



Management Pty. Ltd.
global sustainable risk control

HEALTH AND SAFETY TRAINING
PROPOSAL

**HAZARD IDENTIFICATION AND
RISK ASSESSMENT COURSE**

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INTRODUCTION

Health and safety risk management has become an important aspect to all businesses that wish to improve efficiencies in their operations as well as being a requisite of legislation such as the Occupational Health and Safety Act, the Mines Health and Safety Act, the Compensation for Occupational Injuries and Diseases Act and requirements such as the King Report on Corporate Governance.

An accurate, thorough and detailed risk assessment is therefore important for industries to compile but is yours detailing hazards and risks correctly or are you measuring the incorrect issues?

COURSE OUTCOMES

In order to improve efficiencies in your organisations operations, it is important that all hazards are identified and eliminated where practical and at the same time risks are identified and reduced to acceptable levels to ensure that the operations can be completed as safely as possible.

It is therefore important that persons know what a hazard is (HINT: a Hazard is **NOT** an activity such as working at heights) and how to eliminate such hazards. It is also important to know how to calculate the risk of the hazards to their operations, when the risk is unacceptably high and what steps should be followed in managing these risks (HINT: you **CANNOT** eliminate a risk!)

It is also important for persons doing HIRA to use validated methods that offer repeatable and accurate results and they must therefore use different tools in this process so that their HIRA's actually offer concrete gains to the operation. (HINT: a checklist is **NOT** a validated HIRA tool!). With GSRC Managements Hazard identification and Risk Assessment course the above requirements and more are effectively dealt with so ensuring that HIRA is done above and beyond the requirements of the law.

CULMINATING OUTCOMES

On completion of this course the learner will be able to assist management to ensure not only compliance is met at all workplaces where machinery is used but that operations are improved through effective management of risk resulting in improved bottom line performance for the department and the organisations.

The learners will also be able to answer and implement the following questions:

- Legislation and health and safety.
- How to provide and maintain a healthy and safe working environment?
- What are hazards?
- What are risks?
- What is the interaction that results in incidents taking place?
- How to eliminate hazards and reduce risks effectively.
- What different tools should be utilised to identify hazards?
- How do we calculate risk?
- How to prove reasonably practicable has been adhered to.



TARGET GROUP

- All levels of Management
- Supervisory employees
- Contractors
- SHE/Risk practitioners

COURSE CONTENT

Module 1

HIRA Glossary of terms

- Abbreviations and Definitions

Module 2

Overview of Risk Management

- Fundamental principles of integrated risk management
- Risk control
- Behavioural Engineering & risk management
- Outcomes of effective risk management

Module 3

HIRA in Industry

- OHSAS 18001 and HIRA
- HIRA versus compliance & growth
 - Legal / Moral / Financial
 - Organisational loss exposure
 - Consequential loss exposure
- Baseline Assessment
- Issue based Assessment
- Continuous based Assessment

Module 4

Hazards / Events / Risks

- Hazard classification
- Energies and events
- Risk classifications
 - Micro / Macro

Module 5

Legislative Requirements with HIRA

- Specific legal HIRA requirements
- Reasonably practicable and HIRA
- Provide vs maintain
- Legal Liability

Module 6

Hazard Identification

- Introduction to hazard identification
- Team selection
- Hazard Identification Tools
 - Fault tree analysis
 - Critical task analysis
 - Job hazard analysis
 - Hazop studies
 - Structured What If Analysis
 - Process assessment
- Clean page assessment
- Addressing the events / energies
- Looking beyond and seeing the not so obvious

Module 7

Risk Assessment / Methodologies

- Objectivity and accuracy
- Assessment methodologies
 - Qualitative & quantitative
- Likelihood / exposure / consequences
- Prioritising of risks
- Making the likelihood accurate

Module 8

HIRA Administration

- Risk registers
- Risk controls form the assessment
- Legislative reference to assessment
- Training & education
- Rolling out HIRA to the workforce
 - Mini HIRA
- Ensuring compliance with legislation
- Alignment with ISO & OHSAS
- Keeping the process safe