

BEM Approved CPD: 7 hours



SEMINAR ON LIFTS AND ESCALATORS

**10 February 2026
9.00 a.m. to 5.30 p.m.
Hotel Armada Petaling Jaya**

A Practical Approach to Understanding the Planning and Designing of Lifts and Escalators in Buildings

Learn the latest EN Standards and How to do actual Hands-On Calculation of Lift Traffic Analysis to determine the Optimum Lifts Selection for any building.

Registration Fee (inclusive of 8% SST)

ACEM member firms	RM 540.00 per person
Others	RM 756.00 per person

(E-certificate of attendance will be issued, subject to full attendance)

Please click link <https://klikesini.my/baolb> or scan QR code for online registration.

Closing date for registration : 4 February 2026

For further enquiries, please contact the ACEM secretariat at 012 5290031 or email vivien@acem.com.my



SEMINAR OBJECTIVES

Learn the latest Amended Act 514 and new Regulations that have replaced the Factories and Machinery Act and Regulations affecting the design, installation and maintenance of lifts and escalators. Learn also how to do **actual hands-on calculation of lift traffic** analysis to determine the optimum lifts selection for any building.

For building owners and end users alike, the 3 basic requirements of any vertical transportation system in a building are safety, reliability and efficiency in moving people and goods within the building. To achieve this, one must understand the concept of good elevator/escalator design, the essence of proper installation and maintenance, and latest standards governing their operation.

Also, to ensure compliance to the latest statutory requirements, this seminar will help you understand the latest Acts and Regulations and what you must do to comply with all the new changes in the law.

SEMINAR OUTLINE

■ Morning Session (9.00 a.m. to 1.00 p.m.)

1. Understanding lift components and MS EN 81-20 compliance.
2. Understanding the installation process of elevator systems.
3. Understanding the Amended Act 514 and new Regulations.
4. Learn the new approval requirements of Amended Act 514.
5. Understanding planning of escalators in a building and MS 1918.

■ Afternoon Session (2.00 p.m. to 5.30 p.m.)

1. Understanding concept of elevator planning in a building.
2. Understanding lift traffic performance criteria.
3. Carry-out actual lift traffic analysis calculation.
4. How to treat zoning, car park floors and penthouse floors.
5. Preparing layout design of elevator system.
6. How to size elevator shafts and requirements of stretcher lifts.
7. How to plan ventilation requirements in motor rooms.

(15 minutes tea break per session & one-hour lunch break)

Participants will have opportunity to work on web-based Lift Traffic Calculation.

WHO SHOULD ATTEND

- M & E Consultants, Building Owners and Developers
- Shopping Complex Owners and Facilities Managers
- Condominium and Building Maintenance Managers
- Architects and Designers for Buildings

ABOUT THE TRAINER – Ir. SOON SEE LEAK



Graduated with a Bachelor of Engineering (Electrical) from University of Malaya in 1980, Ir. Soon served as the Managing Director of one of the major elevator engineering companies in Malaysia.

A registered Professional Engineer with the Board of Engineers Malaysia, Ir. Soon has extensive experience in the design and planning of vertical transportation requirements in various types of buildings including commercial and residential complexes. He is also a member of the Working Group for Lifts and Escalators in the Department of Standards Malaysia which is responsible for the drafting of the latest Malaysian Standards. Ir. Soon is a Past President of the Malaysian Lift and Escalator Association (MALEA). Ir. Soon is also a Certified Professional Trainer and a member of IPMA (UK). He regularly conducts trainings and seminars on lifts/escalators as well as leadership. Ir. Soon is also the author of the book, "BUILD THE BRIDGE FIRST", an inspiring story on how to build great relationships with co-workers and customers and lead your team in ways you never thought possible.