YN SAFETY AND HEALTH
CONSULTANCY SERVICES (M) SDN BHD
优 能 安 全 培 训 机 构

Process Safety Management Level 3 - Process Hazard Analysis and HAZOP Coordinator (2 days)

INTRODUCTION

Process Hazard Analysis (PHA) is a systematic approach used to identify, analyze, and control hazards associated with hazardous processes. This training provides participants with practical knowledge and facilitation skills in PHA tools and HAZOP methodology to effectively identify process hazards, evaluate risks, and recommend appropriate control measures.

HRDF SBL-KHAS Claimable

OBJECTIVE

Participants will be benefit by being able to:

- Understand common PHA tools and methodologies
- Apply HAZOP methodology and guidewords effectively
- Identify process deviations, causes and consequences
- Evaluate safeguards and recommend additional controls
- Facilitate and participate in HAZOP studies confidently



COURSE CONTENTS

PHA Tools & Techniques	- Checklist, What-If and 5 Why - FMEA and Fault Tree Analysis (FTA) - Bow Tie Diagram applications
HAZOP Fundamentals	- HAZOP objectives and methodology - HAZOP roles and responsibilities - P&ID review and node selection
HAZOP Analysis & Facilitation	- Guidewords and process deviations - Causes, consequences and safeguards - Recommendations and HAZOP reporting
Workshop & Practical Application	- HAZOP workshop preparation and rules - Mock HAZOP session and case study - Node analysis, coaching and group exercise

ABOUT SPEAKER



Trainer: Zulkarnain Mohd Said

Education
Master in Occupational Safety and Health, UTM

Qualification
34 years of experience in Oil and Gas industry.
Last position as Head, Operational HSE and Head of Quality, Health, Safety, Security and Environment with oil and Gas Company.
Vast knowledge and Experience with oil and Gas Industry.
Lead and Responsible for Process Safety Management matters for Shell Refining Company.

CERTIFICATION

Certificate of Attendance

TARGET GROUP

HSE/Safety Engineer, Process/Mechanical/Instrument Engineers, Safety Officer & Safety Managers
Operation & Maintenance Personnel, Personnel selected as HAZOP Facilitator or Team Member
*** Maximum 25 pax per group**

METHODOLOGY

Theory Presentation	**Workshop & Group Exercise**
Case Study Discussion	**Practical HAZOP Session**

FOR MORE DETAIL, PLEASE CONTACT

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Other Safety and Health Consultancy Services are provided. Please contact to get more details.