



The Academy for Professional Education and Training

IN ASSOCIATION WITH THE CRC FOR INFRASTRUCTURE AND ENGINEERING ASSET MANAGEMENT

Practical Application of Physical Asset Management 2-Day Workshop

This 2-day workshop is especially designed for asset management practitioners who need to fully understand how to *assess the condition* of their *asset equipment* (systems, sub-systems, assemblies and components); how to establish equipment *usage life cycle integrity* and plan for equipment *whole-of-life costs*; how to determine *asset risk and performance measures*; and how to *implement and optimise maintenance actions*. This workshop also includes the application of tactical and operational planning and decision-making in the functions of Integrated Asset Management, and considers current asset management specifications and standards.

DAY 1

Asset management principles and functions, how to assess asset equipment condition and establish equipment usage life cycle integrity, and achieving equipment reliability and safety. Developing Company-Wide Asset Management - *Assets Condition and Usage Integrity Plan*

WORKSHOP CONTENTS

Coffee and registration 08h30 – 09h00

INTRODUCTION

1. Asset Management Principles and Functions
 2. Assets Tactical and Operational Planning
- Morning Tea 10h00 – 10h30
3. Asset Systems Configuration and Integration
 4. Equipment Function and Functional Condition
 5. Equipment Condition Assessment Analysis
 6. Equipment Condition Assessment Modelling
- Lunch 12h30 – 13h00
7. Equipment Condition Monitoring / Measurement
 8. Equipment Usage Life Cycle Process Evaluation
 9. Equipment Degradation and Refurbishment
 10. Equipment Consumption and Preservation
- Afternoon Tea 15h00 – 15h30
11. Equipment Integrity Management and Analysis
 12. Achieving Equipment Reliability and Safety

GROUP DISCUSSION AND QUESTIONS

Closure 16h30

DAY 2 – WORKSHOP 2

Planning for equipment whole of life costs and how to determine risk and performance measures for implementing and optimising equipment maintenance types and actions. Developing Company-Wide Asset Management - *Assets Performance and Maintenance Plan*

WORKSHOP CONTENTS

Coffee and registration 08h30 – 09h00

INTRODUCTION

1. Assets Whole of Life Budgeting and Costing
 2. Equipment Usage Life Cycle Costs Evaluation
- Morning Tea 10h00 – 10h30
3. Qualitative and Quantitative Risk Analysis
 4. Critical Operations and Equipment Functions
 5. Equipment Risk Identification and Risk Factors
 6. Equipment Risk Action Plan and Risk Mitigation
- Lunch 12h30 – 13h00
7. Equipment Function, Utilisation and Performance
 8. Equipment Condition and Performance Measures
 9. Equipment Performance Diagnosis / Prognosis
 10. Equipment Performance Standards and KPIs
- Afternoon Tea 15h00 – 15h30
11. Maintenance Action Selection and Optimisation
 12. Maintenance Planning and Assessment Criteria

WORKSHOP SUMMARY OVERVIEW

Closure 16h30

Workshop Venues: In-Company Training

Workshop Schedule: As Per Arrangement

Arrangement for in-company training, contact www.apetorg.com.au/trother.php or email ics@proics.com