



MAINTENANCE AND RELIABILITY TRAINING COURSE

Learn from Industry reliability experts, and utilize technology and methods practiced across multiple industries to drive optimal asset performance

RELIABILITY

How often can an asset fail?

AVAILABILITY

Likely proportion of time that an asset is running or ready to run

MAINAINABILITY

How long can an asset take to be repaired?

AIE's 1-day Maintenance and Reliability training course can make a significant and lasting difference to your asset performance

- ANALYSE system reliabilities and identify components with reliability issues
- REVIEW failure data and categorize based on importance
- LEARN failure patterns over time and life cycle costs
- IMPLEMENT changes in maintenance to reduce costs and eliminate unplanned downtime
- UNDERSTAND the different models used for assessing system reliability
- COMPLETE a series of equipment failure case studies and gain experience
- ENGAGE with various Technologies
- NETWORK with a variety of influential personnel

WHO SHOULD ATTEND?

The course is intended for Managers, Maintenance and Reliability Engineers, Operations Personnel and Technicians.

It targets various industry sectors; Including Energy, Mining, Petrochemical & Chemical, Refineries, Power & Utilities, Nuclear.

COURSE DETAILS

OVERVIEW

Our 1-day Maintenance and Reliability Training Course provides a comprehensive understanding on reducing maintenance and repair costs, increasing equipment reliability and confirmation with international and company standards.

It provides a combination of actions carried out in order to replace, repair, service or modify a physical asset or its components.

The course highlights the failure probability of equipment, active repair time and assessment of unavailability. It also touches on the calculation of the MTTF and MTTR.

Our trainers emphasize the different types of Reliability Block Diagrams alongside engaging case studies to allow participants to fully engage with the material and reinforce learning.

Different technology options are reviewed and discussed to ensure they deliver optimal results for the maintenance and reliability program.

The course is delivered in 4 intensive modules which are interrelated and written to create a structured and comprehensive learning environment.

DAY 01

Module 1: Reliability, Availability, Maintainability

Introduction to Reliability, Availability, Maintainability

- Basic definitions
- Failure modes, MTTF and MTTR calculations
- Maintainability and cost assessments

Module 2: Reliability and Statistical Definitions

Reliability definitions and statistical descriptions alongside the various applications

- Failure data and its parameters
- Failure patterns / time, life-cycle costs

Module 3: Assessing the Reliability of Systems

Illustration of the various Reliability Block Diagrams

- Reliability block diagrams
- Series and parallel dependency

Module 4: Technology Enabled Maintenance

Overview of different technologies to drive maintenance delivery

- Maintenance Watchkeeping & Condition Monitoring
- CMMS setup and approach

PROGRAM SCHEDULE (1-DAY)

- 09:00 - 10:30 Morning Session 1
- 10:30 - 11:00 Refreshments & Networking Break
- 11:00 - 12:30 Morning Session 2
- 12:00 - 13:30 Lunch
- 13:30 - 15:00 Afternoon Session 1
- 15:00 - 15:30 Course Roundup and Finalization
- 15:30 - 16:00 Refreshments & Networking Break
- 16:00 - 17:00 Afternoon Session 2

COURSE FACILITATOR

The course is delivered by AIE's principal Maintenance engineers who are experts in the industry and have hands-on experience in setting up and implementing an effective Maintenance and Reliability system.

We promise our delegates an interactive and constructive course during which the skills and experience of our facilitators and delegates is shared.

FLEXIBLE TO MEET YOUR REQUIREMENTS

AIE provides training courses tailored to our clients' unique operating environments. We also offer a comprehensive range of operational risk management services. Please contact us with your enquiry at: training@aiegroup.org or info@aiegroup.org To view our full range of services, visit us on: www.assetintegrityengineering.com

REGISTER NOW

Please complete the below form in full using **BLOCK CAPITALS**.

One completed form is required per delegate. Booking forms and any enquiries should be emailed to training@aiegroup.org.

Delegates can also register direct via our website: <http://www.assetintegrityengineering.com/training/book-now/>

DELEGATE DETAILS PLEASE USE BLOCK CAPITALS

TITLE (MR, MS, MRS, DR.)

FIRST NAME

LAST NAME

YOUR DESIGNATION

COMPANY NAME

DEPARTMENT

NAME OF DEPARTMENT HEAD

NAME OF TRAINING MANAGER

ADDRESS

COUNTRY

POSTAL CODE

EMAIL

TELEPHONE

FAX

SIGNATURE

I HEREBY AGREE TO
AIE'S TERMS AND
CONDITIONS FOR THIS
TRAINING COURSE

DATE

TRAINING PRICE

COURSE TITLE

Maintenance and Reliability

EARLY BIRD PRICE

800 USD*

NORMAL PRICE

1,150 USD

Prices quoted are per delegate attending. Team discounts are available on request.

Please note: accommodation and travel costs are not included in the course fees.

*The Early Bird Price expiry date is as per the training schedule shown on our Online Training Courses webpage (<https://www.assetintegrityengineering.com/training/online-training-courses/>).

TERMS & CONDITIONS

Payment must be made in full at time of registration. Registration will only be confirmed once payment is received in full and notification is received back from AIE. All bank charges to be borne by the payer. All early bird bookings must be paid in full before the offer date closes, otherwise course fees will be charged in full and discount will be lost. It is the responsibility of the attendee to ensure that they have an adequate internet connection as well as audio and microphone facilities.

PAYMENT METHOD

Payment must be made by direct bank transfer. An invoice will be submitted within 5 days of making the booking which will include all bank account and transaction details.

CANCELLATION & POSTPONEMENT POLICY

Payments are non-refundable in the event of cancellation. However, substitute delegates are permitted at any time by providing advance notice to AIE.

In the event that AIE postpones the course and the delegate is unable or unwilling to attend on the rescheduled date, a full refund of monies will be provided. This repayment is limited to the course fees only and does not cover travel and accommodation expenses.

AIE shall assume no liability in the event of this conference being cancelled due to any unforeseen or uncontrollable circumstances.