

Power Plant Operations and Performance

Course Code: EPG12

COURSE OBJECTIVES

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

- Manage advance power plant operations to ensure the efficient generation of reliable and stable electricity in accordance to standard operating procedures and organisational requirements
- Perform planned outages according to standard operating procedures to maintain power plant operational efficiency

MAIN CONTENTS

- Environmental, Occupational Health and Safety Legislation and Regulations
 - Power Plant regulations
- Power Plant Equipment and System Locations and Operating Parameters
 - Power Plant Layout
 - Critical Parameters
- Plant, Equipment and System Specifications and Manufacturer's Manual
 - Plant, Equipment and System Specifications
 - Manufacturer's Manual and Procedures
- Organisational Asset Management Policies, Strategies and Procedures
 - Asset management Standard Operating Procedures
- Plant Start Up Procedures
 - Plant Start Up Procedures
- Planned Outage Work Review and Communication
 - Outage Planning
- Outage Planning using Data Analysis Techniques and Tools
 - Outage Planning using Data Analysis Techniques and Tools
- Monitoring of GT Startup Trend
 - GT Startup Trend Analysis
- Monitoring of Unit Shutdown Trend
 - Unit Shutdown Trend Analysis
- Fuel Change Over Requirements
 - Fuel Change Over Requirements
 - Fuel Change Over Procedure
- Alarm and Malfunction Management
 - Handle Multiple Malfunction

METHODOLOGY

Lecture and hands-on Simulator Training

TARGET AUDIENCE

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

COURSE DETAILS

Duration	:	35 hours
Mode of Delivery	:	Face-to-Face
Certification	:	SIPG Certificate of Completion
PDU by PE Board	:	NIL

COURSE FEES

Full Course Fee	:	S\$3,500 (before GST)
For Singapore Citizens/PR/LTVP+*	:	S\$1,050 (before GST)
For Singapore Citizens (40 years old and above)	:	S\$350 (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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