

# 1-Day Webinar Course on “Managing Risk in Project Management”

Short exercises covering key concepts will be carried out to ensure that participants obtain the benefits of the course. The course is fashioned to be pragmatic and applicable to projects in any industry. Risk Management is a strategic tool for large magnitude and complex projects and hence this course would be extremely relevant for project stakeholders who have KPIs of cost and time which are highly constrained in this economic environment.



## TARGET PARTICIPANT Engineers & Managers

**Speaker – Ir. Faizal A. Sanusi**

**Session 1: 27<sup>th</sup> April 2022  
 (Wednesday : 1.00pm – 5.00pm)**

**Session 2: 28<sup>th</sup> April 2021  
 (Tuesday: 1.00pm – 5.00pm)**

**Online – Webinar (via Zoom)**

## COURSE MODULES

### INTRODUCTION

- Definition
- How was risk treated conventionally
- What happens if risks are not considered in projects
- Risks in various phase of the project
- Benefits of Risk Management

### RISK PLANNING – The Risk Management Plan (RMP)

- The purpose of the RMP (specific to organisation)
- Corporate Risk Portfolio Management
- Organization roles
- Tools used in the risk plan
- Frequency of risk assessment

### THE RISK MANAGEMENT PROCESS

- Creating the Risk Matrix
- Defining Risks Likelihood by Categories
- Defining Risks Impact by Categories
- Risk Identification
  - ✓ Sources of input (PMT, Lessons Learnt database, industry data)
  - ✓ Regular meetings/Ad Hoc input
  - ✓ Need to regulate and moderate (who and how)
  - ✓ Risk Register
- Qualitative and Quantitative Risk Assessment (Tornado Charts & Monte Carlo Simulation)
- Risk & Mitigation Prioritization
- Decision Gate – Process as is/Mitigate/Terminate
- Mitigation Measures – Monitoring & Control

## COURSE SYNOPSIS

Real world situations exist in an imperfect realm where our actions are based on a mixture of theory, practical knowledge, empirical data and even gut feeling. Hence, the notion of determining an absolute outcome is in itself an uncertainty. In managing projects there are many events which have uncertainties that affect the project in terms of its cost, schedule and quality of the works. These events having a range of unfavorable outcomes are called risks which increases the complexity of projects. The greater the magnitude of the project, the greater the complexity as the number of activities for large projects will contain inherent uncertainties having compounding effect on the project outcome in terms of cost and schedule.

The challenge for the Project Manager or Project Management Team (PMT) is to identify, assess and prioritise the project risks and to subsequently monitor and close out the preventive and mitigating measures.

The objective of this course is to provide a structured practical approach to the participants on the methodology of how to manage risks in a project with the ultimate aim of improving project success.

CONCEPT	TOOLS
Risk Management Plan	Risk Register
Organization Roles in Risk Management	Tornado Charts
Risk Identification	Monte Carlo Simulations
Risk Analysis (Qualitative & Quantitative)	Action Tracker
Lessons Learnt	

## SPEAKER'S BIODATA

Ir. Faizal A. Sanusi has served the Project Management Technical Division in IEM since 2005, including as its Chairman in 2012.

He has a BSc in Civil Engineering from the George Washington University, USA in 1988 and an MBA from Open University, Malaysia in 2005.

His engineering and project management experience spans across the oil & gas and building industry since he began his career 30 years ago. In his career, he has performed various roles ranging from design engineer, resident engineer, project engineer and project manager for a myriad of engineering projects – civil Infrastructure works, commercial buildings including an intelligent office institutional building, gas processing plants, offshore gas pipeline installations and offshore gas producing platforms. He also challenged himself as an entrepreneur in the business of facilities management for oil and gas on-shore installations and has provided trainings in various project management topics to the Royal Malaysian Navy and private commercial property developers.

Some of his notable career highlights as follows:

- Project Advisor and Project Services Manager for Oil & Gas Exploration & Production MNCs
- Project Services Division Head for a local Offshore Oil & Gas Service Provider
- Project Manager for the Malaysian Securities Commission 4 star intelligent building project
- Director of a local Facilities Management company overseeing Oil & Gas O&M projects

While he is currently the Principal Consultant of Centaur Project Controls Sdn. (a Project Management consulting firm), he mainly indulges his time in creating project management microapps to aid him in his profession.

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Registration Fees	Online	Onsite/Physical
IEM Members	RM405.00	RM530.00
Non-IEM Members	RM562.00	RM689.00

## DURATION

Session 1 – 27<sup>th</sup> April 2022, Wednesday (1.00pm – 5.00pm)

Session 2 – 28<sup>th</sup> April 2022, Thursday (1.00pm – 5.00pm)

Online – Webinar (via Zoom)

Speaker – Ir. Faizal A. Sanusi

No	Name(s)	M'ship No.	Grade	Fee (RM)*
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