



THE INSTITUTION OF ENGINEERS, MALAYSIA

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TALK ON "AN INTRODUCTION TO A PNEUMATIC CONVEYING SYSTEM, ITS ADVANTAGES AND PRACTICAL SELECTION GUIDELINES"

(Organised by Oil, Gas & Mining Technical Division, IEM)

Date : **6th September 2014 (Saturday)**
Time : **9.00 am to 11.00 am** (*Refreshments will be served at 8.00am*)
Venue : **TUS and C&S Lecture Rooms, 2nd Floor, Wisma IEM, Petaling Jaya**
Speaker : **Ir. Low Chew Eow**

BEM Approved
CPD/PDP HOURS: 2 hours
Ref No: IEM14/HQ/230/T

SYNOPSIS

A Pneumatic Conveying system is used to transfer items from one place to another. It is widely found in various industries. In the petrochemical industry, a Pneumatic Conveying system is used to transfer products in the form of powder or pellets into the bagging system for example. There are various types of Pneumatic Conveying system and each type is selected to best suit its applications.

A Pneumatic Conveying system is usually chosen when it has to meet various stringent requirements for a clean environment, having minimum maintenance downtime and needing to operate within a congested plant footprint. It is also very reliable when a long continuous operation is required.

The talk will provide an introduction of the system's design and selection criteria for different type of systems such as "Open/Close Loop", "Positive or Negative Conveying" and "Dilute or Dense Phase". It will also impart knowledge on equipment selection that makes up the complete system such as blower or screw compressor, cooler (if required), type of diverter valve and type of piping to be used.

On top of the mechanical equipment, the Pneumatic Conveying system is always integrated with the electrical equipment, instrument devices and structures. Their functions in the system will be addressed. Differences between Pneumatic Conveyor compared to a conventional conveyor (belt conveyor) and the advantages/disadvantages will also be discussed to provide clear guidelines on system selection.

BIODATA OF SPEAKER

Ir. Low Chew Eow (Rocky) graduated from the University of Glasgow, UK with a degree in Mechanical Engineering in 1990. He has more than 24 years of working experience in various roles, of which about 16 years are in the oil and gas industry. He specializes in Pneumatic Conveying System in the food, mining and petrochemical industry where he has been involved from the designing, fabrication, installation and commissioning stages.

He is currently the Head of Package Equipment Department in Technip Consultant (M) Sdn. Bhd. He is also the Member of Expert Network specializing in Pneumatic Conveying System within the Technip group.

Ir. Ahmad Rafidi Mohayiddin

Chairman

Oil, Gas & Mining Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

1. Talk is for IEM members only (pre-registration is **NOT** required).
2. Telephone and/or fax reservation will **NOT** be entertained.
3. Non members may also attend the talk and will be charged a registration fee of **RM 50** and an administrative fee of **RM 10**.
4. For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer to www.myiem.org.my/content/memorandum_of_understanding-469.aspx.
5. Limited seats are available on a "first come first served" basis (maximum 110 participants).
6. IEM members are required to produce your **membership cards** for confirmation of attendance (CPD purpose).
7. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

IEM members who fail to produce their membership cards will be charged a fee of RM20.00

FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants RM10.00 administrative fee for talks organized by IEM.
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted.

Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature: