

**Training Title**

**ONSHORE AND OFFSHORE FACILITIES MANAGEMENT & TROUBLESHOOTING TECHNIQUES**

**Training Duration**

**5 days**

**Training Dates & Venue**

PE065	Onshore and Offshore Facilities Management & Troubleshooting Techniques	5	01-05 July 2024	\$5,500	Dubai, UAE
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Training will be held at any of the 5-star hotels. The exact venue will be informed once finalized.

**Training Fees**

- \$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

**Training Certificate**

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

**TRAINING OVERVIEW**

**TRAINING DESCRIPTION**

In the quest for hydrocarbon energy resources, the challenges posed by the uncertainties of explorations, development, technical, geographical and economic viability are ever-more-increasing. All the more reason why the importance of selecting, operating and maintaining an offshore facility must be emphasized. Having well-functioning Onshore and Offshore facilities could mean the difference between profitability and financial demise for any operator. The management of an offshore facility should encompass the complete life cycle consideration of facility, starting from the concept selection to the final decommissioning. How do we ensure safe and cost-effective production facilities against all odds in the 21st century? What would be the holistic approach to balance all the factors to be considered and how far can technology be exploited; marginal fields developments, Arctic, unorthodox locations and finally when do we decide on decommissioning and ensuring every expectation will come to the finish line together?

**TRAINING OBJECTIVES**

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This 5 days' workshop will be a starting point for participants to garner key insights on industry best practices on developing effective production systems and managing ageing facilities, troubleshooting techniques, emerging technologies, project updates and case study, best practices, safety and environmental issues through the medium of discussions, sharing and exchanging ideas. At the end of the course trainee will be able to:

- Understand the basic elements of facilities management Assess the current state of the delegates' facilities management process.
- Learn what best practices are available and what are most suitable for implementation in the delegates' organization.

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- Recognize the need for a proper operational & maintenance control center.
- Understand how to draw up a (preventive) maintenance concept, based on risk.
- Develop strategies to decide when and what to contract out.
- Learn how to monitor performance and results.
- Understand how a benchmark study can help in improving the process.
- Be able to troubleshoot and share experience and knowledge with others.

### WHO SHOULD ATTEND?

#### The course is particularly recommended for:

- Senior Plant Managements
- Field / Asset / Operations Managers / Engineers
- Reliability / Maintenance Managers / Engineers
- Inspection / Quality Assurance Personnel
- Technology Providers / Contractors
- Advisors / Consultants
- Academicians / Researchers
- Fresh Executives
- Facilities Engineering Practitioners

#### TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivate everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of the multiple-choice type will be made available on a daily basis to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

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### DAILY OUTLINE

#### **Day 1**

- Welcome and Introduction
- What is Facilities Management?
- The role of the modern Facilities Manager
- Multi FM services
- Understand your assets.
- Understanding the Stakeholders

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- Stakeholder relationships
- Stakeholder engagement
- Examples

### Day 2

- Offshore Oil and Gas Facilities
- Field Development Planning– Design & Optimization
- Challenges in Addressing Aging Facilities
- Practical Application Examples

### Day 3

- Offshore Oil and Gas Facilities
- Field Development Planning– Installation Methodology
- When Man & Machine Collide
- Troubleshooting Techniques
- Practical Application Examples

### Day 4

- Onshore Oil and Gas Facilities
- Field Development Planning– Design & Optimization
- Field Development Planning– Installation Methodology
- Troubleshooting Techniques
- Practical Application Examples

### Day 5

- Deployment of Technologies and Strategies to Develop Marginal and Brown Field
- Human Factors and HSE Considerations
- Case study, Lesson Learnt and Best Practices
- Recap, Closing

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NOTE:

Pre & Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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