
WORKSHOP

Introduction to reliability

A one day training workshop covering processes and methods that you can use to identify your reliability issues.

26th September 2018 - Daresbury, ABB Office



Introduction to reliability workshop

Today, UK industry needs to be as safe and efficient as possible in order to compete in the global market place. A key factor in ensuring these requirements is the reliability of the plant assets.

Set against a background of ageing plant, tighter legislation, the continuous drive for increased production at the same time as cost reduction, engineers are expected to improve the up-time and reliability of plant equipment. This workshop will outline a number of processes and methods that you can use to identify your reliability issues and begin to tackle them.

You will hear from ABB reliability consultants who as well as being acknowledged as experts in their field also have a background in front-line maintenance management. You will have the opportunity to learn from them and incorporate their experiences into your improvement plans.

Background to the workshop

For a number of years ABB has worked with clients in the oil and gas, pharmaceutical, food, chemical, paper and metals industries, helping them to improve the reliability of their assets. This improvement work has ranged from delivering tailored training packages to developing full site maintenance policies. In addition to a practical introduction to a number of reliability improvement techniques, the workshop will give you the opportunity to share your experience and to pick up examples of good practice from the tutors and the other attendees.

The training method

The workshop will consist of a number of practical interactive sessions to cover the following techniques and topics:

- **Criticality analysis**
The vital starting point which allows you to prioritise your assets to make best use of limited resources
- **Loss analysis and reporting**
Key processes for analysing and losses and for focusing resources on specific problems
- **Root Cause Analysis (RCA)**
A technique for identifying the fundamental cause of an issue such as an accident or an equipment failure
- **Failure Modes and Effects Analysis (FMEA)**
A method for identifying potential failures and developing appropriate maintenance strategies to prevent them or to mitigate their effects
- **Spares management**
The lack of correct spares is often a fundamental cause of poor reliability. This session looks at simple techniques to identify required spares
- **KPIs and benchmarking**
Covers key measures of maintenance and reliability and suggests what level these would have to reach to be called 'World Class'
- **What is your reliability performance?**
This interactive session uses another problem solving technique called CEDAC to look at those issues faced in their workplace by the delegates themselves

Price

£345 + VAT

Who should attend?

Representatives from all businesses and organisations involved in the reliability and maintenance of assets would benefit from attending this workshop. It would be of particular interest to site managers; maintenance and engineering managers; plant engineers and reliability engineers; plant / operations managers and health, safety & environmental managers. The workshop will provide an excellent opportunity for networking with other professionals who share an interest in asset reliability.

Course tutors

Martin Brown BEng, CEng, MIMechE is a Principal Consultant with ABB. He is an experienced practitioner involved in

improving maintenance, reliability and integrity management for a wide range of companies across the chemical, oil & gas, and pharmaceutical industries.

Laurence Plant, MBA, BSc CEng, MIMechE is a Principal Consultant with ABB. He has a maintenance and engineering background in pharmaceuticals, chemicals FMCG and plastics. Laurence has been involved in a wide range reliability improvement projects.

Norman Woodward BEng CEng MSOE MIPlantE is a Consultant with ABB. His background is maintenance, turnaround and project management for a wide range of companies in the chemical industry.

Workshop agenda*

08.30	Registration and coffee
09.00	Introduction
09.15	Reliability - the basics
09.45	Criticality analysis
10.30	Coffee and networking
10.45	Loss analysis and reporting
11.15	Root Cause Analysis (RCA)
12.15	Lunch and networking
13.15	Failure Modes & Effects Analysis (FMEA)
14.15	Coffee and networking
14.30	Spares management
15.00	Key Performance Indicators (KPIs) and benchmarking
15.30	Maintenance and reliability issues - CEDAC
16.00	Closing comments

*ABB reserve the right to amend the agenda.

How to book

Web: www.abb.com/uk/consulting/training

Email: jackie.kendall@gb.abb.com

Phone: Call Jackie Kendall on +44 (0)1642 372121

Booking form

No. of places

26th September 2018 - Daresbury, ABB Office

Delegate details

Dr/Mr/Mrs/Ms

First Name

Surname

Job title

Company name

Address

Telephone

Email

Fee per delegate

£345 + VAT

Discounts are available for bookings of 3 or more delegates. The fee includes workshop documentation, refreshments and lunch but does not include accommodation.

Payment

Please debit my credit card (Mastercard / Visa / American Express)

Card number

Cardholder details (if different)

Expiry date

Security code

Cancellations made up to 28 days prior to the event will be subject to an administration fee of £50. Cancellations made 27-14 days prior to the event will be subject to a cancellation fee of 50%. Cancellations made thereafter will be subject to the full event fee, however a substitute delegate can be named at any time. Prices apply to bookings made prior to 31st December 2018.

Payment is due at the end of the month following a booking confirmation - ABB reserves the right to cancel bookings if payment is not made by this date. Accommodation is not included in the fee. We have reserved a limited amount of hotel accommodation subject to confirmation. Please mention you will be attending an ABB event when booking. Hotel details will be forwarded on receipt of the registration form. It may be necessary for reasons beyond the control of the organisers to cancel the event, alter the content, change the timing of the programme, or the listed speaker(s). This event is aimed at operating company personnel only. Please note: If you request overnight accommodation at the hotel via ABB and then choose to cancel less than 2 weeks prior to the event then it is your responsibility to pay any cancellation fees. ABB reserves the right to use any photograph / video taken at any event.