

## Maintenance Economics Workshop

### Description:

Within most machine intensive firms there are increasing and unrelenting pressures on loss management, cost reduction, and increase in productivity. This workshop considers these pressures in the maintenance context. In particular it focuses on the economic as well as the technical decisions that need to be made. The workshop delivers value by finding and resolving the critical points in the firms' performance environment. Thereby reducing the risk of wrong or incomplete decisions in planning and navigating through the "maintenance decision fog".

The workshop is suitable for the underpinning analysis of any machine intensive industry such as defence, utilities, health, and mining.

To register for this workshop, please action the attached registration and tax invoice form.

### Overview

- The Decision Fog
- The Trigger Point
- Enterprise Competitive Advantage
- Governance, Compliance & Policy
- Through Life Acquisition & Sustainment
- Through Life Utilization & Sustainability Profile
- Business Excellence Framework (ABEF-ADRI)
- Data
- Economic Scope
- Accounting Scope
- Factors of Analysis
- Operations Management

### Performance Measures

- Quality
- Productivity
- Technical
- Economic
- Financial
- Management
- Organization
- Budgets

### Qualitative Assessment

- Issues to consider
- Planning and Navigation
- Checklist – RACI Chart

### Economic Assessment

- Productivity & Scarcity
- Economic Factors
- Marginal Utility

### Technical Assessment

- Reliability, Maintainability & Availability
- Fault, Failure & Damage Analysis
- Maintenance Task Analysis
- Maintenance Task Plans
- Maintenance Support Plans

### Financial Assessment

- Whole of Life Cost Evaluation & Standards
- Cost Centres
- Cost Drivers
- Fixed & Marginal Costs
- Cost Estimating Techniques: Direct, Analogous, Parametric, and CAIV.
- Money Measures: Discounted Cash Flow (DCF), IRR, MARR, ROI, etc
- Equivalent Worth Calculations
- Product & Support Costs
- Software & Intangible Costs
- Inventory Management
- Depreciation

### Operational Excellence

- Economic Context
- Technical Context

### Applied Workshop

- Case study
- Impact of Change and Update
- Consequential Analysis- impact on customers
- Improvement Candidates – e.g. Rework Rate

