

Half Day Talk on “Lift Systems Operational and Safety Features”

Date : Saturday, 13 July 2024
Time : 9:00 a.m. – 1:00 p.m.
Venue : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru, Johor.
Speaker : Ir. Assoc. Prof. Yahaya Ramli, Universiti Teknologi Malaysia

Synopsis

A lift or elevator system is a type of vertical transportation that moves people or goods between floors of multi-storey buildings or any industrial related applications. Lifts are typically powered by electric motors that drive traction cables and counterweight systems or pump hydraulic fluid to raise a cylindrical piston like a jack, in combination with certain rope arrangements. There are many types and version of lift systems to choose from for a wide range of applications including special needs or purposes. The installation and construction of lift systems are crucial to guaranteeing proper and efficient operation of lift services. Registration and maintenance aspects, as required by acts and standards, must be strictly followed for the safety and healthy aspects of any lift systems.

The installation and operation of lift systems are subject to the Factory and Machinery Act, 1967 (Act 139) and regulations, along with some other standards. Thus, understanding lift fundamentals, installation, selection, and the requirements of acts and regulations such as registration, maintenance, inspection, safety, and competent personnel are important to ensure safe, efficient, and reliable service of lift systems for residential and office buildings, as well as other related applications or special needs. Information and exposure from this talk are useful for lift installer, users, building owners, and facility maintenance and management personnel to secure the most reliable lift services.

The main objective of this technical talk/course is to provide some fundamental and practical aspects of lift systems regarding their construction and operational safety features for residential and office buildings. This talk will also introduce some basic guidelines, standard practices, and requirements for the registration of lifts, operational safety as implemented by the Department of Occupational Safety and Health (DOSH/JKKP), Malaysia, to ensure the safety and health of lift operations for passengers and technical/service personnel. The talk is expected to provide effective understanding of lift systems for our young and practicing engineers to gain insight on the above topic.

Time	Tentative Programme
8:30 a.m. – 9:00 a.m.	Registration
9:00 a.m. – 9:10 a.m.	- Welcome Speech by IEM (SB) Organising Committee
9:10 a.m. – 10:30 a.m.	Session 1: Lift Systems: Fundamental, Type, Construction and Technology Development
10:30 a.m. – 10:45 a.m.	- Coffee Break
10:45 a.m. – 12:30 p.m.	Session 2: Lift: Operational and Safety Features
12:30 p.m. – 1:00 p.m.	- Discussion/Case study - Question & Answer Session
1:00 p.m.	Closing & End of Talk

About the Speaker:



Ir. Assoc. Prof. Yahaya Ramli currently serves an Associate Professor and is attached to Penerbit UTM Press as an advisor and editorial member, aiming to promote and publish research books for Universiti Teknologi Malaysia (UTM). Additionally, he works as a Freelance Consultant in a plant engineering servicing company. He is a retired Associate Professor from the Faculty of Mechanical Engineering, UTM, Skudai, Johor, and the Faculty of Mechanical and Manufacturing Engineering, UTHM, Batu Pahat, Johor. His fields of specialization include fluid mechanics, fluids machineries, and fluid power systems (hydraulic & pneumatic). Before joining academia, he gained several years of practical experience at various technical and management levels in the palm oil, electronic and petroleum industries. He has involved in the installation, operation and maintenance of water tube and fire tube boilers, steam turbines and generator sets (ICE), pump and compressors while working in FELDA oil palm mill, Sobena Offshore Inc., and PETRONAS Gas Bhd. He graduated from MARA Institute of Technology (ITM) in Mechanical Engineering and obtained his MSc in Fluid Power Systems from University of Bath, U.K. He is a Professional Engineer (P.Eng) registered with the Board of Engineers, Malaysia (BEM) and a Corporate Member (MIEM) of The Institution of Engineers, Malaysia (IEM). He is also an Associate ASEAN Engineer registered with ASEAN Engineer Register (AER) and a Professional Technologist (P.Tech) registered with the Malaysian Board of Technologists (MBOT). Additionally, he is a registered trainer with the HRDCorp (formerly Pembangunan Sumber Manusia Berhad - PSMB). Apart from teaching and training activities, he has been appointed as a consultant and technical advisor to several mechanical installation and recreational projects. He is active in publication work and has published several books and conference papers in field of mechanical and plant engineering.

Participant Fees:

Grade	Fee
IEM Members	RM 80.00
Non-IEM Member	RM 150.00

Closing Date: 9 July 2024

The seminar is strictly limited to **30 participants** only. Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **9 July 2024** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)

BEM Approved
CPD/PDP Hours: 4.0
Ref. No: IEM24/SB/149/T

REPLY SLIP

To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch) **Fax: 07 - 3363406**

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at IEM (Southern Branch) Training Centre, 24-B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru, Johor.

I wish to attend the above talk. I enclosed herewith a cheque no. for the amount of RM.....as payment for the participant fee.

Name of Member: Membership No: I/C No:

Address: Tel(O):(Fax).....

..... Tel (H/P):

..... E-mail:

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PERSONAL DATA PROTECTION ACT

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