



CHEMICAL ENGINEERING TECHNICAL DIVISION

WEBINAR

Half Day Hands-on Workshop on “Optimization of Total Logistic Cost”

by Ir. Prof. Dr. Dominic C. Y. Foo

17 December 2020
Thursday
9.00 am - 1.00 pm

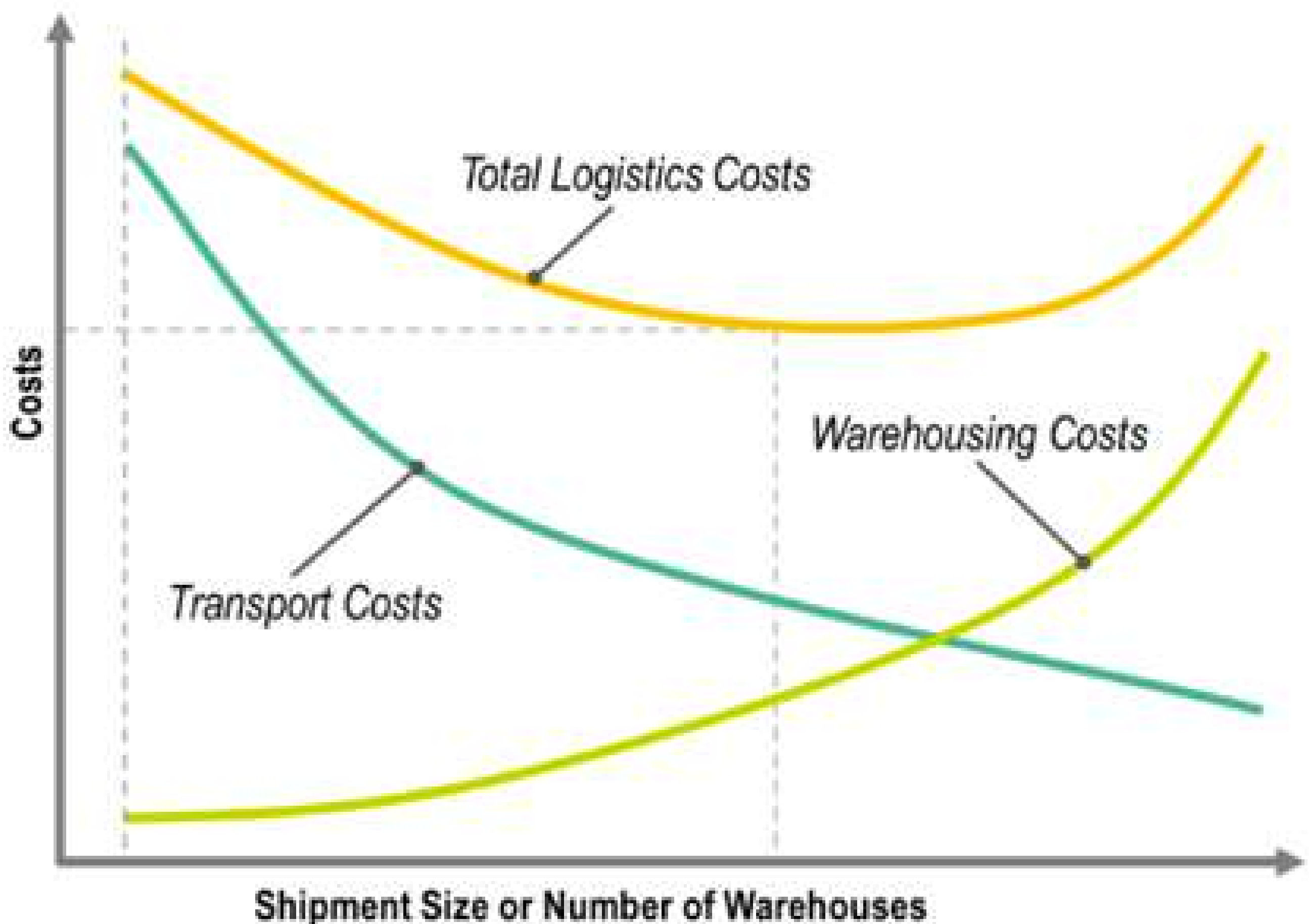
BEM Approved CPD/PDP Hours: 3.5 CPD
CPD REF. No.: IEM20/HQ/269/W (w)



Register online | www.myiem.org.my

SYNOPSIS

Two most important elements of logistic cost are transport and warehouse costs. The objectives of this course is to introduce some simple optimization models that can be used to minimize logistic cost in a production supply chain, by exploring trade-off between transportation and warehouse costs. The optimization models is a linear problem, which can be solved using spreadsheet programme such as MS Excel. In this hands-on workshop participants will be guided to build optimization models in MS Excel, and techniques on how to solve such model using built-in optimization toolbox Solver.





Ir. Professor Dr. Dominic Foo

Ir. Professor Dr. Dominic Foo is a Professor of Process Design and Integration at the University of Nottingham Malaysia, and is the Founding Director for the Centre of Excellence for Green Technologies. He is a Fellow of the Institution of Chemical Engineers (IChemE), a Fellow of the Academy of Sciences Malaysia (ASM), a Chartered Engineer (CEng) with the Engineering Council UK, a Professional Engineer (PEng) with the Board of Engineer Malaysia (BEM), as well as the President for the Asia Pacific Confederation of Chemical Engineering (APCChE). He is a world renowned scholar in process integration focusing on resource conservation and CO₂ reduction. He establishes international collaboration with researchers from various countries in the Asia, Europe, American and Africa. Professor Foo is an active author, with eight books, more than 160 journal papers and made more than 220 conference presentations, with more than 30 keynote/plenary speeches. He served as International Scientific Committees for many important international conferences (CHISA/PRES, FOCAPD, ESCAPE, PSE, SDEWES, etc.).

Professor Foo is the Editor-in-Chief for Process Integration and Optimization for Sustainability (Springer Nature), Subject Editor for Process Safety & Environmental Protection (Elsevier), and editorial board members for several other renowned journals. He is the winners of the Innovator of the Year Award 2009 of IChemE, Young Engineer Award 2010 of IEM, Outstanding Young Malaysian Award 2012 of Junior Chamber International (JCI), Outstanding Asian Researcher and Engineer 2013 (Society of Chemical Engineers, Japan), Vice-Chancellor's Achievement Award 2014 (University of Nottingham) and Top Research Scientist Malaysia 2016 (ASM). He conducted close to 100 professional workshops to academics and industrial practitioners worldwide.

PROGRAM OF THE DAY

09:00	Introduction
09:00– 10:30	Optimisation model for production supply chain
10:30 – 10.45	Break
10.45 – 13:00	Optimisation model for product transportation
13:00	End of workshop

REGISTRATION FEES

<u>GRADE</u>	<u>ONLINE</u>	<u>NORMAL/OFFLINE</u>
IEM STUDENT MEMBER	RM 40.00	RM 50.00
IEM GRADUATE MEMBER	RM 75.00	RM 90.00
IEM CORPORATE MEMBER	RM 125.00	RM 150.00
NON-IEM MEMBER	RM 240.00	RM 300.00

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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For further details, kindly contact:
The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling
Jaya, Selangor
Tel : 603-7968 4026 Fax : 603-7957 7678 Email : amira@iem.org.my