The Institution of Engineers, Malaysia

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TALK ON

"AN INTRODUCTION TO A PNEUMATIC CONVEYING SYSTEM AND IT'S ADVANTAGES"

Organised by the Mechanical Engineering Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 **Ref No: IEM17/HQ/139/T**

Date : **15 July 2017 (Saturday)**
Time : **11.00 am – 1.00 pm** *(Refreshments will be served at 10.30am)*
Venue : **C&S and TUS Lecture Room, 2nd, Wisma IEM, Petaling Jaya, Selangor**
Speaker : **Ir. Low Chew Eow (Rocky)**

SYNOPSIS

A Pneumatic Conveying system is used to transfer bulk solid material from one place to another. It is widely found in various industries. In the petrochemical industry, a Pneumatic Conveying system is used to transfer powder or pellets from product storage 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 systems, design and selection criteria of the different type of the systems such as "Open/Close Loop", "Positive or Negative Conveying", "Dilute or Dense Phase" etc.

You will also learn how to select the equipment that make up the complete system such as blower or screw compressor, cooler (if required), type of diverter valve, type of piping (normal or treated) to be used etc. You will find out from the talk that the selection of system and equipment is not only depends on the conveying product characteristic but many other factors.

On top of mechanical equipment, the Pneumatic Conveying system is always integrated with electrical equipment, instrument devices, structure etc., the talk will provide you the basic idea of what are these equipment/devices and their function.

You will also understand the differences of Pneumatic Conveyor compares to conventional conveyor (belt conveyor) such as advantages/disadvantages, when to use them etc and will provide you the basic guidelines on how to decide which conveying system to be selected.

BIODATA OF SPEAKER

Ir. Low Chew Eow (Rocky) graduated from the University of Glasgow with a degree in Mechanical Engineering in 1990. He has more than 27 years of working experiences in various fields and roles.

He is currently the Head of Mechanical Department in TechnipFMC, Malaysia. Within TechnipFMC group, he is certified and appointed as trainer of PULSE program and member of Expert Network respectively.

He is the member of Industry Advisor Panel of Universiti Tunku Abdul Rahman, Faculty of Engineering and Science.

Ir. Dr. Kannan M. Munisamy
Chairman, Mechanical Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- Limited seats are available on a "first come first served" basis (maximum 100 participants). **To secure your seat, kindly register online at www.myiem.org.my.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- Student Members are however exempted.

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