

## Advanced Course of 3X Engineering Composite Repair



### Overview:

Advanced course of 3X Engineering Composite Repair is a 3 days course that focus on theory, quality control & hands on training. This training course consists of a combination of classroom theories and practical. Attendees will have a chance to learn how to perform surface preparation prior to wrapping, wrapping on straight pipe, elbow & tee joint as well as emergency & temporary reinforcement solution. At the end of the course, attendees are required to sit for a written assessment. Certificate of achievement will be awarded to individuals who meet the eligibility criteria.

### Learning Objectives:

With this training, we can help your staff to:

1. Understanding of principles, concept & code of practice (ASME PCC 2 & ISO 24817) of pipe wrapping.
2. Surface preparation requirement and method.
3. Inspection & quality control.
4. Practical training of wrapping on straight pipes, elbow and tee joint.
5. Practical training on emergency and temporary reinforcement solution.

Topics	Course Outline	Day
Relevant standards ASME PCC 2 & ISO 24817	Contents of the standards – Qualification, Design, Installation & Inspection	Day 1
	Defect types covered by the Standards	
	Basic understanding of design repair	
Theory - 3X Composite Repair	3X composite repair product training – R4D, TANKit & REINFORCEKit Patch	Day 1
	Interpretation of 3X-REA design calculation sheet	
	Surface preparation – Requirement & method	
	Installation procedures & technique	
Practical - Surface Preparation	Safety review & practices	Day 2
	Hands-on training and application by using MBX Bristle Blaster	
Practical – Wrapping	Straight pipe wrapping	Day 2
	Elbow wrapping	
Practical – Wrapping	Tee joint wrapping	Day 3
	TANKIT® and REINFORCEKIT® Application	

Course Fee: **RM 6,000** (includes training materials, training tools, lunch & tea break)

## Training Course Registration Form

### SIGN UP NOW!!!

For more details, contact Ong W.S. at [03-8068 3220](tel:03-80683220) or email at [ongws@in-situgroup.com](mailto:ongws@in-situgroup.com).

No.	Name of Participant:	Designation:
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Company Name:			
Address:			
Postal:		Office No.:	
Contact Person:		Fax/ e-mail	
Cheque Number/PO Number:		Amount:	
Signature		Date:	

### Registration and payment

Registration form may be emailed to [ongws@in-situgroup.com](mailto:ongws@in-situgroup.com). Registration is confirmed upon acceptance of payment. All cheque should be crossed "A/C Payee only" and made payable to "In-Situ Maintenance Services Sdn. Bhd".  
 Banker: HSBC Bank Malaysia Bhd – Bandar Puchong Jaya Branch (A/C No: 353-300205-725)  
 Bank Swift Code: HBMBMYKL

### Refund and Replacement

Refund of fees will only be considered if a written request is received at least 7 days before commencement of the session. Replacement will be accepted at no additional cost.

### Cancellation

In-Situ Maintenance Services Sdn. Bhd reserves the right to cancel or reschedule the course due to unforeseen circumstances and participants will be notified.

### Location:

#### In-Situ Maintenance Services Sdn Bhd

No 3G, Jalan Kenari 12, Bandar Puchong Jaya 47100 Puchong  
 03.8068.3220 (P) 03.8068.3550 (F)  
[ongws@in-situgroup.com](mailto:ongws@in-situgroup.com)