

Lightning and Lightning Protection

Course Code: ERG05

SFC-Eligible | Course Reference Number: TGS-2022012931

COURSE OBJECTIVES

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

- Learn the effects of lightning and design methods
- Know the lightning risk and risk management
- Understand the statutory requirement for submission and building top

MAIN CONTENTS

- Introduction to lightning and its parameters
- Statutory requirement and submission procedure
- Updates of SS 555:2018
- Damages and losses caused by lightning
- Classification of risk and risk management
- Design methods of lightning protection system
- Lightning earth and bonding
- Selection of surge protection devices for sensitive equipment
- Case studies

METHODOLOGY

Lecture

TARGET AUDIENCE

Contractors, Engineers who are required to carry out lightning protection planning, design, installation, and system implementation in buildings.

COURSE DETAILS

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|--------------------------|---|--|
| Duration | : | 14 hours |
| Mode of Delivery | : | Face-to-face or Synchronous E-learning |
| Certification | : | SIPG Certificate of Completion |
| PDU by PE Board | : | 13 |
| Additional Requirement/s | : | Not applicable |

COURSE FEES

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|--|---|---------------------|
| Full Course Fee | : | S\$700 (before GST) |
| For Singapore Citizens/PR/LTVP+* | : | S\$210 (before GST) |
| For Singapore Citizens (40 years old and above) | : | S\$70 (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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