



Training Course :

Concrete Structural Design for  
Industrial Projects (Tanks, Buildings,  
Retaining Walls, Pits, Ponds E

Training Course For One Week In

Malaysia , Kuala Lumpur , Fraser  
Place Kuala Lumpur

Which Be Held As Under Details :



Abar Solutions Petroleum Consultancy Invite Your Employee To Participate With Us In Special Training Course As Under Details :

Course Name		Concrete Structural Design for Industrial Projects (Tanks, Buildings, Retaining Walls, Pits, Ponds E			
Code	Period	Language	Start	End	Location
CE 037	5 Days	English	07/08/2017	11/08/2017	Malaysia , Kuala Lumpur , Fraser Place Kuala Lumpur
			04/09/2017	08/09/2017	
			09/10/2017	13/10/2017	
			13/11/2017	17/11/2017	
			18/12/2017	22/12/2017	
			15/01/2018	19/01/2018	
			12/02/2018	16/02/2018	
			12/03/2018	16/03/2018	
			23/04/2018	27/04/2018	
			14/05/2018	18/05/2018	
			11/06/2018	15/06/2018	
09/07/2018	13/07/2018				
<p>** The Fees Includes : Lecturer , Training Material , Training Room With One Coffee Break Daily , Certificate Of Attendance In Last Day Training Course **</p>					

Course Description

- ⇒ The design management procedure for industrial projects will be clarified. The design of the reinforced concrete tanks and the design of the foundation under steel tanks will be illustrated.
- ⇒ The concrete and steel structure design principal will be illustrated to select the suitable structure system. The foundation design under vibrating machine will be illustrated.
- ⇒ Pipeline support and foundation under separator, KOD and steel tower will be highlight on its principal of design and how we can review and implement the design package.

- ⇒ The advanced inspection methods for fresh and hardened concrete will be discussed and how to implement maintenance plan for all the concrete structure.
- ⇒ The integrity management system procedure will be illustrated taking into consideration the major factors in design, construction and repair to maintain the concrete structure economically in all its lifetime

### Course Objectives

- ⇒ The participants will be provided with detailed course material and will be familiarized with suitable way in concrete design in industrial structure. The engineer will be familiar with any problem and its solution in the concrete structure in the petrochemical industry and its causes of failure.

### Course Content & Outlines

- ⇒ **Design Management process**
- ⇒ **Control the design of the industrial projects**
- ⇒ **Define the load on the industrial structure**
- ⇒ **Principal of concrete design and precaution**
- ⇒ **Reinforced concrete tank design**
- ⇒ **Design of steel tanks ring beam**
- ⇒ **Pipeline support design**
- ⇒ **Design of foundation under machines**
- ⇒ **Reinforced concrete wall design principal**
- ⇒ **Design of pipeline anchor block**
- ⇒ **Reasons of fails and cracks of concrete structure in industrial.**
- ⇒ **Precaution in repair of concrete structure**
- ⇒ **Construction precaution to achieve design requirement**
- ⇒ **Preparing tender package**
- ⇒ **Tender evaluation technique**
- ⇒ **The inspection and monitoring procedure to control the construction**