

Organized by



Corrosion & Corrosion Control in Pipelines, Topside Facilities & Subsurface Equipment

22 - 26 February 2016, Kuala Lumpur



About Your Trainer

Abdelaziz has 30 years experience in Upstream & Downstream Oil and Gas projects management and operation interface. Experiences include integrity management of pipelines, topside facilities and subsurface equipment. He has a good contribution into the development of Assets Integrity/ Corrosion Management Strategies/ Philosophies for many major international operators.

He worked for many leading Engineering houses, Major Oil & Gas producers and QA/QC focused organizations including BP/Amoco- GUPCO, ENPPI, Oceaneering, Geisum Oil Company and many other.

He developed the process, methodology, operation and training scheme for the internationally recognized WEB based Industrial coatings business solution "IC Max". He also developed the Hudson Express Train Game, which is a patented game used as an education tool exclusively in his courses.

During his carrier, he presented 46 Technical papers as author in many international and regional conferences. He also developed over 45 technical specifications and manuals in the field of Corrosion Non Metallic materials, Production Chemistry and Integrity management.

He has been a project manager and team member for over 30 major Integrity Management audit and competency analysis projects in association with leading service providers. Till very recent, Abdelaziz was the Operation & Integrity Advisor for Abu Dhabi Marine Operating Company ADMA-OPCO. Currently he is the Managing Director of Hudson Technology & Strategic Studies Ottawa- Canada. He develops and conducts training courses in Assets Integrity management, Corrosion Management and fundamentals of Coatings and Non Metallic materials. Abdelaziz is a certified assessor according to European Federation of Quality Management (EFQM), OHSAS 18001 and ISO 9001 & 9002.

About The Organizer

T.U.N International was formed with the objective of truly understanding the needs of each individual organization's training requirements. Our strength lies in our ability to listen to our clients, understand their unique business issues and assisting them to deliver the appropriate training solution based on the business challenges in the current market situation.

Our vision is to be the No. 1 preferred training provider for all corporate companies by providing an innovative approach to your training requirements. We facilitate a training solution that is not only cost effective, but tailored to yield maximum benefits.

We deeply value our working relationship with our clients and constantly dedicate ourselves to exceed your expectations of us. Besides customizing in-house training solutions for corporate companies, we also offer public courses and conferences in various industries.

T.U.N In-house Training Solutions

Save up to 40% when you use T.U.N In house Training Solutions to customize in-house training programmes for your organization. Tailor-made training courses, at a venue of your choice and a time convenient to you and at a fraction of the cost. For more information on T.U.N In-house Training Solutions, please contact Ms. Linda Teo at +65 6376 3178 or email: linda@tun.sg

The pursuit of assets corrosion management should be an objective of any organization. The course contents fully explain the corrosion process, forms of corrosion, corrosion control within the framework and the common understanding of Asset Corrosion Management.

Successful corrosion management influences the economic outcome of the company by ensuring cost effective selection of materials, chemical treatments, coatings, cathodic protection systems and appropriate designs. The ultimate goal of this course is to equip participant with an integrated theoretical and practical knowledge of corrosion and corrosion control options.



Workshop Activities

- Participant will learn by active interaction during the program through the use of exercises, syndicate and group discussion on the program topics and real life issues.
- Course size will be limited to 12 delegates to allow effective coverage, stimulate group discussion and enable group networking and interaction.
- Throughout the course, participants will be encouraged to discuss their organization specific problems, seek group views and guided to develop their own corrective action agenda for implementation upon returned to their workstations.
- The Instructor will use his patented "Hudson Express Train Game" as a tool to measure the participant understanding of the course materials, exercise real case scenarios and encourage team building spirit in a competitive and joyful environment.
- The handout materials not only include 500 plus power point slides but also include a carefully designed text of 180 pages which explained all technical matters discussed during the 5 days course.

Who Should Attend

The target audiences are those crafts, who during the course of doing their core business activities will be engaged in corrosion and chemical treatments related activities and non-metallic materials applications in pipelines, topside facilities and Downhole equipment.

- All Production, operation personnel who are engaged in the daily routine plant operation and have a defined business relation with the implementation of the Corrosion and Corrosion mitigation measures.
- Drilling and Petroleum technology engineers.
- Corrosion, Production chemistry, Metallurgists and Integrity engineers.
- Mechanical, Maintenance, Process and Pipelines engineers.
- Oil & Gas services providers, specialty chemicals suppliers and their technical representatives,
- CAMS and junior engineers whose development plan is targeting any of the above posts.

Key Benefits

- Enable solid understanding of the corrosion process, forms of corrosion and failure mechanisms.
- Learn the six corrosion control methods.
- Ensure full understanding of the corrosion damage mechanism and mitigation measures through inspection, monitoring, prediction and testing protocols.
- Develop and improve the participant's skills to develop their own corrosion control schemes and implementation plans.
- Introduce innovative control techniques with particular focus to problematic areas.
- Provide an insight to Downhole flow assurance problems and control techniques (Chemical, Mechanical, Process & Design).
- Discuss major operator's advancement in corrosion management realities.
- Give an expert views to Non-metallic materials application in the Oil and Gas industries

Course Outline

Day 1

- **Safety Moment**
- **Introduction of Instructor and Participants**
- **Course Objectives**
- **Participant Expectations**
- **Origin and production of Oil & Gas**
 - Origin and Generation of Oil
 - Reservoir Production Mechanism
 - Crude Oil Composition
 - Enhanced Oil Recovery (EOR)
- **Corrosion damage**
 - Definition of Corrosion
 - Corrosion Fundamentals
 - Factors Influencing Corrosion
 - Forms of Corrosion
 - Corrosion Monitoring in Plant and Facilities
 - Corrosion Failure & Root Cause analysis

Day 2

- **Corrosion Control Techniques**
- **Material Change**
 - Metallic Materials
 - ~Alloying Elements
 - ~The Effect of Alloying Elements on Steel Properties
 - ~Alloying Groups
 - Non Metallic Materials
 - ~Composites
 - ~Manufacturing Processes
 - ~Properties of Composite Materials
 - ~Flexible Pipelines

Exercise I (Team Building)

- **Cathodic Protection**
 - Cathodic Protection for on-shore installations
 - Galvanic Anodes
 - Impressed Current
 - System Maintenance

Day 3

- **Barrier Film (Coatings and lining)**
 - Coating Fundamentals
 - ~Performance Characteristics of Industrial Coatings
 - ~Types of Coating Systems
 - ~Screening and Quality Control of Coatings
 - ~Coating defects and failure codes
 - ~Maintenance

Exercise II (Hudson Express Train Game Part A)

- **Chemical Treatment**
 - Corrosion inhibitors
 - ~Laboratory Evaluation of Corrosion inhibitor performance
 - ~Application of Corrosion Inhibitors
 - Microbial Control Chemicals (Sulphate-reducing Bacteria)
 - ~Classification
 - ~Origin of Sulfate-Reducing Bacteria
 - ~Biocide Selection & Treatment Flow assurance problems in the Oil fields

Day 4

- **Corrosion problems related to design**
- **Good Engineering and Corrosion Management**
- **Cost of Corrosion**
 - ~Engineering Best-Practice
 - ~Corrosion Management and Cost Saving
 - ~Corrosion Market Size
 - ~Lesson learned & Knowledge Transfer

Exercise II (Hudson Express Train Game Part B)

- **Corrosion Key Performance Indicators KPI's**
- **Computer and Corrosion Management**
 - ~Computers and Corrosion Management
 - ~Data Management

Day 5

- **Corrosion Management Strategy Background**
 - ~Objectives
 - ~Fundamentals
 - ~Coverage
 - ~Asset Integrity and Corrosion Management

Exercise II (Hudson Express Train Game Part C)

- **Corrosion Management in the Oil & Gas Industry**

Close out discussion



“Hudson Express Train Game”



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22 - 26 February 2016, Kuala Lumpur

4 EASY WAYS TO REGISTER

Phone : +65 9743 4606
Fax : +65 6271 9029
Email : linda@tun.sg
Online : www.tun.sg

VENUE & ACCOMODATION

Hotel Istana Kuala Lumpur City Centre
73, Jalan Raja Chulan,
50200 Kuala Lumpur, Malaysia
Tel: +603.2141.9988

<http://m.hotelistana.com.my/>

EARLY BIRD TEAM DISCOUNT

GROUP OF 3 OR MORE	GROUP OF 5 OR MORE	GROUP OF 7 OR MORE
5% OFF	7% OFF	10% OFF

RESERVE A SPACE NOW

Yes. I/We will attend

Corrosion & Corrosion Control in Pipelines, Topside Facilities & Subsurface Equipment
• 22 - 26 February 2016, Kuala Lumpur

I would like to purchase the course documentation at SGD500 per set.

Delegate 1

Mr/Ms/Mrs: _____
Name: _____
Job Title: _____
Tel: _____
Email: _____

Delegate 2

Mr/Ms/Mrs: _____
Name: _____
Job Title: _____
Tel: _____
Email: _____

Delegate3

Mr/Ms/Mrs: _____
Name: _____
Job Title: _____
Tel: _____
Email: _____

Delegate4

Mr/Ms/Mrs: _____
Name: _____
Job Title: _____
Tel: _____
Email: _____

Company Details

Company Name: _____ Invoicing Person _____
Address _____
Tel: _____ Fax: _____ Email: _____

PACKAGES - FEES PER DELEGATE (Please tick accordingly)

FEE PER DELEGATE	EARLY BIRD (Register & Pay by 11 January 2016)	STANDARD RATE
Corrosion & Corrosion Control in Pipelines, Topside Facilities & Subsurface Equipment <input type="checkbox"/> 22 - 26 February 2016, Kuala Lumpur	SGD 6599 (Save SGD 500)	SGD 7099

- Above course fee exclude any local taxes.
- Above fee includes refreshments, lunches & course materials.
- 3.5% processing fee will be imposed by paypal for any credit card payment
- Any late payment will be subjected to a 5% late payment fee if the full payment is not received before the commencement date of the course.

Payment Methods

•Cheque/Bank Draft
Made Payable To: T.U.N INTERNATIONAL
Redhill Forum, 16 Jalan Kilang Timor,
#03- 07Singapore 159308

•Bank Transfer Account Name: T.U.N INTERNATIONAL
Bank Name : OCBC Bank
Account No : 569-034796-001
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Branch Code 569
Swift Code : OCBCSGSG
Bank Address : 65 Chulia Street, OCBC Centre,
Singapore 049513

*Please Quote Ref CCCP16 and Invoice No.

Hotel accommodation & travel costs are not included in the registration fee. A reduced corporate room rate has been arranged at the hotel for attendees at this conference. To take advantage of this special rate, please process the hotel room reservation form provided upon confirmation of your attendance.

Payment Policy

Full payment of course fee to be received by the stipulated date of training, failing which T.U.N INTERNATIONAL will exercise the right to refuse entry to the delegate. Any late payment will be subjected to a 5% late payment fee if the full payment is not received before the commencement date of the course.

Program Change Policy

T.U.N INTERNATIONAL reserves the right to replace or modify the advertised speakers/topics should there be circumstances beyond the control of the organizers before the event. Any changes will be updated on our website as soon as possible.

Cancellations

If you are unable to attend the training course for which you have registered, you may send a substitute free of charge. If you cannot send a substitute or otherwise need to cancel your class registration, please provide written notice to us via e-mail at admin@tun.sg. Cancellation requests received by T.U.N INTERNATIONAL seven (7) days or more prior to the course start date will receive full credit for use in another future course with no time limit. Credit is not available for cancellation requests received by T.U.N INTERNATIONAL seven (7) or fewer days before the course start date. T.U.N INTERNATIONAL reserves the right to alter or change any part of the course. In the event T.U.N INTERNATIONAL cancel a course due to inclement weather, or other events beyond our control, the fees will be credited to a future seminar of the registrants choice. Upon registration, the registrant acknowledges that T.U.N INTERNATIONAL will not be held liable for any charges or fees incurred due to the cancellation of travel or accommodation reservations.

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