MATRIX HSE
RESOURCES

Train Today, For a Better Tomorrow.

HAZARD IDENTIFICATION, RISK ASSESSMENT & RISK CONTROL (HIRARC)

DATE: 23 - 24 APRIL 2026

1.RM 648 per pax (Online Transfer) (Inclusive 8% SST)
2.RM 756 per pax (HRD Corp) (Inclusive 8% SST)

PROTECTING PEOPLE, PROPERTY & ENVIRONMENT

TRAINING HIGHLIGHTS

- Understand the concepts of hazard, risk, and danger in the workplace.
- Apply the HIRARC process to identify workplace hazards effectively.
- Conduct risk assessment using likelihood and severity principles.
- Interpret and use risk assessment matrices (qualitative, semi-quantitative, and quantitative).
- Evaluate risks based on the ALARP principle and determine appropriate control measures.
- Complete and understand a HIRARC risk assessment form correctly.
- Improve workplace safety through systematic hazard identification and risk control planning.

Duration: 9:00 AM - 5:00 PM, 2 Days

Venue: Matrix HSE Resources Sdn Bhd, No. 11a, Jalan Puchong Permai 2, Taman Puchong Permai, 47100 Puchong, Selangor

REGISTER TODAY

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Training Session Plan

Tittle	:	Hazard Identification Risk Analysis and Risk Control Training (HIRARC)
Date	:	TBA
Duration	:	9:00AM - 17:00PM
Venue	:	Client's Training Room / Matrix Training Room

Objective By end of the session, the participants will be able to :
1. To define hazard, risk and danger
2. Understanding risk assessment process
3. Method of identifying hazard
4. Understanding risk assessment matrix

DAY 1 :

	Learning Point	Resources	Method	Time
Content	Introduction Overview on what participants will learn in these 1-day training a. Topic Introduction b. Self-Introduction c. Learning Outcome (minimum 3 items) d. Have a basic understanding of the purpose, concepts of PPE and when PPE is necessary e. Training Scope f. Question and answer g. Assessment Briefing	Introduction Slide Training Note	Lecture	09:00 - 09:15
	Icebreaker Scream out together – Safety first	Icebreaker	Lecture	09:15 - 09:30
	Question 1: a. What is the meaning of Hazard? b. What is the example of each type of hazard?	Questions	Lecture	09:30 - 10:00
Morning Break				10:00 - 10:15
Content	Activity 1: Start the activity by dividing participants into four groups Each group will be list out what is the hazard that they can found in surrounding are in the training area by 1 sample of hazard, each group need to select a volunteer to be a data writer and present towards all audiences. Most probably all the answer is correct, congratulate them all.	Props (Training Space)	Activity and slides	10:15 - 11:00
	Body 1. HIRARC definition 2. Basic principle of risk management 3. Risk Assessment 4. Identifies on what is risk assessment 5. Risk is an outcome from L X S 6. Component of risk management 7. HIRARC process	Module & Slide Presentation	Lecture	11:00 - 12:00
	Question 2: a. What is the principle of the risk management? b. Describe the component of risk management	Questions	Lecture	12:00 - 13:00
Lunch-Break & Prayers				13:00 - 14:00

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Content	8. Hazard Identification a. Method identifying hazards 9. Hazard analysis a. Method used 10. Likelihood a. Determining Likelihood 11. Severity a. Determining Severity	Module & Slide Presentation	Lecture	14:00 - 15:00
	Activity 2: Who's the fastest by Kahoot Apps Participants will be instructing to use their internet medium such as handphone or laptop. In case of internet of each participant in bad coverage, ask them to use the hotel internet Wi-Fi accommodation. Access in the kahoot page, and log in into the kahoot question by key in the code number. They will complete to answer the 8 questions base on previous lecture. The winner will be chosen base on top 3, and prizes/reward will be given. Explain the interactive lesson that can be come out from this quiz and activity	Slide with the Kahoot apps	Question with 4 selection answer and true or false	15:00 - 15:45
Tea Break				15:45 - 16:00
Content	12. Risk a. Type of risk assessment Explanation about 3 type of risk assessment 13. Related risk assessment table a. Explanation regarding risk table b. Qualitative table c. Semi qualitative table 14. Quantitative risk assessment a. Briefing about quantitative risk assessment 15. ALARP a. Decision for action explanation b. ALARP principle 16. HIRARC Form a. Risk Assessment form familiarize	Module & Slide Presentation	Lecture	16:00 - 16:45
	Q&A and Conclusion a. Briefing on HIRARC impotencies and future planning	Picture and video	Q&A	16:45 - 17:00