

ATKINS

Car Parking

A Health and Safety Perspective

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Plan Design Enable

An abstract graphic consisting of several overlapping triangles. A large green triangle is at the bottom. A red triangle is on the left, overlapping the green one. A yellow triangle is on the right, overlapping both the red and green ones. The overall shape is a jagged, upward-pointing form.

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Introduction

HEALTH AND SAFETY

Is a condition free from risk of injury or threat to health and well-being.

Is not the absence of accidents, but a result of all persons taking positive actions to identify accident causes and implement and maintain suitable preventative measures.

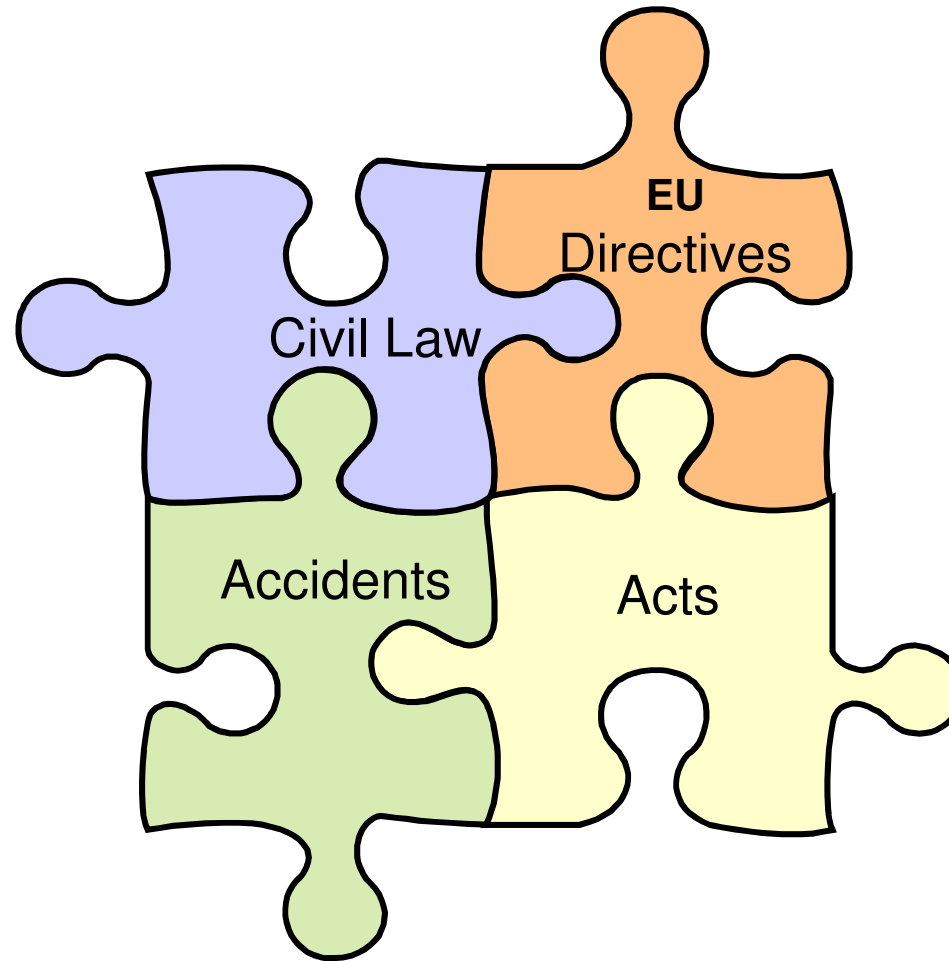
Is an objective to be achieved, not a natural state of affairs.

Introduction

PROMOTION OF HEALTH & SAFETY

- **Why we need to promote Health and Safety**
 - Moral
 - Legal
 - Economic
 - Contractual Duty

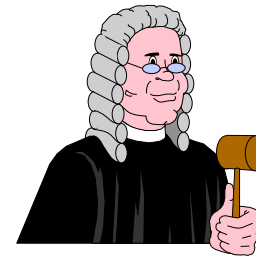
Legislation



Legislation

Civil Law

- Based on Common Law Duty of Care
- Defined by Judicial Precedent
- Sue For Compensation
- Decided on the Balance of Probability



Legislation

Civil Law

Duty of Care

- Proper and safe plant and appliances for the work
- Safe system of work
- Safe premises
- A competent staff of fellow employees
- Adequate supervision and instruction

Vicarious Liability

Employer is liable for the consequences to others, for the actions of employees when at work.

Contributory Negligence

Legislation

Criminal Law

- Law of the Land
- Set by Parliament
- Fines and/or Imprisonment
- Case must be proved Beyond Reasonable Doubt



European Directives



Regulations

A.C.O.P.s

Guidance Notes

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Legislation

Health & Safety at Work Etc. Act 1974

Employers Duties to Employees

So far as is reasonably practicable

- Safe plant and systems of work
- Safe storage, handling, use and transportation of articles and substances
- Information, training, instruction and supervision
- Safe access and egress
- Safe working environment and adequate welfare facilities



Legislation

Health & Safety at Work Etc. Act 1974

Employers Duties to Employees Cont'd.../

Shall

- Prepare and communicate a written safety policy
- Consult with safety representatives and form a health and safety committee

Employers Duties to Non-Employees

- Not to put persons who may be affected by work activities at risk

Legislation

Health & Safety at Work Etc. Act 1974

Employees Duties

- Take reasonable care for health and safety of themselves
and others
- Co-operate with employers and managers to enable them
to comply with their duties
- Not to act recklessly or interfere with safety equipment

Legislation

Health & Safety at Work Etc. Act 1974

Managers

- To establish and maintain safe conditions and practices
- To ensure persons working under their control are working safely

Not forgetting the Corporate Manslaughter Act

- *Strengthens existing legislation*
- *Grave Criminal Offence*
- *Greater Stigma*

Legislation

Construction (Design and Management) Regulations 2007

A Total Management Concept

Applies to most Construction Projects

Aims to reduce accidents in the Construction Industry

Sets out Responsibilities and Duties of those in control

Sets out minimum documentation to help provide flow of information

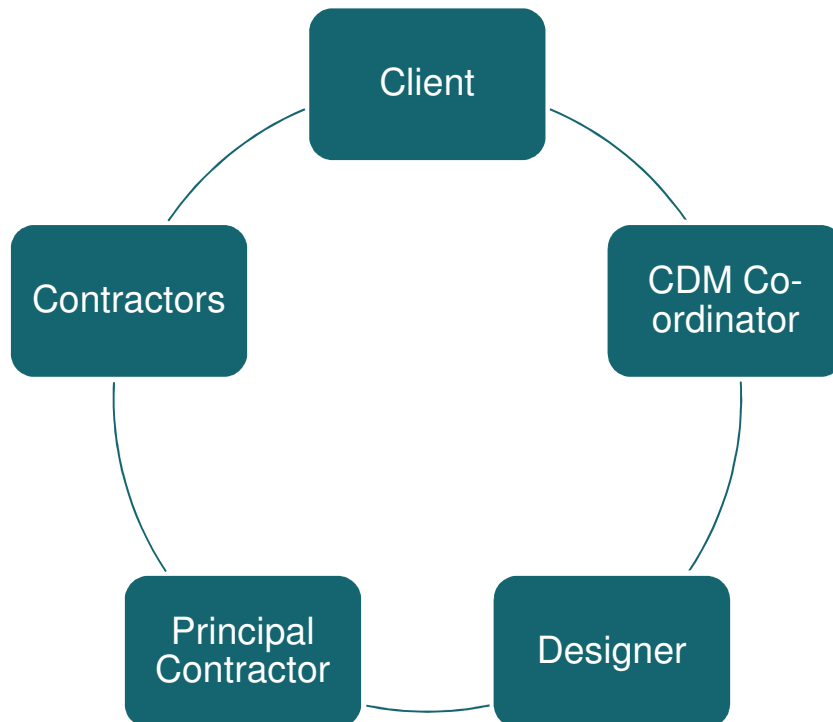
“The right information to the right people at the right time”

Ensures Competence

Legislation

Construction (Design and Management) Regulations 2007

DUTY HOLDERS



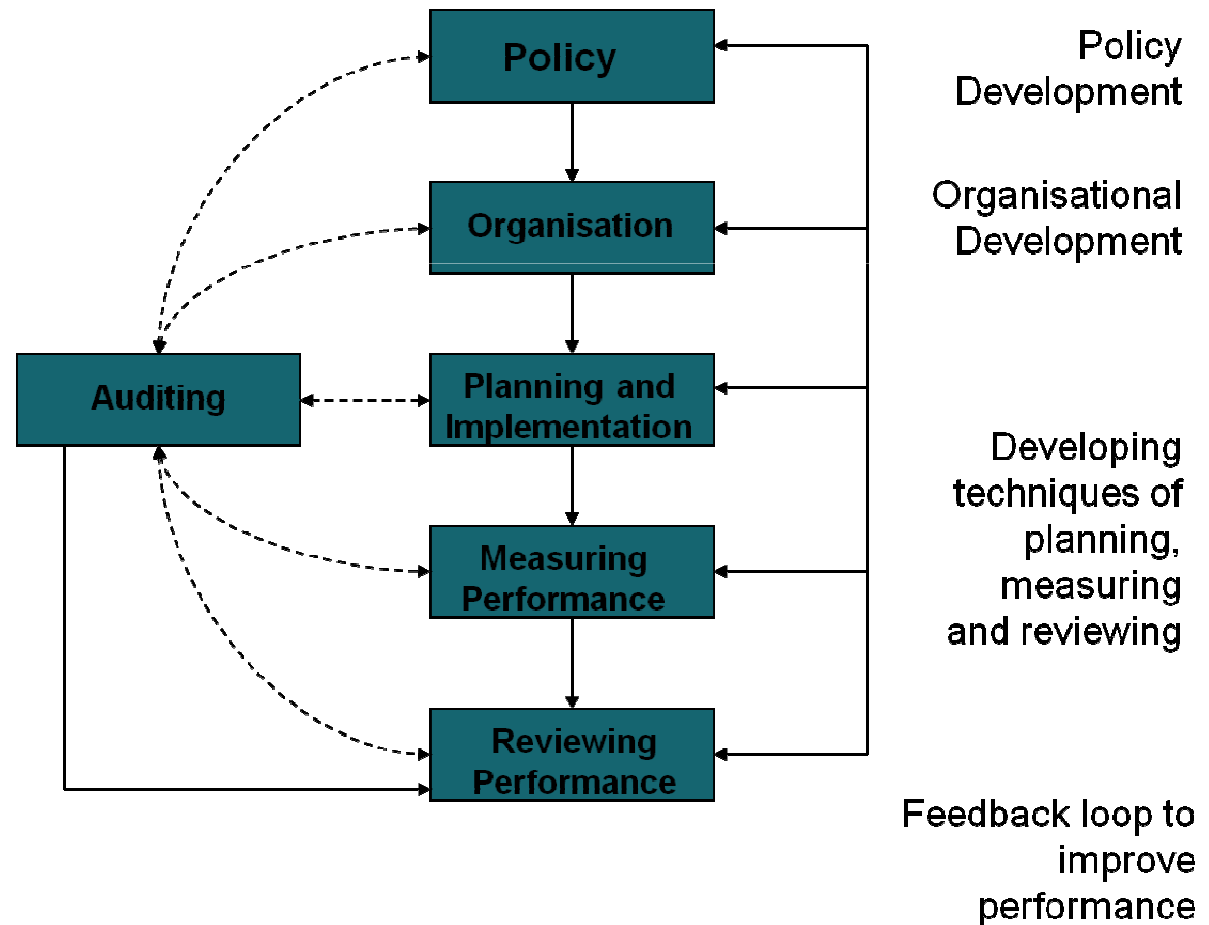
KEY INFORMATION



Management Systems

Examples include :-

- HSG 65
- BS 8800
- OHSAS 18001



Management Systems

Written Health & Safety POLICY should contain :-

- General statement
 - Organisation
 - Arrangements



Management Systems

ORGANISATION - Health & Safety Arrangements

- Management Systems
- Risk control Procedures
- Workplace Precautions

Key Organisational Features include :-

- Control
- Competence
- Co-operation
- Communication
- Policy formation
- Organisational development
- Planning and implementing
 - Monitoring
 - Reviewing
 - Auditing

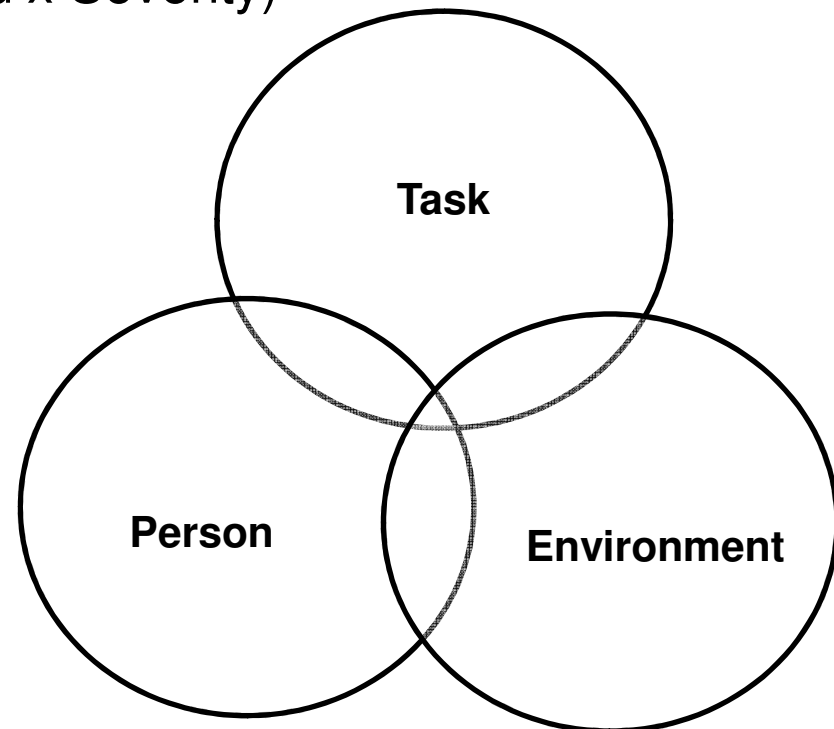
Management Systems

Risk

Likelihood of a hazard being realised and its consequences

- Estimated by :- Probability x Consequence
(Likelihood x Severity)

Risk Assessment is a process by which hazards are identified and the risks assessed so that controls can be established to reduce the risks to an acceptable level

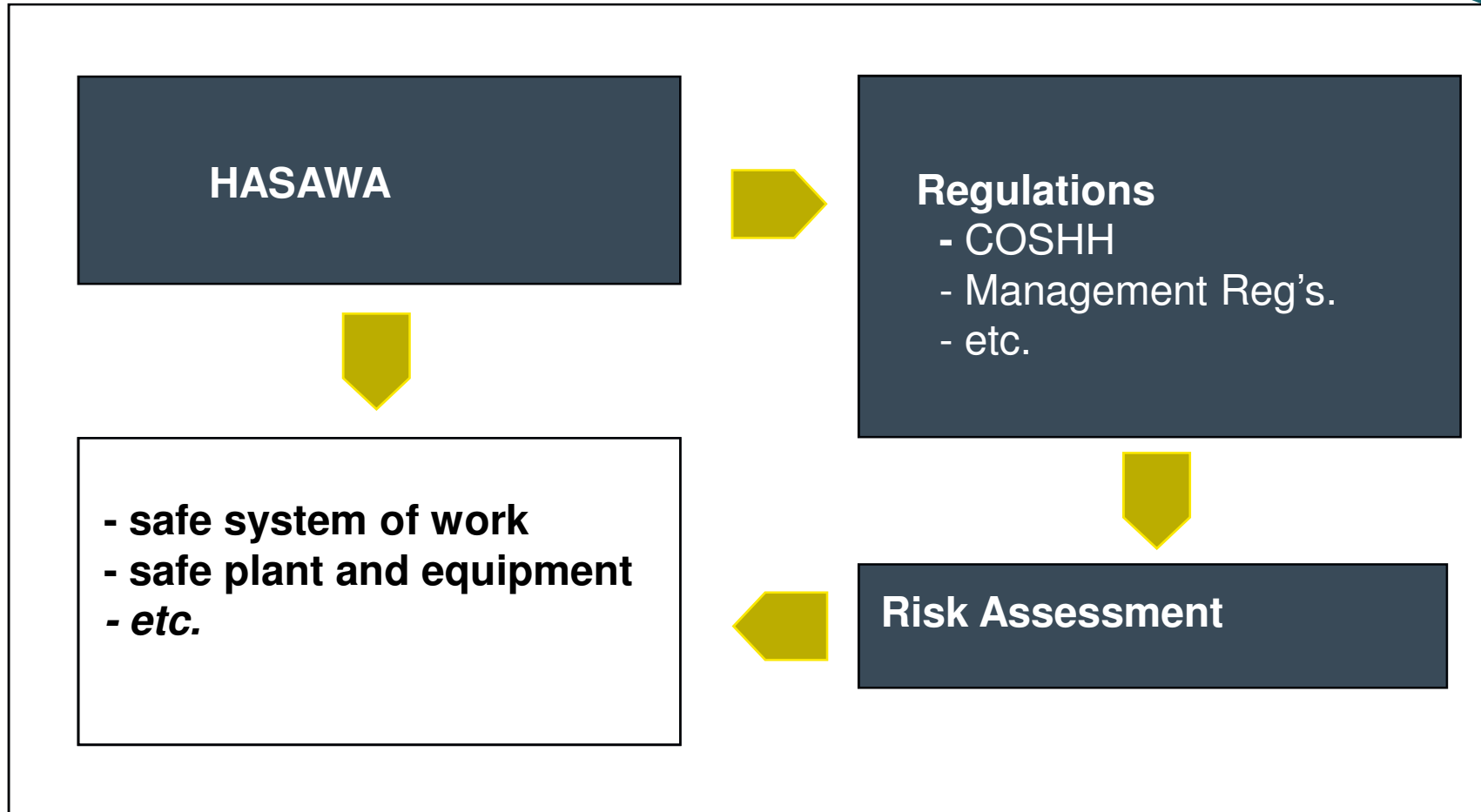


Purpose

To help determine control measures to reduce risk - To reduce losses

Management Systems

Risk Assessment



Management Systems

Hierarchy of Control Measures

Elimination

Reduction

Isolate / Enclose

Control Procedures, Safe Systems of Work

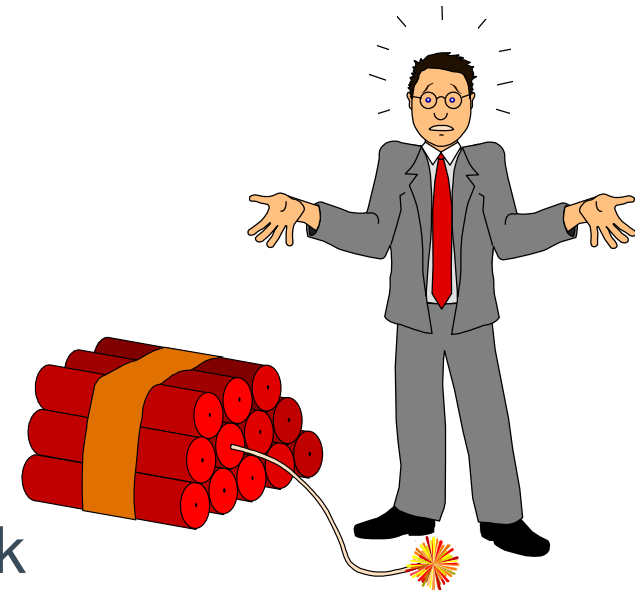
Information, Instruction, Training and Supervision

Personal Protective Equipment

■ *Technical Controls*

■ *Procedural Controls*

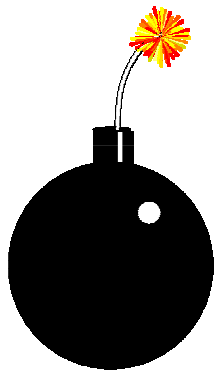
■ *Behaviour Based Controls*



Management Systems

Risk Assessment

Preventative and Protective Control Measures



HAZARD



CONTROLS



PERSON/OBJECT

Management Systems

Risk Assessment Process

1. Identify the hazards
2. Identify persons/property/environment affected
3. Assess the risks / estimate acceptability
4. Determine preventative / protective measures
5. Record, monitor and review

Suitable and Sufficient?

People at Risk?

Management Systems

Risk classification and required action:

Probability (P) *		Severity (S) *					
		0	1	2	3	4	5
		No harm	Minor harm	Moderate harm	Serious harm	Major harm	Catastrophic harm
0	Almost impossible	-	-	-	-	-	-
1	Extremely unlikely	-	1	2	3	4	5
2	Unlikely	-	2	4	6	8	10
3	Likely	-	3	6	9	12	15
4	Extremely likely	-	4	8	12	16	20
5	Almost certain	-	5	10	15	20	25

Management Systems

Accidents & Incidents

Definition

An **ACCIDENT** is an 'unplanned' event which results in, or has the potential to result in...

Immediate Reporting

- Accident resulting in death or specified injury to employee
- Listed Dangerous Occurrence
- Member of public taken to hospital



Management Systems

Monitoring Performance

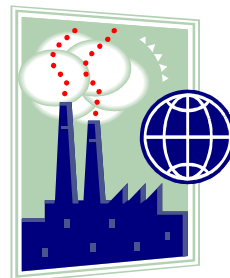
Acceptable standards of performance

Highlights areas of concern

May be **REACTIVE** or **PROACTIVE** monitoring



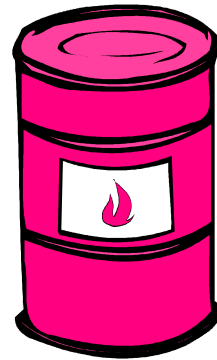
COMMON WORKPLACE HAZARDS



Common Workplace Hazards

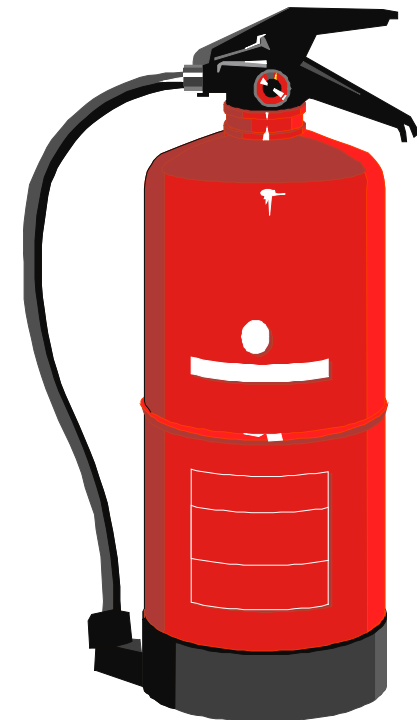
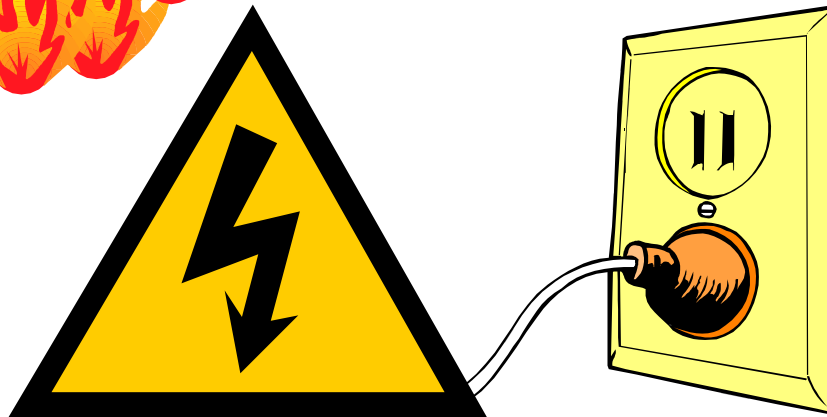
Fire and Electrical Safety

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3 Elements Required

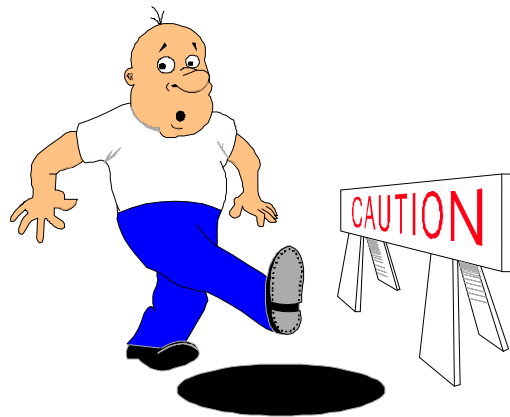
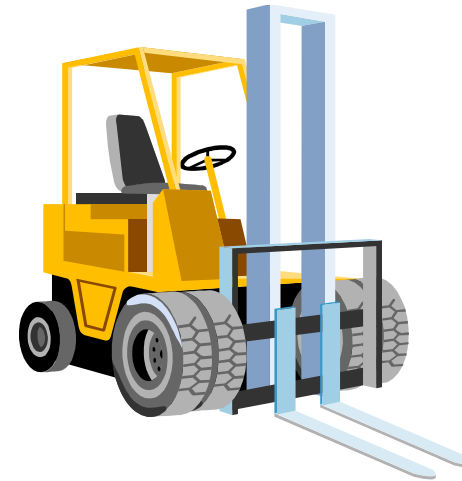
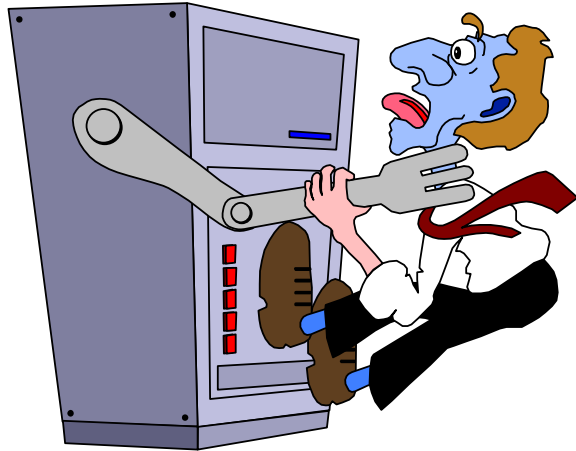
- Fuel
- Heat
- Oxygen



Common Workplace Hazards

Machine Safety - Slips, Trips and Falls
Vehicle Safety

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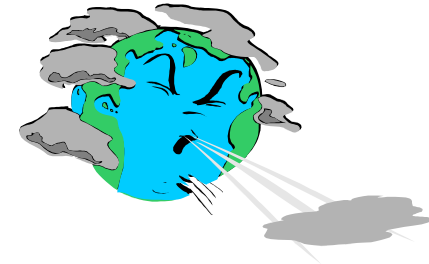
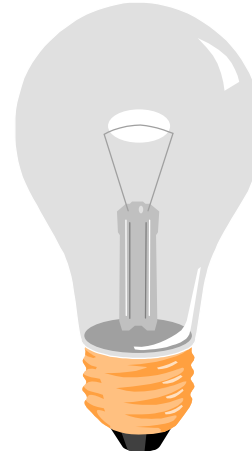


Common Workplace Hazards

The Workplace

Minimum Requirements for :-

- Toilets
- Washing Facilities
- Rest Facilities
- Drinking Water
- Facilities For Eating
- Non-smoking Facilities



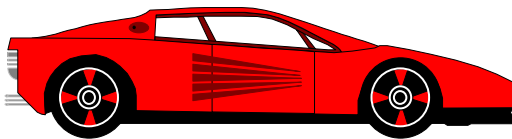
Common Workplace Hazards

Manual Handling, Noise at Work
Hazardous Substances

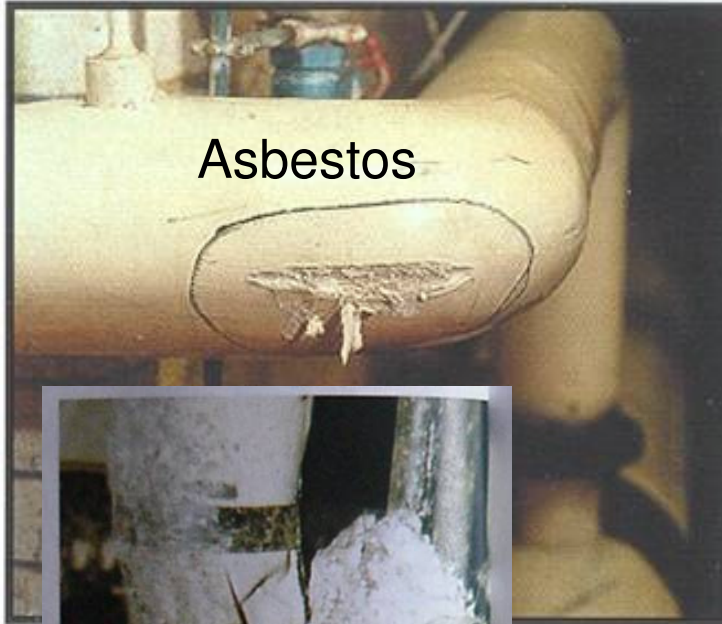
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70 - 80 dB(A)



Common Workplace Hazards



Confined Spaces



Demolition



Collapse



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Car Parking

A Health and Safety Perspective

**Thank you for
listening!**

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Plan Design Enable

