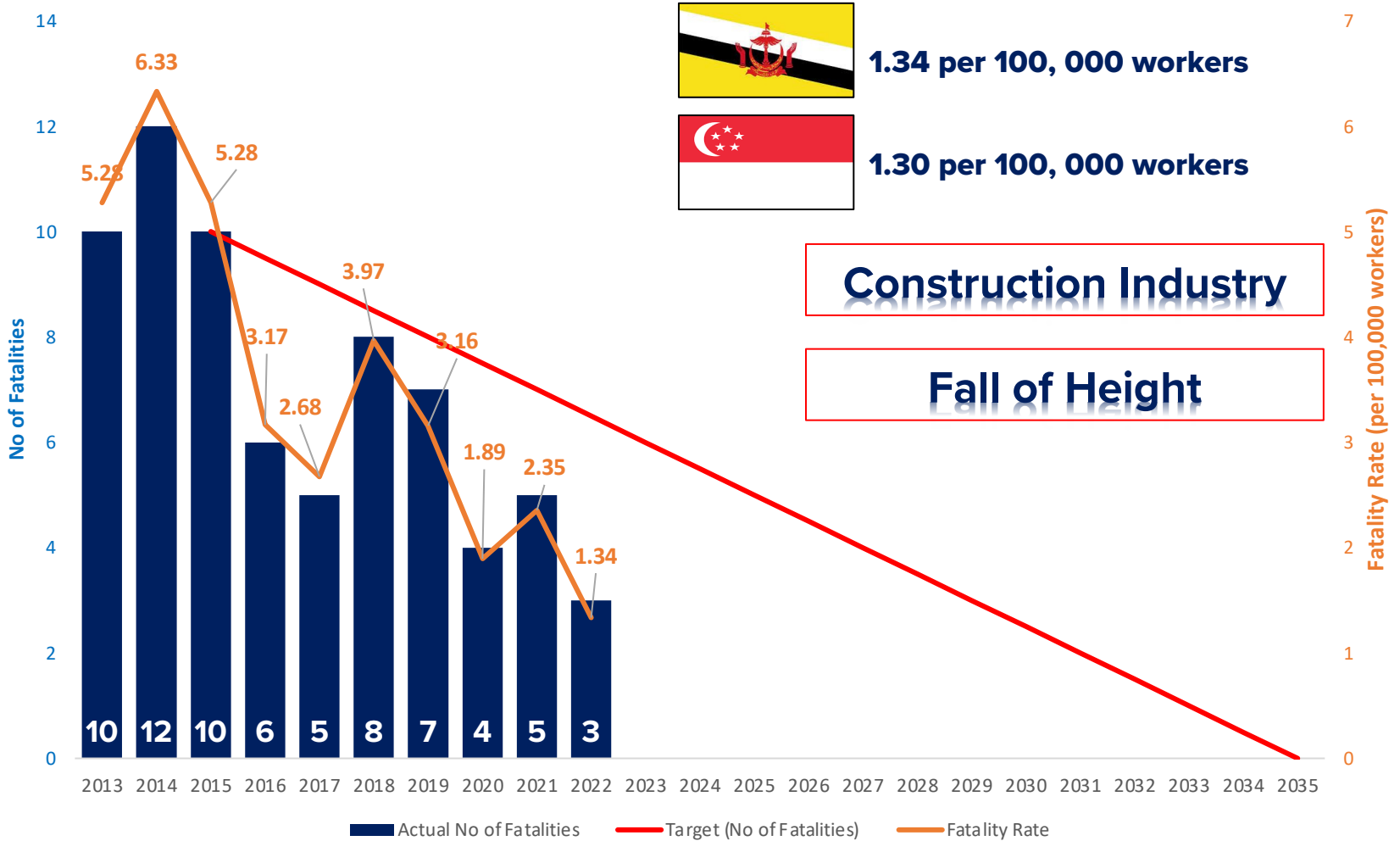
INITIAL INCIDENT NOTIFICATION (144 REPORTS)	38% Reportable Incidents
Work Equipment & Machinery	33
Slips and Trips	21
Working at Height	13



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WORKPLACE FATALITY RATE

KADAR KEMATIAN DI TEMPAT KERJA





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WORKPLACE INJURIES

KECEDERAAN DI TEMPAT KERJA

Workplace Injuries Recorded from 2014 to 2022



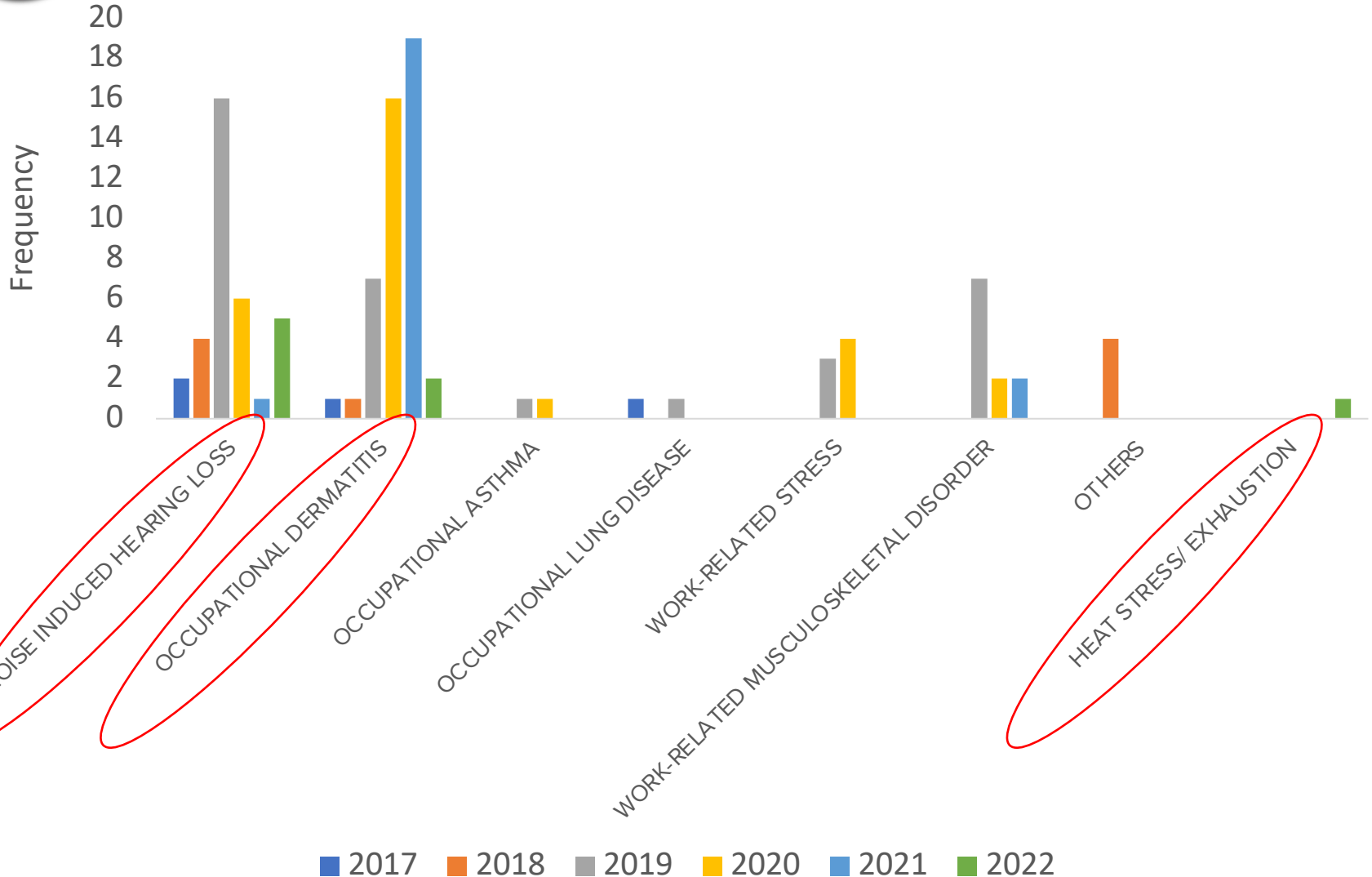
ACCIDENT BY INDUSTRY TYPE	%
Construction	40
Wholesale & Retail Trade, Repair of Motor Vehicles	16
Accommodation & Food Activities	8



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OCCUPATIONAL DISEASE

PENYAKIT PEKERJAAN





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HSE PERFORMANCE REPORTING

LAPORAN PRESTASI HSE



كمنترين كواشن دان ايكونومي
MINISTRY OF FINANCE AND ECONOMY
BRUNEI DARUSSALAM



	TOTAL REPORTED
No of Work- Related Fatalities	0
No of Major Injuries	3
No of Minor Injuries	33
No of Dangerous Occurrences	8
No of Occupational Diseases	0
No of Major Accidents	0
No of HSE Interventions	418

152
COMPANIES
REPORTED



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WAY FORWARD

- In accordance with SHENA's business plan, specific focus will be on areas such as **WSH Officer or Co-ordinator, WSH Committee, Safety Management System and First Aid.**
- Aggressive awareness raising activities through **outreach programmes.**
- Establish **national HSE policy** to support future **ratification of International Labour Organisation conventions i.e. C155 and C187.**

Whole nation approach required to influence shift in national safety culture and achieve our aspiration of Wawasan 2035 which is "World Class Health and Safety in the Workplace".



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ENFORCEMENT ACTIVITIES & COMMON CONTRAVENTIONS



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KEY ROLES & OBJECTIVES

PERANAN UTAMA & OBJEKTIF

Enforces the compliances of workplaces to ensure:

- Adherence to the **law** and **regulations**;
- **Employers, principal, occupiers** and **licensees** carry out their **legal duties** in ensuring the safety of all workers and the work activities conducted
- **A SAFE & HEALTHY WORK ENVIRONMENT AS A FUNDAMENTAL PRINCIPLE & RIGHT AT WORK**





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CORE ACTIVITIES

AKTIVITI UTAMA

Activities carried out in accordance with:

**PART 5 OF WSHO,
2009**

**POWER OF
AUTHORITY**

**PART 9 OF WSHO, 2009
INSPECTIONS AND OTHER
POWERS OF
ENFORCEMENT**

**PART 8 OF RPA,
CHAPTER 228
INSPECTIONS**

**PART 9 OF RPA,
CHAPTER 228
ENFORCEMENT**

SHENA Inspectors are [warranted to enter, inspect and examine](#) any workplace at any time to verify the compliance against relevant law.

Core activities:

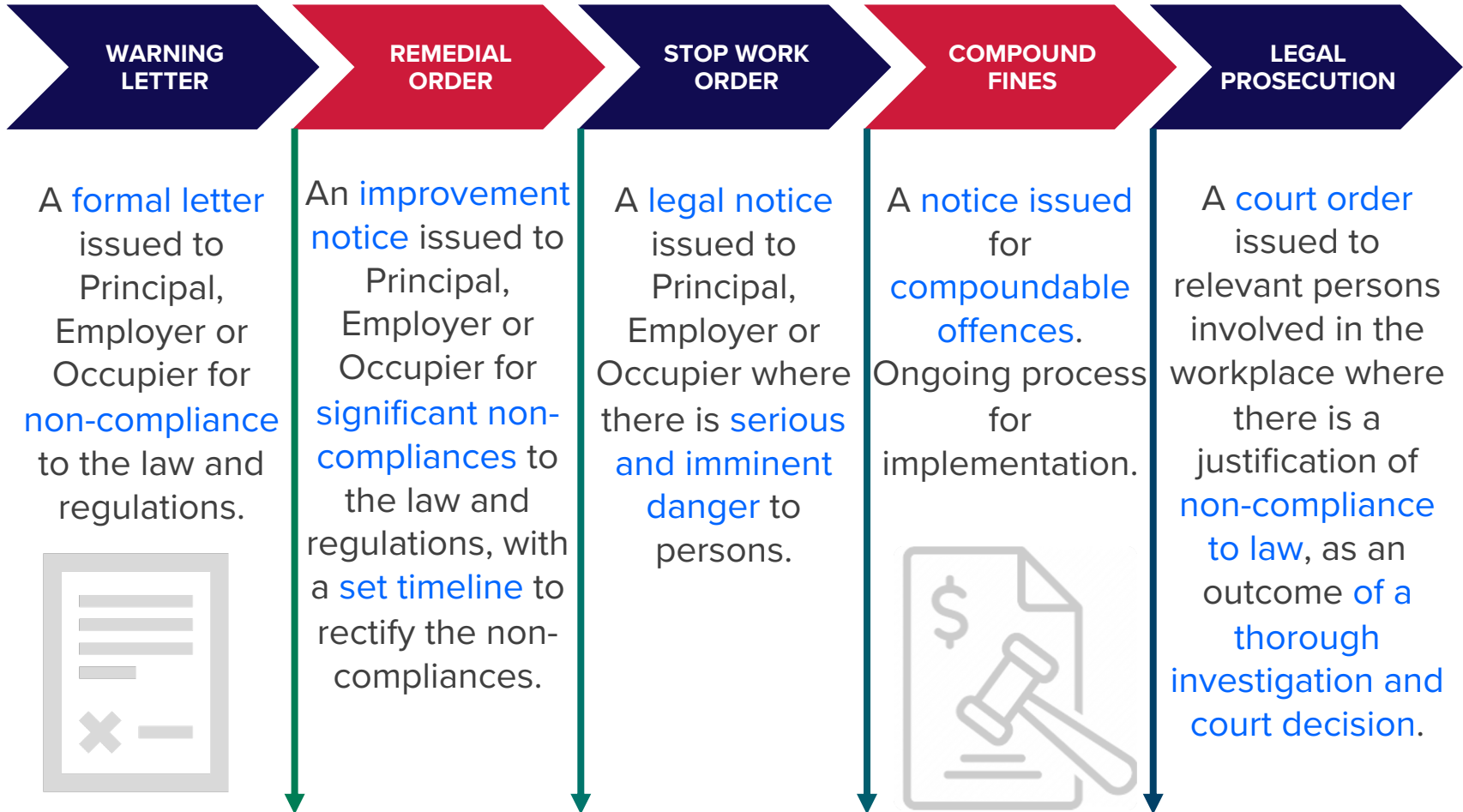
- Conduct [regulatory inspections](#);
- Conduct [monitoring visits](#); and
- Issuance of [legal notices as applicable](#).



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ENFORCEMENT ACTIONS

TINDAKAN PENGUATKUASAAN





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STOP WORK ORDERS & REMEDIAL ORDERS

PERINTAH BERHENTI BEKERJA & PERINTAH PEMULIHAN

STOP WORK ORDERS



Unsafe Working at Height
50%



Insufficient Hazard Management
25%



Radiation Licence
25%



REMEDIAL ORDERS



Inadequate assurance on asset integrity

Inadequate demonstration on Safety and Health Management System

Insufficient/inefficient risk and hazard management

Inadequate management of Safety Critical Equipment



Ref: Data Q1 2023



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COMMON CONTRAVENTIONS IN THE WORKPLACE

KESALAHAN-KESALAHAN DI TEMPAT KERJA

Working At Height

Crane & Lifting Machinery

Electrical Safety

Asset Integrity

Machinery, Equipment & Hazardous Substance

Personal Protective Equipment (PPE)

Emergency Preparedness & First Aid

Occupational Health

Unlicensed Radiation Source

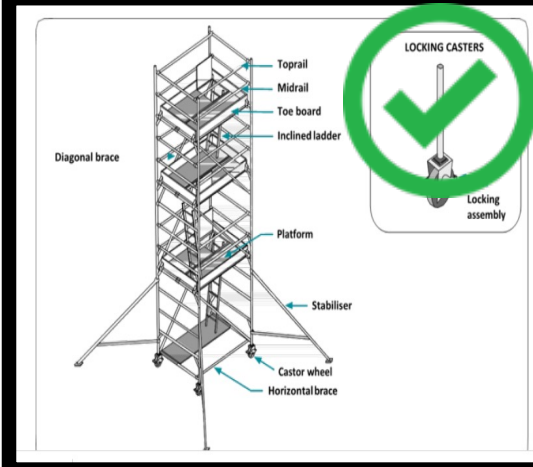




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WORKING AT HEIGHT

BEKERJA DI TEMPAT TINGGI

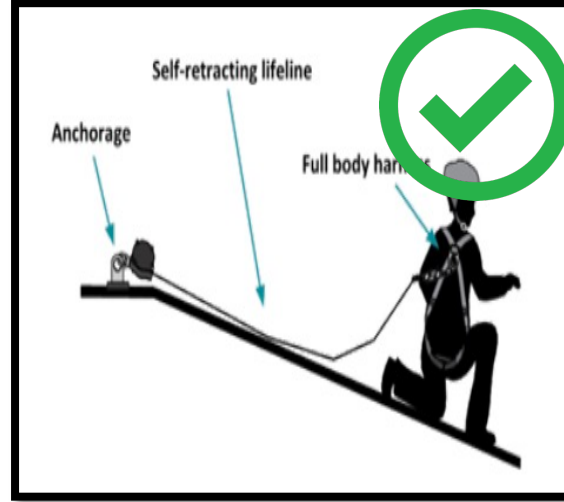


- × Poor scaffolding structure
- × Improper access & egress
- × Unstable and displaced working platform
- × Unstable base
- × Absence of guard rails and toe boards

REF: IGN 2021/IGN/07 GUIDANCE TO WORK AT HEIGHT AND WORKING AT HEIGHT RESCUE PLAN

WORKING AT HEIGHT

BEKERJA DI TEMPAT TINGGI



- × No protection against sliding or falling (gangways & crawler boards)
- × No use of safety harness with sufficient anchorage and lifeline
- × Use of home-made ladder
- × Risk of falling object

CRANE & LIFTING MACHINERY

KREN & JENTERA MENGANGKAT



- × Riding on loads/slings/hooks of machinery
- × Risk of the worker falling
- × No records of competency training

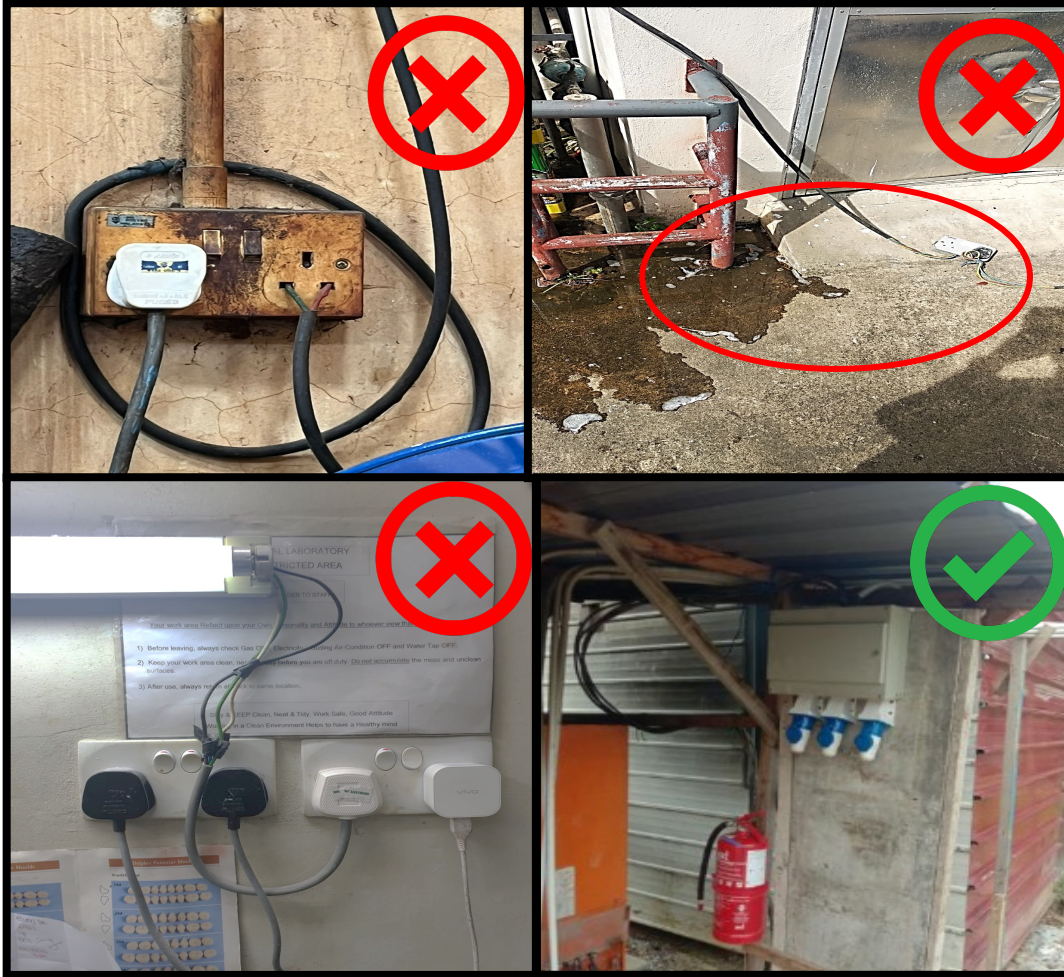
- × Excavator used to lift loads
- × Workers underneath the loads
- × Poorly maintained machinery
- × No routine examination by Third Party Inspection Agencies



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ELECTRICAL SAFETY

KESELAMATAN ELEKTRIK



- × Exposed electrical wires
- × Electrical sockets & wires near water source
- × Use of residential instead of industrial plug & socket-outlet
- × No insulation underneath electrical box



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ASSET INTEGRITY

INTEGRITI ASET



- × No regular maintenance of structure & asset
- × Risk of falling objects from collapse
- × Increased risk of injury to workers



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MACHINERY & EQUIPMENT

JENTERA & PERALATAN



- × No implementation of lock-out & tag-out (LOTO) procedures
- × No safety training for use of machinery & equipment
- × No guards for dangerous parts
- × Lack of signages indicating hazards & safe work procedures
- × No routine inspection & maintenance

HAZARDOUS SUBSTANCE

BAHAN BERBAHAYA



- ✗ Transfer of hazardous chemicals into decanted unlabeled containers
- ✗ No proper warning labels on containers
- ✗ No Safety Data Sheets readily available
- ✗ Poor housekeeping & storage conditions
- ✗ Poor LPG conditions & use of transparent hose
- ✓ Provision of suitable washing facility



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PERSONAL PROTECTIVE EQUIPMENT (PPE) & HOUSEKEEPING

PERALATAN PERLINDUNGAN PERSEORANGAN & PENGEMASAN



Use of belt instead of full
body harness



Poor houskeeping



No PPE worn



Proper houskeeping

- × Risk of trips & falls
- × No safe access & egress in event of emergency
- × Accumulated water – risk of water-borne diseases
- × Protruding bars



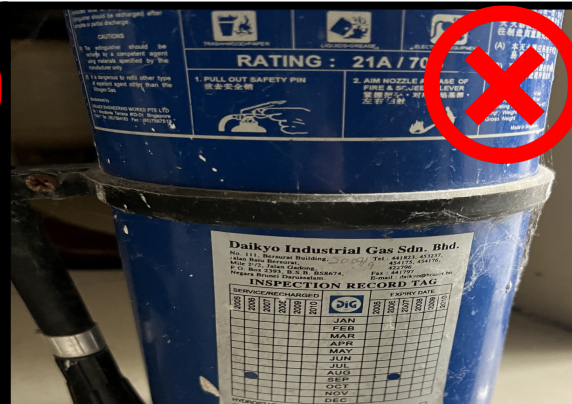
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EMERGENCY PREPAREDNESS

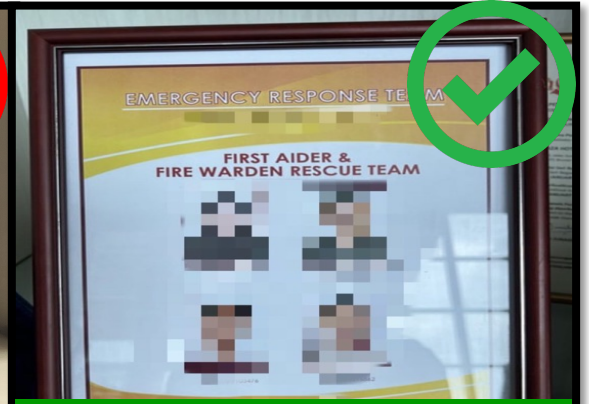
KESIAPSIAGAAN KECEMASAN



Blocked emergency exit door



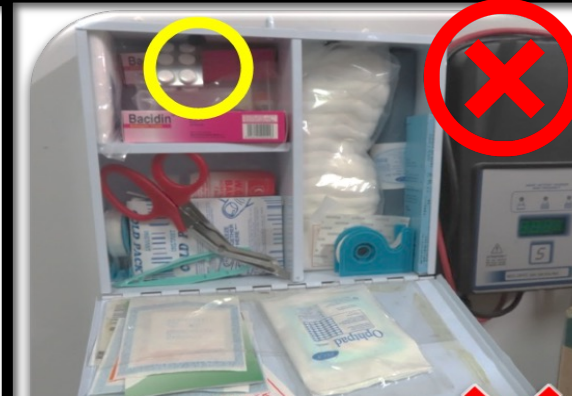
Out-of-date service fire extinguisher



Notice of appointed first-aiders displayed



Unequipped first-aid box



Tablets & medications



First-aid room labelled




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OCCUPATIONAL HEALTH (OH)

KESIHATAN PEKERJAAN

4.4. Abrasive Grinding

○ Spark of hot metal	○ Asset damage	3B	3B	1B	3B	Medium
○ Presence of flammable gas in the area	○ Fire					
	○ Injury					
	○ Noise					
	○ Heavy metal dust					
	○ Waste metal					



- Lack of consideration of health hazards (e.g. noise, heat stress, biohazards manual handling) in the risk assessment
- Lack of ventilation for hazardous substance & heat stress
- No industrial hygiene exposure monitoring
- Lack of provision & maintenance of PPE (e.g. respirator & earmuff)
- No routine medical examination



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UNLICENSED RADIATION SOURCES

SUMBER RADIASI TIDAK BERLESEN



- Unlicensed radiation sources identified during regulatory inspection.
- Contravention to Section 6 and 7 of the Radiation Protection Act.

Note: All radiation activity must acquire a radiation licence from SHENA, along with all the radiation sources used.



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KEYPOINTS

RINGKASAN

Enforcement Division enforces the law and regulations under SHENA.

Verifies the existing safety and health compliance against the law on all workplaces in Brunei Darussalam and take appropriate enforcement actions for non-compliances identified.

Strives to instill a safe & healthy work environment as a fundamental principle & right in all workplaces and consequently enhance the workplace safety culture in Brunei Darussalam.

We seek support from the Government, Industries, and Stakeholders to review their systems and procedures and identify areas of concerns.

**TOGETHER WE CAN MAKE
BRUNEI DARUSSALAM
A SAFE PLACE TO WORK AND LIVE**



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WORLD DAY FOR SAFETY AND HEALTH AT WORK 2023

SHENA ROADSHOWS

16 MAY 2023 | 23 MAY 2023 | 30 MAY 2023 | 06 JUNE 2023

WORKPLACE INCIDENT REPORTING REQUIREMENT & HIGHLIGHTS

KEPERLUAN UNTUK MELAPORKAN INSIDEN DITEMPAT KERJA & SOROTAN KEMALANGAN DITEMPAT KERJA



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YOUR THOUGHTS *PANDANGAN BISKITA*

What do you think Brunei as place to work and live?

Apakah pendapat biskita tentang persekitaran di Brunei Darussalam sebagai tempat untuk tinggal dan bekerja?





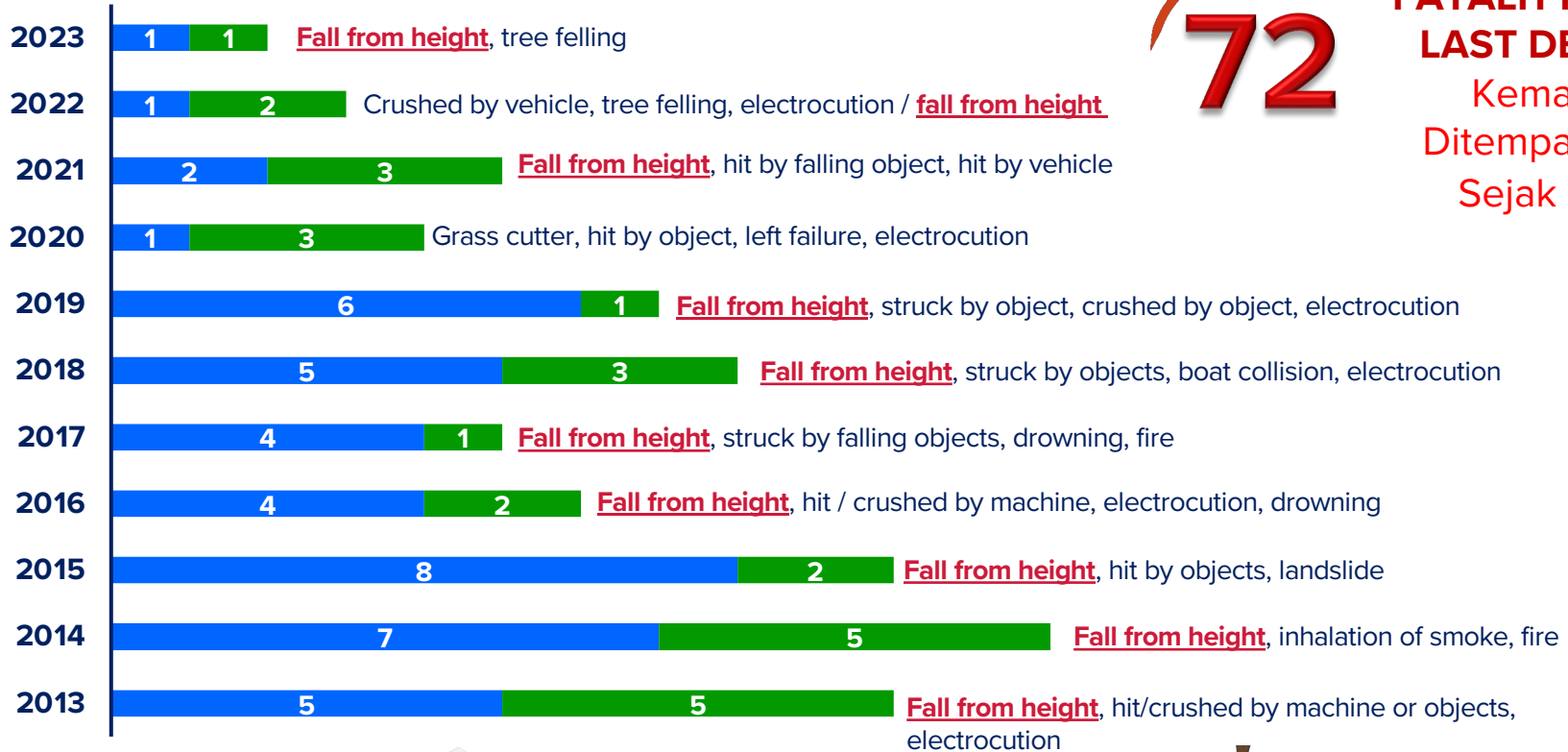
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WORK-RELATED FATALITY STATISTICS

STATISTIK KEMATIAN DITEMPAT KERJA

72

**WORK RELATED
 FATALITY IN THE
 LAST DECADE**
 Kematian
 Ditempat Kerja
 Sejak 2013



■ CONSTRUCTION
 INDUSTRI PEMBINAAN

■ OTHER INDUSTRIES
 INDUSTRI YANG LAIN-LAIN





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TYPES OF REPORTABLE INCIDENTS

JENIS-JENIS INSIDEN YANG PERLU DI LAPORKAN

Workplace Safety and Health (Incident Reporting) Regulations, 2014

WSH (Facilities) (COMAH) Regulations, 2013



KEMATIAN

FATALITY

Death of any employee, person or self-employed



KECEDERAAN

INJURY

Injury to employee and was given more than 3 consecutive days sick leave, or admitted 24hrs in hospital

Injury to any person or self-employed and was sent to hospital for treatment



KEJADIAN BERBAHAYA

DANGEROUS OCCURENCE

Any occurrence as specified in the Second Schedule of the WSHO, 2009



PENYAKIT-PENYAKIT PEKERJAAN

OCCUPATIONAL DISEASES

Any disease as specified in the Third Schedule of the WSHO, 2009



KEMALANGAN BESAR

MAJOR ACCIDENT

Uncontrolled loss of containment, fire or explosion leading to serious danger to health, property or environment.

Major damage to facility structure.

Death or serious injury to 3 or more



DANGEROUS OCCURENCES

KEJADIAN BERBAHAYA

Second Schedule of Workplace Safety and Health Order, 2009

Jadual Kedua – Perintah Keselamatan dan Kesihatan Tempat Kerja, 2009

BURSTING of a revolving vessel, wheel, grindstone or grinding wheel moved by mechanical power



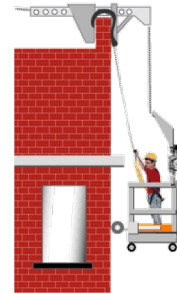
COLLAPSE or **FAILURE** of a crane, derrick, winch, hoist, piling frame or other appliance used in raising or lowering persons or goods, or any load bearing part thereof, or the overturning of a crane

EXPLOSION or **FIRE** damage to the structure of any room or place in which persons are at work, or to any machine or plant contained therein



EXPLOSION or **FAILURE** of structure of a steam boiler or of a receiver or container used for the storage at a pressure greater than atmospheric pressure of any gas or gases or any liquid or solid resulting from the compression of gas

COLLAPSE, in part or in whole, of a **SCAFFOLD** exceeding 15 metres in height or of a suspended scaffold or a hanging scaffold from which any person may fall more than 2 metres



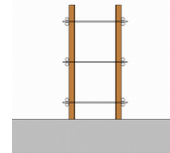
ELECTRICAL SHORT CIRCUIT or failure of electrical machinery, plant or apparatus, attended by explosion or fire or causing structural damage thereto



ACCIDENTAL SEEPAGE or entry of seawater into a dry dock or floating dock causing flooding of that dry dock or floating dock.



FAILURE or **COLLAPSE** of formwork or its supports



EXPLOSION or **FIRE** affecting any room in which persons are at work





OCCUPATIONAL DISEASES *PENYAKIT-PENYAKIT PEKERJAAN*

Third Schedule of Workplace Safety and Health Order, 2009

Jadual Ketiga – Perintah Keselamatan dan Kesihatan Tempat Kerja, 2009

1. Keracunan anilina	16. Keracunan sianida	27. Kepekakan disebabkan bunyi bising
2. Antraks	17. Ulser epitelomatus (disebabkan oleh tar, gegala, bitumen, minyak mineral atau paraffin atau apa-apa sebatian, produk atau baki apa-apa bahan tersebut)	28. Penyakit kulit pekerjaan
3. Keracunan arsenic	18. Kelenjar	29. Asma pekerjaan
4. Asbestosis	19. Keracunan hydrogen sulfida	30. Keracunan pestisid
5. Barotrauma	20. Keracunan plumbum	31. Keracunan fosforus
6. Keracunan berilium	21. Leptospirosis	32. Keracunan dari terbitan halogen sebatian hidrokarbon
7. Bissinosis	22. Angiorsarkoma hati	33. Radiasi
8. Keracunan cadmium	23. Keracunan mangan	34. Keracunan kayu rengas
9. Keracunan karbon bisulfide	24. Keracunan merkuri	35. Gangguan strain berulang
10. Keracunan karbon dioksida	25. Mesotelioma	36. Silikosis
11. Keracunan karbon monoksida	26. Mesotelioma	37. Anemia toksik
12. Katart		38. Hepatitis toksik
13. Ulser Krom		39. Tuberkulosis
14. Keracunan kronik benzene		
15. Penyakit udara termampat		



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INITIAL INCIDENT NOTIFICATION (IIN) CARA-CARA UNTUK MELAPORKAN KEJADIAN KEMALANGAN DI TEMPAT KERJA

STEP 1

LANGKAH 1



CALL SHENA DUTY PHONE

*Hubungi pihak berkuasa SHENA
733 2200*

STEP 2

LANGKAH 2



REPORT AN INCIDENT VIA ONLINE FORM (TOP RIGHT GREEN BUTTON)

*Laporkan kejadian kemalangan di tempat kerja secara
talian melalui laman web
WWW.SHENA.GOV.BN*

STEP 3

LANGKAH 3



COMPLETED ONLINE FORM WILL BE AUTOMATICALLY FED TO iin@shena.gov.bn

*Borang yang telah lengkap akan dihantar secara
automatik ke e-mel iin@shena.gov.bn*

STEP 4

LANGKAH 1



REPORTER WILL RECEIVE AUTO ACKNOWLEDGEMENT EMAIL & COPY OF THE IIN

Pengakuan dan salinan IIN akan diterima oleh pelapor secara automatik



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SUMMARY OF WORK-RELATED FATALITY 2022

RINGKASAN KEMATIAN DI TEMPAT KERJA BAGI TAHUN 2022



DATE OF INCIDENT

12 Jan 2022

TYPE OF INDUSTRY

Other Industry

WHAT HAPPENED?

- A worker was pinned between battery metal cage and underside guard rail of the truck bucket (of tipper truck) while fixing the batteries.
- The worker was pronounced dead at the scene due to crushing of neck caused by compression.



DATE OF INCIDENT

19 Oct 2022

TYPE OF INDUSTRY

Other Industry

WHAT HAPPENED?

- A worker was cutting the base of a fallen tree which was stuck and leaning against another tree, causing the fallen tree to swing back and struck the worker as it fell on him.
- The incident caused serious injuries to the worker, and he eventually succumbed to death.



DATE OF INCIDENT

24 Dec 2022

TYPE OF INDUSTRY

Construction

WHAT HAPPENED?

- A worker was working at height using a scaffolding doing welding works to the roof metal frame at private housing when he allegedly fell to the ground
- Post-mortem report – traumatic neck injury, electrocution, and fall



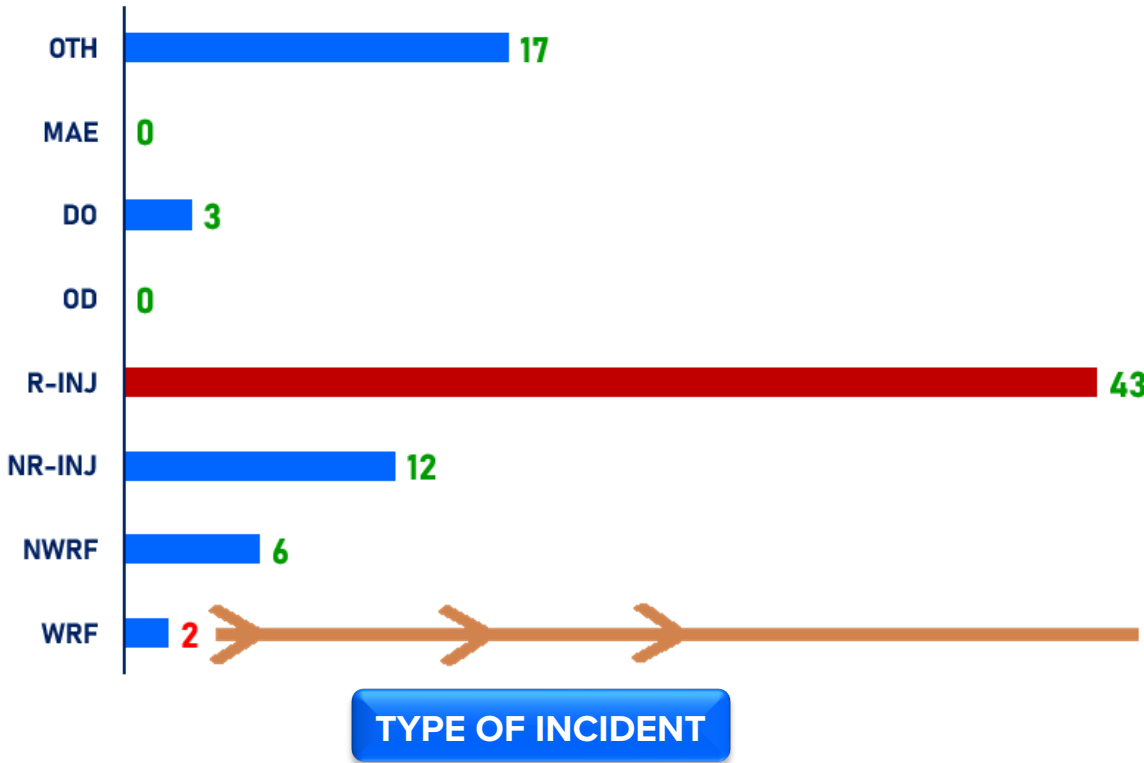
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REPORTED WORKPLACE INCIDENT IN 2023

STATISTIK TERKINI BERKAITAN DENGAN INSIDEN / KEMALANGAN DI TEMPAT KERJA

83

IIN HAS BEEN RECEIVED AS OF 22 MAY 2023
 Sebanyak 82 IIN telah diterima setakat 22 Mei 2023



- 1 confirmed fatality, 1 is still waiting for RBPF to formally handover to SHENA before commencing investigation



- Date of Incident – 22 Feb 2023
- 2 workers fall from height of 7.5 meters
- 1 Fatality & 1 Injured



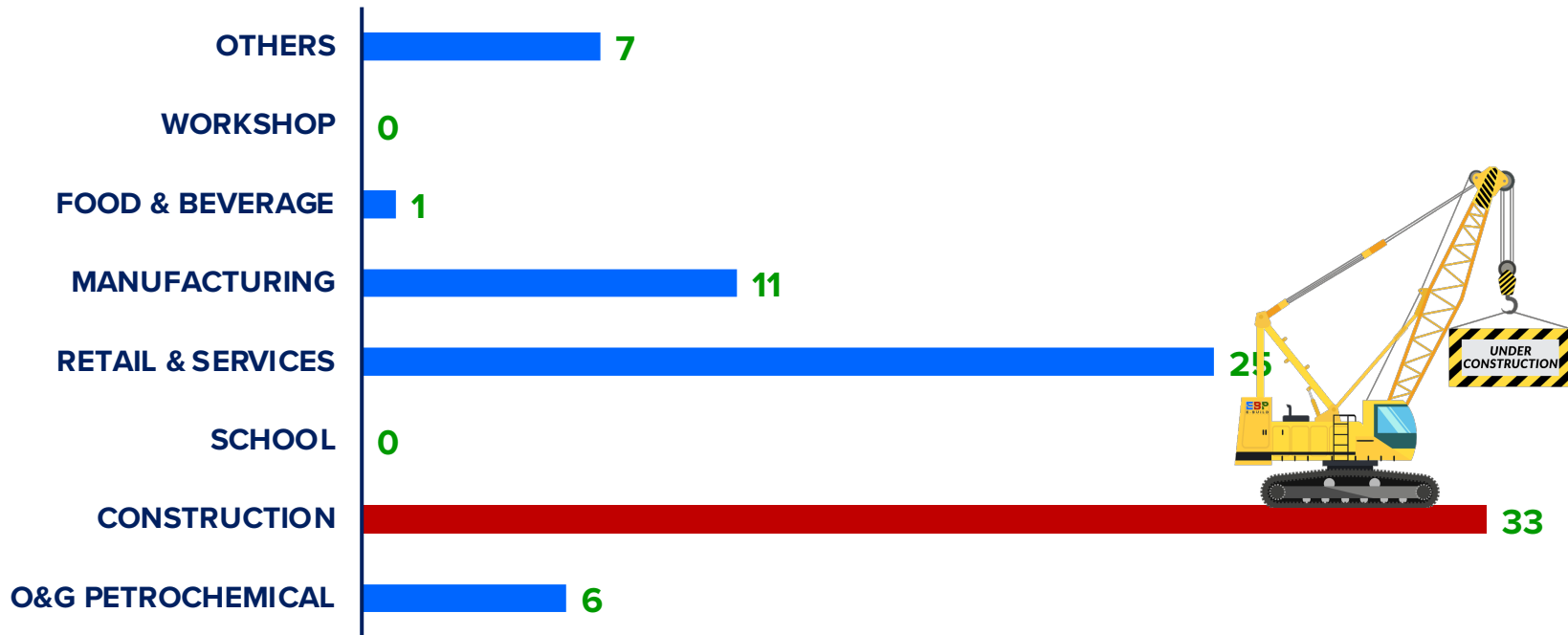
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REPORTED WORKPLACE INCIDENT IN 2023

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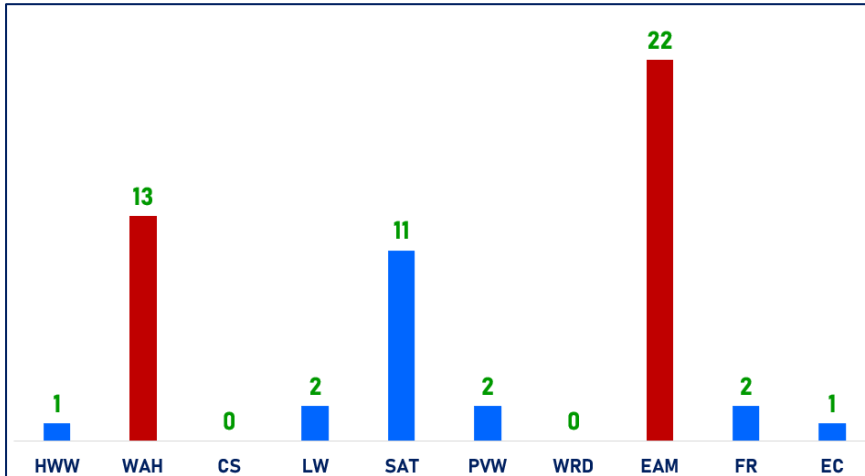
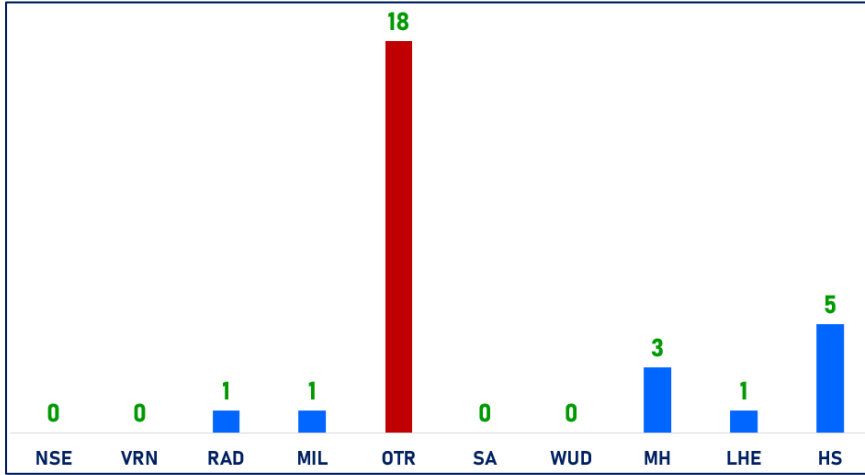
TYPE OF INDUSTRY



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IDENTIFIED CATEGORY OF HAZARDS

KATEGORI BAHAYA YANG TELAH DILAPORKAN



CATEGORIES OF HAZARDS IDENTIFIED FROM INCIDENT REPORTED

LEGENDS	CAT OF HAZARDS	LEGENDS	CAT OF HAZARDS
NSE	Noise	HWW	Health, Welfare & Work Environment
VRN	Vibration	WAH	Working at Height
RAD	Radiation	CS	Confined Space
MIL	Mental ill-health	LW	Lone Working
OTR	Others	SAT	Slips and Trips
SA	Substance Abuse at Work	PVW	Movement of People and Vehicles in the
WUD	Work-related Upper-limb Disorders	WRD	Work-related Driving
MH	Manual Handling	EAM	Work Equipment and Machinery
LHE	Load Handling Equipment	FR	Fire
HS	Hazardous Substances	EC	Electricity



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GRAPHIC CONTENT WARNING *AMARAN MENGENAI KANDUNGAN GRAFIK*



WARNING

Graphic Content

The following images may be disturbing to some viewers.
Viewer discretion is strongly advised



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REAL LIFE INCIDENT PICTURES

GAMBAR-GAMBAR DARI INSIDEN DI TEMPAT KERJA YANG TELAH DI LAPORKAN



FALL FROM HEIGHT – AIRCOND SERVICING



FALL FROM HEIGHT – SMASHED TO THE WALL



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REAL LIFE INCIDENT PICTURES

GAMBAR-GAMBAR DARI INSIDEN DI TEMPAT KERJA YANG TELAH DI LAPORKAN



SLIPPED HAMMER WHILE CHANGING TYRE



HAMMERED BY COLLEAGUE



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REAL LIFE INCIDENT PICTURES

GAMBAR-GAMBAR DARI INSIDEN DI TEMPAT KERJA YANG TELAH DI LAPORKAN



**BURN INJURY – STEAM
COMPARTMENT FAILURE**



**SUPERFICIAL BURN –
MOLTEN DEBRIS**



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REAL LIFE INCIDENT PICTURES

GAMBAR-GAMBAR DARI INSIDEN DI TEMPAT KERJA YANG TELAH DI LAPORKAN



NWRF – WILD ANIMAL



NITROGEN EXPLOSION



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SHENA ROADSHOWS

16 MAY 2023 | 23 MAY 2023 | 30 MAY 2023 | 06 JUNE 2023

CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH) REQUIREMENT AND HIGHLIGHTS

KAWALAN BAHAYA KEMALANGAN BESAR (COMAH) KEPERLUAN DAN PERHATIAN



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PROCESS SAFETY INCIDENT

INSIDEN BERKAITAN KESELAMATAN PROSES

WHAT HAPPENED TO MACONDO INCIDENT (DEEPWATER HORIZON RIG)?

APA YANG BERLAKU PADA INSIDEN MACONDO (DEEPWATER HORIZON RIG)?

During temporary well abandonment, well control was lost, resulting in a blowout;

Semasa pengabaian telaga sementara, kawalan telaga telah hilang, mengakibatkan letupan;

The uncontrolled release found ignition source and ignited resulting to explosions & fire;

Pelepasan yang tidak terkawal menemui sumber penyalaan dan dimana mengakibatkan letupan & kebakaran;

11 fatalities, 17 injured and massive environmental damage;
11 maut, 17 cedera dan kerosakan alam sekitar yang besar;

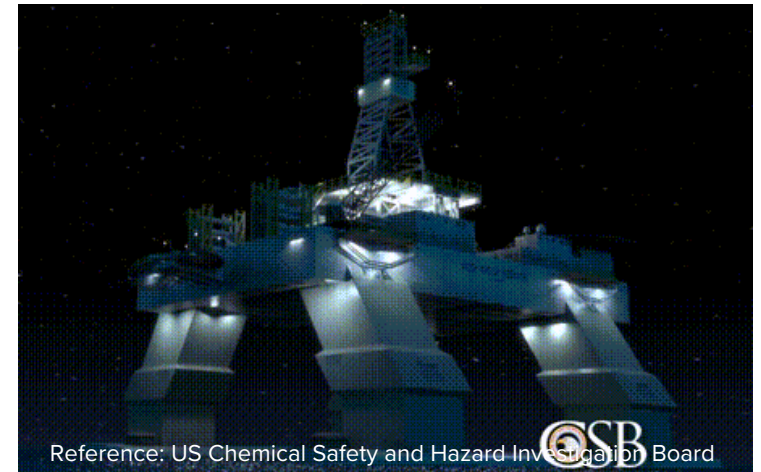
Critical cement barrier intended to keep the hydrocarbons below the seafloor ineffectively installed at the bottom of the well; and
Penghalang simen kritikal bertujuan untuk memastikan hidrokarbon di bawah dasar laut tidak dipasang dengan berkesan di bahagian bawah telaga; dan

Removing drilling mud allowed hydrocarbons to flow past the failed cement barrier

Mengeluarkan lumpur penggerudian membolehkan hidrokarbon mengalir melepasi penghalang simen yang gagal



Reference: US Chemical Safety and Hazard Investigation Board



Reference: US Chemical Safety and Hazard Investigation Board



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MAJOR ACCIDENTS / KEMALANGAN BESAR

1. An occurrence such as loss of containment, fire or explosion resulting from uncontrolled developments in the course of the operation of any facility, and leading to serious danger to human health, property or the environment, immediate or delayed, inside or outside the facility, and involving one or more hazardous substances;

Kejadian seperti kehilangan pembendungan, kebakaran atau letupan akibat perkembangan yang tidak terkawal semasa operasi mana-mana kemudahan, dan membawa kepada bahaya yang serius kepada kesihatan manusia, harta atau alam sekitar, segera atau tertunda, di dalam atau di luar kemudahan, dan melibatkan satu atau lebih bahan berbahaya;

2. Any event involving major damage to the structure of the facility or plant affixed thereto or any loss in the stability of a facility, or

Apa-apa peristiwa yang melibatkan kerusakan besar kepada struktur kemudahan atau tumbuhan yang dilekatkan kepadanya atau apa-apa kerugian dalam kestabilan kemudahan, atau

3. Any other event arising from a work activity on the facility involving death or serious personal injury to three or more persons, on the facility or in neighbouring areas.

Sebarang peristiwa lain yang timbul daripada aktiviti kerja di kemudahan yang melibatkan kematian atau kecederaan peribadi yang serius kepada tiga atau lebih orang, di kemudahan atau di kawasan jiran.

WHAT IS MAJOR ACCIDENTS? APA ITU KEMALANGAN BESAR?



Reference: US Chemical Safety and Hazard Investigation Board



Reference: US Chemical Safety and Hazard Investigation Board

**FAILURE of BARRIERS can potentially cause a
MAJOR ACCIDENT EVENT**

**KEGAGALAN BARIER-BARIER BERPONTESI
MENYEBABKAN KEMALANGAN BESAR**



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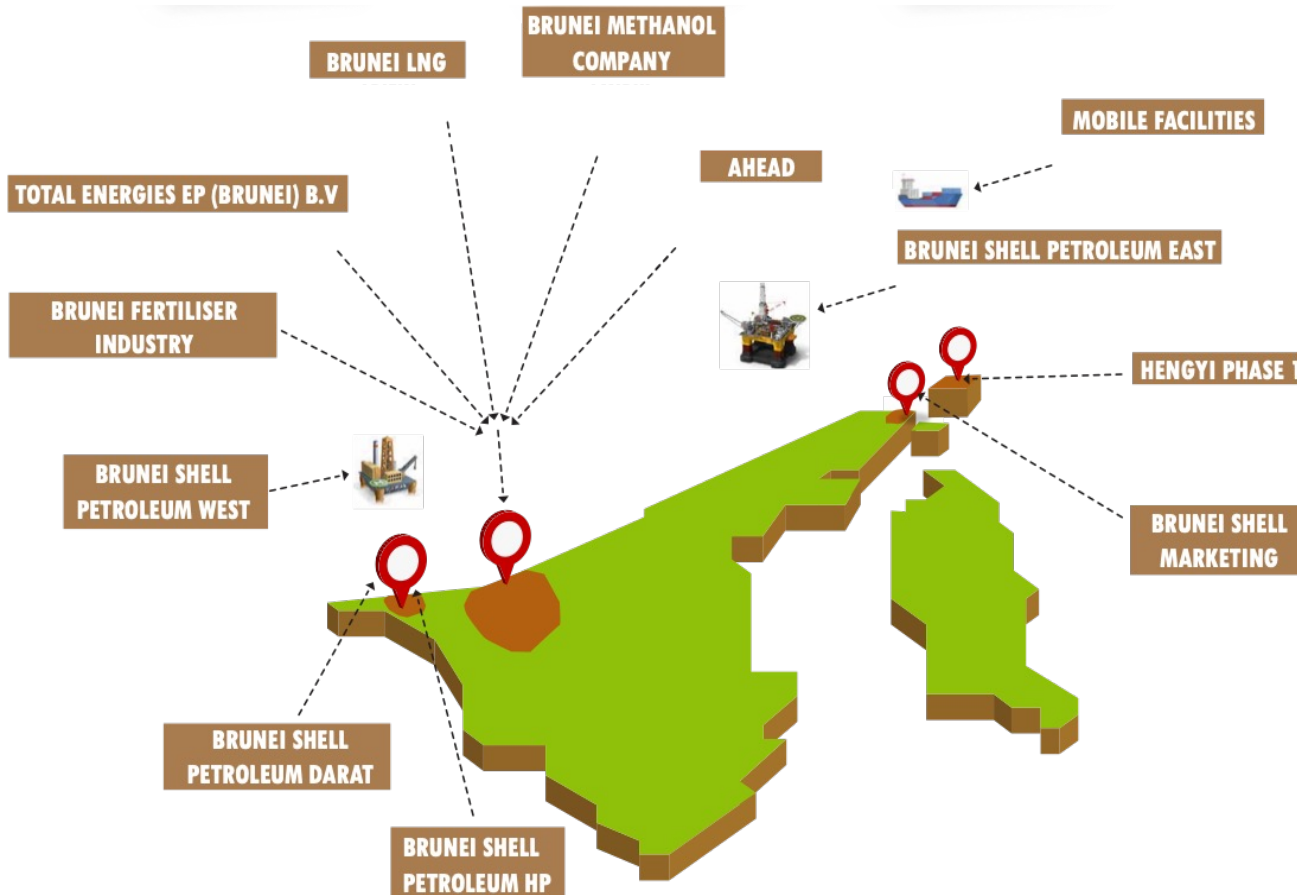
WHAT IS SAFETY CASE?

APA ITU KES KESELAMATAN?

SAFETY CASE / KES KESELAMATAN

A document produced by the operator (Duty Holder) of an Oil and Gas / Petrochemical company called a facility as a demonstration of evidence that it has the ability to operate a facility safely and the risk are kept are **"As low as reasonably practicable"**

Dokumen yang dihasilkan oleh pengendali (Pemegang Tugas) sebuah syarikat minyak dan gas/petrokimia yang dipanggil kemudahan sebagai demonstrasi bukti yang mempunyai kemampuan untuk mengendalikan kemudahan dengan selamat dan risiko disimpan adalah **"serendah yang dapat dilaksanakan secara munasabah"**





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SAFETY CASE PARTICULAR

KANDUNGAN KES KESELAMATAN

1



MAJOR ACCIDENTS HAZARD ASSESSMENT
PENILAIAN BAHAYA KEMALANGAN BESAR

2



INVENTORIES AND PROPERTIES OF HAZARDOUS
INVENTORI DAN SIFAT-SIFAT BAHAN BERBAHAYA

3



DESCRIPTION OF FACILITY
HURAIAN FASILITI

4



SAFETY CRITICAL PEOPLE, PROCEDURES AND
EQUIPMENT
PERSONEL, PROSEDUR DAN PERALATAN YANG
KRITIKAL UNTUK KESELEMATAN

5



COMBINED OPERATION
OPERASI BERGABUNG

6



WORKFORCE CONSULTATION PROCESS
PROSES KONSULTASI BERSAMA TENAGA PEKERJA

7

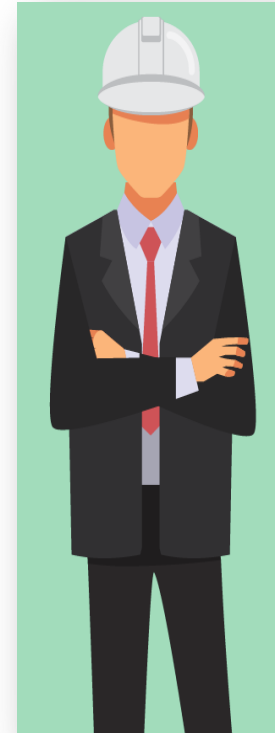


ONSITE EMERGENCY RESPONSE
PELAN RESPON KECEMASAN DI TEMPAT KAWASAN

8



OFFSITE EMERGENCY RESPONSE
PELAN RESPON KECEMASAN DI LUAR TEMPAT KAWASAN



DUTY HOLDER

- The Person who manages and has direct control of a facility;
- Where a facility is yet to be constructed or operated, the person who proposes to control its operation or, if that person is not known, the person who commissioned the design and construction of the facility; or
- The person who executes the function of organising, designing and supervising the drilling or service of a well and all operations to be carried out by means of that well

PEMANGGANG TUGAS

- Orang yang mengurus dan mempunyai kawalan yang langsung ke atas fasiliti;
- Jika fasiliti masih belum dibina atau beroperasi, orang yang memberi cadangan untuk mengawal operasinya atau, jika orang itu tidak dikenali, orang yang menugaskan rekabentuk dan pembinaan fasiliti itu; atau
- Orang yang melaksanakan fungsi mengatur, merekabentuk dan menyelia penggerudian atau perkhidmatan telaga dan semua operasi yang akan dijalankan melalui telaga itu

WORKPLACE SAFETY AND HEALTH
(FACILITIES) CONTROL OF MAJOR ACCIDENT
HAZARDS REGULATIONS, 2013



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PROCESS SAFETY DIVISION FUNCTIONS

FUNGSI BAGHAIAN PROCESS SAFETY

PROCESS SAFETY DIVISION FUNCTIONS

Regulate Oil, Gas and Petrochemical Facilities

Through the Assessment of: ■ Safety Cases ■ Notification of Wells Operations
■ Design Notification ■ Decommissioning & Restoration

COMAH Regulations, 2013

EXAMINATION AND CERTIFICATION OF SAFETY CASE
PEMERIKSAAN DAN PENSIJILAN KES KESELAMATAN

EXAMINATION OF NOTIFICATION
PEMERIKSAAN NOTIFIKASI

GENERAL ADVICE AND GUIDANCE ON REGULATORY HSE TO INDUSTRY
MEMBERI NASIHAT DAN PANDUAN MENGENAI HSE KEPADA INDUSTRI DAN ORANG AWAM





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**A Safe and Healthy Working Environment
 as a Fundamental Principle and Right at Work
 in Oil, Gas and Petrochemical Industries**
**Persekitaran Kerja yang Selamat dan Sihat
 sebagai Prinsip Asas dan Betul di Tempat Kerja
 dalam Industri Minyak, Gas dan Petrokimia**

**AUTHORITY
 RESPONSIBLE**

**(PIHAK KUASA YANG
 BETANGGUNGJAWAB)**

Safety, Health And Environment National Authority
Autoriti Kebangsaan Keselamatan, Kesihatan dan Alam Sekitar

COLLABORATION

(KERJASAMA)

SHENA - Duty Holder - Employer - Workplace Safety and Health Officer
SHENA – Pemegang Tugas - Majikan - Pegawai Keselamatan dan Kesihatan di Tempat Kerja

**LEGAL
 FRAMEWORK**

(UNDANG-UNDANG)

- Safety, Health and Environment National Authority Act, Chapter 227
- Workplace Safety And Health Order, 2009 particularly the Workplace Safety and Health (Facilities) (Control of Major Accident Hazards) Regulations 2013



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A Safe and Healthy Working Environment as a Fundamental Principle and Right at Work in Oil, Gas and Petrochemical Industries

Persekitaran Kerja yang Selamat dan Sihat sebagai Prinsip Asas dan Betul di Tempat Kerja dalam Industri Minyak, Gas dan Petrokimia

ASPIRATION

SHENA Vision : Ensuring Brunei a Safe Place to Work and Live
(Ke arah memastikan Brunei menjadi tempat yang selamat untuk bekerja dan tinggal)

Wawasan Brunei 2035 : High Quality of Life
(Kualiti kehidupan yang tinggi)

Maqasid Syariah : Preservation and Promotion of Life
(Pemeliharaan dan penjagaan nyawa)

FOCUS AREA PROGRAMME

Prevention of Leaks through **Asset Integrity** and **Well Integrity**
(Pencegahan kebocoran melalui integriti aset dan integriti telaga minyak)

RECORDING AND NOTIFICATION SYSTEM

Regulation of 25A of COMAH 2013 **Duty to report major accident to competent authority** within 6 hours of the occurrence

(Kewajipan melaporkan kemalangan besar dalam tempoh 6 jam daripada kejadian itu)



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National Authority

WDSHW

WORLD DAY FOR SAFETY AND HEALTH AT WORK 2023

SHENA ROADSHOWS

16 MAY 2023 | 23 MAY 2023 | 30 MAY 2023 | 06 JUNE 2023

DOWNLOAD SLIDES HERE



OR GO TO SHENA WEBSITE
MEDIA CENTRE / OUTREACH PROGRAMME
CLICK ON 'VIEW PDF'



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WDSHW

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