

Corrosion in Oil & Gas Industries and Controls

Training Date: 25th – 29th March 2012

Training Venue: Swiss-Belhotel, Doha, Qatar

Training Time: 0730 – 1430 hours

Training Fee: USD3,500 per participant

Course Description

Corrosion problems have always presented a severe challenge to oil and gas producing operations. Operators plan for long periods of continuous production with maintenance scheduled for the prescribed shutdown periods. Unfortunately, corrosion does not always respect these schedules, resulting in severe economic penalties due to loss of product. In addition, the risk of pollution and hazards to safety are other important reasons for adequate corrosion engineering. Governmental legislation concerning oil and gas extraction is becoming more stringent in order to minimize these risks. Furthermore, corrosion hazards have intensified with extraction in deeper waters and in more hostile environments. Innovations aimed at reducing offshore field development costs involving reductions in platform weight, increasing use of satellite wells and subsea manifolds require specific attention to corrosion prevention.



Learning Objectives

This training program will initiate engineers to understand, the corrosion process, its role in failures, the selection of engineering materials, types of candidate materials for oil & gas services, their performance, service failures, and remedial actions for reliable performance. Corrosion monitoring and controls will be covered in details. At the end of the training, participants will be able to understand characteristics of corrosion in oil & gas installations and identify its driving force, ways in which corrosion occurs and finally incurs a cost in operation, methods to minimize and prevent corrosion, appropriate monitoring techniques to establish if there is a potentially corrosive situation, important material and environmental factors that influence the corrosion process, describe the various methods available for corrosion control, regulatory and safety matters and to identify the contribution of an integrated monitoring and inspection program for operations and the diagnosis of problems.

Who Should Attend?

The course is designed essentially for those professionals employed by companies engaged in oil and gas production, as well as those with specialist functions such as: Process Engineers, Inspection Personnel, Mechanical Engineers, Material Selection Personnel, Research and Development Personnel, Corrosion Control Personnel and Plant Contractors

SELECTED CUSTOMERS

MALAKOFF
(24816-M)

HUNTSMAN
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TENAGA NASIONAL BERHAD
(2008-W)

قطر للبترول
Qatar Petroleum



BASF PETRONAS
CHEMICALS

DOLPHIN ENERGY
دولفين للطاقة

QAPCO
شركة قطر البتروليكيماويات
QATAR PETROCHEMICAL COMPANY

UNIVERSITI TEKNOLOGI PETRONAS



ORYX GTL
GP - SASOL joint venture

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ALSTOM



MALAYSIA LNG SDN. BHD.

Course Program

Day 1:

- Forms of corrosion, Basics of corrosion control
- Corrosion Principles
- Impact of Corrosion- An Overview
- Corrosion Prevention Techniques

Day 2:

- Corrosion in Oil & Gas Industry
- Crude Unit Corrosion Prevention
- Naphthenic Acid Corrosion & Method of Determining the Corrosiveness in Crude Oil refining Streams
- Prevention of Internal Corrosion of Pipelines- A Systematic Approach

Day 3:

- Improving Plant reliability through Corrosion Monitoring
- Corrosion Resistant Materials
- Corrosion Failure and Analysis
- Forms of Corrosion
- Corrosion Problems in Petroleum Production

Day 4:

- Corrosion Testing
- Factors Affecting Cathodic Protection Design
- Cathodic Protection Surveys
- Principles of Cathodic Protection
- Cathodic Protection & Environmental Resistivity

Day 5:

- Corrosion Protection for Offshore Pipelines
- Assessment of Refinery Crude Oil Corrosivity
- Dynamic Corrosion Appraisal to Correlate Corrosion excursion
- Corrosion Control Management

About the Course Instructor

Dr G. H. Thanki, graduated with M.Sc. Chemistry with 'Corrosion Science' as specialization (1967), Ph.D.: 'Corrosion and Corrosion Inhibition'. He is a member for several institutions such as; Indian Institute of Metals, Society for Advancement of Electrochemical Science and Technology, National Corrosion Council of India (NCCI), NACE International Gateway India Section (NIGIS) and Indian Society for Non-Destructive Testing (ISNT).

Since the past 35 years, he have marvelous experiences in the field of Corrosion Technology in the capacity as Corrosion Technologist to Deputy General Manager and Division Head (Research and Corrosion Technology, GSFC) and selected as The Member Secretary to GSFC Science Foundation and consultant.

About CfPE Technology Solutions

The Center for Professional Enhancement Technology Solutions (known as CfPE Technology Solutions) is incorporated in July 2001 and began as a training and consulting company for power plant, oil & gas and petrochemical sectors in Malaysia. With a small team of experienced and dedicated engineers and multi skilled technical staff we have come a long way. From those humble beginnings, we have successfully grown and today we have achieved reorganization as a premier in organizing short training in Malaysia.

Our professional experience and excellent consulting strengths provide insights and understanding of the challenges facing the industries we serve. CfPE Technology Solutions aims to make a difference. The need for leading-edge training has intensified and is advancing beyond all expectation; it is the basis upon which performance can be measured in an increasingly competitive marketplace.

Registration Form

Please Send Your Registration To:

Tel:	006.013.208.2143	Fax:	006.09.617.8443	E-mail	info@cfpets.com
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Course Details

Course Name:	Corrosion in Oil & Gas Industries and Controls Course	Course Date:	25 – 29 March 2012
Venue:	Swiss – Belhotel, Doha, State of Qatar.	Fee:	USD3,500.00

Company Information

Organization	
Address	

HR / Training Manager

Invoice to be sent to

Name :		
Tel no.:		
Fax no.:		
E-mail :		

Participant Information

Participant # 1

Participant # 2

Participant # 3

Full Name :			
Job Title :			
Department :			
Telephone No. :			
Mobile No. :			
Fax No. :			
E-mail Address :			

Please Pay by Telegraphic Transfer to:

Account Name :	CFPE TECHNOLOGY SOLUTIONS
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CFPE TECHNOLOGY SOLUTIONS

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