

## Training Title

# PROCESS PLANT TROUBLESHOOTING & ENGINEERING PROBLEM SOLVING

## Training Duration

5 days

## Training Venue and Dates

REF PE050	Process Plant Troubleshooting & Engineering Problem Solving	5	2 – 6 Sept '18	\$4,250	Dubai, UAE
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In any of 5 star hotel. Exact venue will be informed later.

## Training Fees

- 4,250 US\$ 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.

## INTRODUCTION

Excellent Troubleshooting skills are considered a core competency for 'Best-in-Class' industrial companies. If your company's goals include minimizing downtime then this workshop is a must because it delivers rapid, safe Troubleshooting. Register today.

## OBJECTIVES

Participants attending the programme will:

- focuses on how to become a 'Top Gun' Troubleshooter
- develop a structured approach to Troubleshooting and Problem Solving which uses a common terminology and shared understanding
- point the way to Continuous Improvement in the way you run your processes and make incremental efficiency gains
- understand the difference between having a techniques manual on the bookshelf – and actually making it work
- identify the "motivated" people who should be the champions of Troubleshooting and Problem Solving – and who should just follow

- understand work practices which "allow" success in Troubleshooting and Problem Solving

## TRAINING METHODOLOGY

The programme will be conducted in a facilitative style with a combination of lecture, practical experience in the use of techniques, case studies and a high level of lively debate and sharing of ideas. Delegates will be encouraged to introduce problems of their own for discussion and analysis. Copies of all lecture materials, case studies and workbooks will be provided.

## Who Should Attend?

This programme is directed at:

- Supervisors who are involved in the operations function and who are responsible for leading and directing people to achieve and improve productivity levels
- Those faced with the challenge of actually using the various techniques of Troubleshooting and Problem Solving to reduce downtime and waste and improve run efficiencies will benefit
- It is of equal importance to Production, Maintenance Engineering and Process Engineering personnel

## DAY 1

### Concepts

- The nature of problems
- Context – Asset based or Business Process based
- Structured approaches – 6 Big Losses, 7 Wastes
- Techniques introduction
- Tools introduction

## DAY 2

### Tools & Techniques – Practical Experience

- Problem Analysis
- Practical Use of Tools and Techniques
- Case Studies
- Project selection methods
- Tools & Techniques – selecting the right one

## DAY 3

### People Issues

- Working practices – empowerment or impairment?
- Group dynamics
- Individual motivators
- Developing Troubleshooting and Problem Solving skills
- Managing change

## DAY 4

### Operator, Maintainer, Designer Interface

- Cross functional working
- Effect of Maintenance strategy
- Functional analysis
- Concurrent Engineering, Design for Operation, Design for Maintenance

## DAY 5

### Open Forum

- Revisit Concepts, Tools and Techniques
- Case Studies

Last Day Review & Discussions will be carried out

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