

# Managing Multiple Malfunctions in Power Plants

Course Code: EPG13

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## COURSE OBJECTIVES

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Upon completion of this course, participants will be able to:

- Manage multiple malfunctions in power plants to maintain plant operations.
- Conduct investigations on malfunctions, operation abnormalities and trip incidents.

## MAIN CONTENTS

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- Power Plant Normal and Emergency Shutdown
  - Normal and Emergency Shutdown
  - Procedure for Unit Shutdown
  - Fire Protection of GT and ST
- Conduct Unit Trip Investigation
  - Purpose of Incident Investigation
  - Investigation Procedures, Concepts and Techniques
  - Event Sequencing Techniques
  - Electricity Act, Regulations and Regulatory Conditions
  - Root Cause Analysis (RCA) Framework and Methodology
  - Techniques of Incident Report Writing
  - Accident Causation Theories and their Applications
  - Standard Operating Procedure
- Standardised and Systematic Approach to Handle Multiple Malfunctions
  - Multiple Equipment Failure

## METHODOLOGY

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Lecture and hands-on Simulator Training

## TARGET AUDIENCE

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Strictly for engineering and technical staff working in the power generation industry

## COURSE DETAILS

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Duration	:	14 hours
Mode of Delivery	:	Face-to-Face
Certification	:	SIPG Certificate of Completion and WSQ Statement of Attainment [SOA]
PDU by PE Board	:	Pending
Additional Requirement/s	:	Not applicable

## COURSE FEES

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Full Course Fee	:	S\$1,400 (before GST)
For Singapore Citizens/PR/LTVP+*	:	S\$420 (before GST)
For Singapore Citizens (40 years old and above)	:	S\$140 (before GST)

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## ADDITIONAL REMARKS

- Trainee must attain at least 75% attendance rate and pass the assessment to receive Certificate of Completion and funding grant (if applicable).
- Subsidy of up to 70% is applicable for Singapore Citizens, Permanent Residents or Long-Term Visitor Pass Plus (LTVP+) Holders, subject to funding agency's approval.
- Enhanced subsidy of up to 90% is applicable for Singapore Citizens aged 40 years and above, subject to funding agency's approval. Note that GST payable will be computed from fee after 70% funding.
- Professional Development Unit (PDU) is applicable for Professional Engineers registered under the Professional Engineers (PE) Board only.
- All published fees are subject to prevailing GST.

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## CONTACT US

For more information, please contact SIPG at +65 6916 7930 or email [training-institute@spgroup.com.sg](mailto:training-institute@spgroup.com.sg).

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