

Reliability-centred Maintenance II

[RCM2]

3-day Training Course

22-24th March 2011 – Warrington/Lymm

17-19th May 2011 – Bristol

5-7th July 2011 – Durham

11-13th October 2011 – London Heathrow

Reliability-centred Maintenance II [RCM2] ...

- an approach which enables users to improve plant availability, safety and environmental integrity, more quickly and cost-effectively than ever
- an approach which allows equipment operators to achieve better and more consistent product quality
- an approach which recognises that new production technologies need new maintenance solutions, especially complex technologies which make extensive use of electronic, pneumatic and hydraulic systems with high levels of built-in protection
- an approach which acknowledges the growing importance of new maintenance technology (especially condition monitoring) but also acknowledges that more traditional forms of maintenance still have a place
- an approach which greatly reduces routine (cyclic) workloads compared with existing preventive maintenance programmes, and which also enables maintenance programmes to be developed for new equipment with great speed, confidence and precision
- an approach which recognises that successful maintenance management demands complete understanding and co-operation between the maintainers and users of the equipment, and which provides both sides with a common language and a common set of values which enable them to achieve this co-operation
- above all, an approach which enables maintenance managers to determine the *right* maintenance for their plant and equipment.

RCM was originally developed in the demanding environment of the civil aviation industry. Since the early 1980s, the Aladon Network has helped companies to apply it in hundreds of industrial locations around the world - work which led to the development of RCM2 for industries other than aviation in 1990.

RCM yields results very quickly; most organisations can complete an RCM analysis on existing equipment and achieve substantial benefits in a matter of months. This course provides a comprehensive introduction to RCM2 and is the first step towards the introduction of RCM2 in your organisation.

In-company courses

Please note that this course is available on an in-company basis. Mutual Consultants Limited is also able to provide on-site advice and guidance in the implementation of RCM2. For more information, please give us a call on: **+44 (0)1788 555000** or visit our website: **www.mutualconsultants.ltd.uk**

Mutual Consultants specialises in helping clients to introduce RCM2. We have leading organisations in the UK as our clients and have been a member of the Aladon Network for 20 years. Worldwide, the Aladon Network has trained over 80,000 people and helped to apply RCM2 on over 2,000 sites in 60 countries.

COURSE TUTOR: Simon Deakin

Simon is a specialist consultant in the industrial and process application of Reliability-Centred Maintenance. Over the past 24 years he has worked with leading companies in the UK with the application and implementation of RCM2.

Reliability-centred Maintenance II [RCM2]

COURSE CONTENT:

Introducing RCM2

Gathering information

- Defining functions and performance standards
- Defining failure (functional failures)
- Establishing the causes of failure (failure modes)
- What happens when failures occur (failure effects)

Assessing failure consequences

- Hidden/unrevealed failures
- Failures that threaten safety or the environment
- Failures that affect operational capability
- Failures that only entail the direct cost of repair

Proactive Maintenance

- Condition-based maintenance
- Scheduled restoration tasks
- Scheduled discard tasks

Default Actions

- Failure-finding tasks
- Redesign
- When to run to failure

Applying the RCM2 Process

- RCM review groups
- The RCM2 facilitator

What can be achieved using RCM2

- Implementation strategies
- Getting started

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INTENDED FOR:

Anyone who wishes to secure optimum performance from any physical asset, from the viewpoint of output, product quality, customer service, safety or environmental integrity. The course will most interest those:

- responsible for maintenance (**maintenance managers and supervisors and technical specialists**)
- responsible for the assets being maintained (**production/operations managers**)
- responsible for safety and environmental integrity

WHAT PARTICIPANTS WILL LEARN

Delegates learn what RCM2 is and how it works (*extensive use is made of exercises and case studies throughout the course*). They will also learn what RCM2 achieves, how it achieves it, and what resources are needed to apply it successfully.

Industries using RCM successfully include • mining • railways • steel mills • electronics • packaging • car makers • petrochemicals • armed forces • electric/gas/water utilities • pharmaceuticals • food processors • metalworking • paper making • brewing • microelectronics • building services • cement • data centres • offshore oil & gas • etc •

Presented by

Mutual Consultants
in association with **ALADON**

Course Administration & Fees

The course starts at 9.00 am and closes at 5.00 pm on days 1&2 and at 4.00 pm on the third day and is limited to sixteen delegates. Places are allocated on a 'first-come, first-served' basis with preference given to organisations who have paid. The course fee includes lunch and mid-morning/ mid-afternoon refreshments. (Participants who have special dietary requirements are asked to indicate these on the registration form.) A comprehensive set of course notes will be provided for each delegate.

To enrol on the course, please complete the form below before the course closing date. The fee per delegate is **£1,110.00 inclusive of VAT (£925.00 plus VAT) and must be paid by cheque, BACS transfer or credit card prior to the course closing date.** A VAT invoice will be issued on receipt of the completed enrolment form.

Cancellations may be made in writing prior to the closing date but are subject to a 25% cancellation fee; cancellations after the closing date but more than 2 weeks before the course start date will incur a cancellation fee of 50%. Cancellations within 2 weeks of the start date are non-refundable but substitutions are acceptable at any time. The fee will be refunded in full if a course is cancelled for whatever reason.

Please note that the course fee does not include accommodation; delegates or their employers must make their own arrangements if accommodation is required.

PC0111

Please enrol these delegates on the following RCM2 Course:

Course Delegate(s)

Amount Due:
(No. delegates x
£1,110.00):

22-24th March 2011
Warrington/Lymm
(closing date 25th February)

17-19th May 2011
Bristol
(closing date 15th April)

5-7th July 2011
Durham
(closing date 3rd June)

11-13th October 2011
London Heathrow
(closing date 9th September)

Nominated by:

Dr/Mr/Mrs/Ms:

Name:

Company:

Address:

Post Code

Telephone:

Email:

Payment: By Cheque or BACS (please tick):

Please debit my credit card (Visa/Mastercard):

Name on Card:

Cardholder Address (if different):

Post Code

Card Number:

Security Code:

Expiry Date:

Issue Number (Switch cards only):

Please return the completed form (or a copy) to:
Mutual Consultants Ltd. Eastlands Court, St. Peter's Road,
Rugby, Warwickshire. CV21 3QP United Kingdom

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