

Early Equipment Management/ Maintenance Prevention

3 Day Workshop

Most managers and engineers have had experience of working with troublesome assets that need significant attention during routine operation. Perhaps even of assets that took months to get to the point where they can be used productively. Often this leaves a legacy of high levels of production manning to deal with the side effects of unpredictable performance, regular visits from maintenance technicians, more frequent quality checks and high levels of material "give away"/scrap allowances. In the widest sense, such assets are "high maintenance" with correspondingly high running costs.



Maintenance Prevention was developed from studies of why sometimes organisations make the wrong choice about equipment and end up with "High Maintenance" assets that cost more than expected, don't work well and fail to deliver their full potential. The result was a process to translate the shop floor reality into MP friendly design standards and manage the timely collaboration of skills and resources needed to deliver equipment and processes which:

- Have lower life cycle costs because they are 1. Easy to use, 2. Easy to maintain, 3. Intrinsically reliable and 4. intrinsically safe;
- Have enhanced project value in terms of flexibility to evolving customer needs/features and levels of return on investment
- Achieve flawless operation from day 1.

Also known as Early Equipment Management the technical gains from applying MP principles and techniques include

1. Reduced levels of intervention during the production process leading to lower quality defects
2. Extended asset life and lower energy and maintenance cost per 1000 hours due to low rates of "accelerated wear".
3. Improved safety/human error performance due to easy to run processes which require less training,
4. Simpler planning and coordination due to increased predictability of asset performance.

DAK Consulting,

Chiltern House, 45 Station Road, Henley on Thames, RG9 1AT, UK
Telephone: +44 (0)1491 845504, email: info@dakconsulting.co.uk

Other gains from applying MP principles and techniques include

1. Improved cross functional collaboration leading to faster capital project delivery, enhanced customer value and the capability to deliver innovative solutions on time under budget.

Maintenance Prevention 3 Day Workshop

Location Newbury, Berkshire, UK

Cost: £950 per delegate plus VAT includes all course materials refreshments, and lunch on all 3 days.
Accommodation can be arranged at an additional cost

Why attend the workshop?

The learning goals for the workshop are to help participants to:

- Understand what is Maintenance Prevention (MP), why it is important and how to apply MP principles.
- Collate and structure current knowledge and best practice to improve equipment design decisions;
- Analyse existing and proposed equipment to identify MP weaknesses and improve equipment design specifications;
- Incorporate MP standards and checklists into equipment specification, procurement and implementation programmes to reduce equipment life cycle costs and enhance project value.
- Develop customised plans to implement Maintenance Prevention principles and techniques into current project management/capital project processes.

The content of the workshop was developed from our work with well known and award winning organisations, It provides a practical insight into how to build on improvement tools introduced during our Lean Maintenance, TPM and Lean Team Leader CI toolbox workshops. It also provides practical tools to enhance 6 Sigma, project management, plant upgrade and new product introduction processes.

The workshop content covers theory, case studies and practical activities to reinforce the learning point including:

- a table top simulation/MP assessment based using video of a live production line;
- MP Design exercises using the one of the key modules from this line;
- Development of a MP project plan

Delegates will take away a comprehensive workbook containing briefing notes and supporting templates so that they can apply MP tools back at the workplace.

Day 1:

Introduction

- Introduction to workshop/Learning goals
- What is Maintenance Prevention, why is it important
- Case study
- Assessing Asset MP status and improvement priorities
- Identifying weak components and improvement targets
- Equipment Management Projects, What goes wrong?
- Assessing/Designing MP friendly project management processes

Knowledge Management

- Collating tacit knowledge
- Developing MP design standards and accountabilities
- Setting triggers for Innovation
- Testing design concepts against MP standards
- Defining and addressing knowledge gaps
- Developing MP friendly high level design specs/evaluating procurement options
- MP Best practice design

Day 2

Delivering Equipment Design Excellence

- Life cycle cost modelling
- Prioritising critical decisions
- Understanding the new shop floor reality
- Stage gate planning, organisation and review
- Problem prevention
 - Team roles and key decisions
 - Working with vendors/win win alliances
 - Quality audits
- Enhancing Project Value
 - Value Engineering (Introduction to Lean Design and Design for Six Sigma)
 - Operations design for low life cycle costs

Day 3

Delivering Flawless Operation

- MP, Operations and preventive maintenance working practices
- Training, skill development and standardisation to reduce finger trouble
- Commissioning, test runs and focussed improvement
- Technology transfer and documentation management
- Process Optimisation and continuous improvement goals

Implementing MP friendly practices

- Designing an MP programme
- Making MP part of your next project

Action Planning

- Developing the project vision
- Quality plan milestone design
- 100 day action plan

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| <p>Date/Venue Contact us for next dates</p> <p>Timing 9.00 to 17.00 Day 1 8.30 to 17.00 Day 2 8.30 to 16.00 Day 3</p> | | <p>Workshop Fees: £950 + £190.00 VAT (€1140.00) 3rd delegates 15% discount</p> <p>Workshop fees include notes, coffee/tea and Lunches during the 3 days.</p> <p>Accommodation available at additional cost (Discount not applicable)</p> <p>Full payment is required before places can be reserved. Cancellation charges apply.</p> <p>We regret that bookings cannot be accepted from consultants</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Complete and return this booking form to DAK Consulting, Chiltern House, 45 Station Road, Henley on Thames, RG9 1AT Or contact Sue Catt on Tel: +44(0)1491 845504 Sue. Catt@dakconsulting.co.uk</p> <p>Payment can be made by:</p> <ol style="list-style-type: none"> attaching a cheque made payable to "DAK Consulting" requesting us to invoice your company against purchase order number: _____ | | <table border="1"> <tr><td>Name</td><td></td></tr> <tr><td>Position</td><td></td></tr> <tr><td>Company</td><td></td></tr> <tr><td>Address</td><td></td></tr> <tr><td>Post Code</td><td></td></tr> <tr><td>Telephone</td><td></td></tr> <tr><td>Facsimile</td><td></td></tr> <tr><td>Email</td><td></td></tr> <tr><td>Nights Accommodation required</td><td></td></tr> </table> | | Name | | Position | | Company | | Address | | Post Code | | Telephone | | Facsimile | | Email | | Nights Accommodation required | | | | | | | | | | | | | | | | | | | |
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