

Power Plants Maintenance Principles and Strategies

Course Code: EPG04

SFC-Eligible | Course Reference Number: TGS-2022014323

COURSE OBJECTIVES

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

- Gain an overview of the concepts and methodologies for plant maintenance activities
- Gain appreciation of operational, corrective and preventive maintenance plans and schedules to minimise downtimes and ensure secure power supply
- Understand design, construction and operation-related risk sources to avoid failures and defects
- Enhance life cycle of critical infrastructure and technical equipment to increase production capacities

MAIN CONTENTS

- Principles of Maintenance Engineering
 - Plant performance: needs and demands
 - Assessment and extension of plant life
 - Maintenance: cost versus investment
- Standardisation and Regulation
 - Overview of national and international regulations
 - Impacts of industry standards on daily operations
 - Best practices
- Operational maintenance
 - Value of routine and regular maintenance services
 - Operational performances and limits under varying stress situations
 - Operational risks factors and influence of onsite conditions
- Case studies – Corrective and Preventive Maintenance

METHODOLOGY

Lecture

TARGET AUDIENCE

Engineering and technical staff working in the power generation industry

COURSE DETAILS

Duration	:	14 hours
Mode of Delivery	:	Face-to-face or Synchronous E-learning
Certification	:	SIPG Certificate of Completion
PDU by PE Board	:	Pending
Additional Requirement/s	:	Not applicable

COURSE FEES

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)

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.

CONTACT US

For more information, please contact SIPG at +65 6916 7930 or email training-institute@spgroup.com.sg.

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