



ENGINEERING AND TECHNICAL TRAINING

Maintenance and Reliability Practices

3 day course

Classroom, online or in-house

Course overview

Maintenance organisations are judged on cost and availability, which pull against each other, and the practices that improve both at once are a defined body of knowledge rather than a matter of experience alone. This course covers that body of knowledge. Delegates work through maintenance strategy and the mix of reactive, preventive, predictive and improvement work an asset base warrants, reliability concepts including failure patterns and why most equipment does not wear out on a schedule, and work management from identification through planning and scheduling to execution and close out. Asset performance measurement follows. Materials, spares and the interface with stores are covered. Defect elimination and continuous improvement are addressed. The course closes on maintenance organisation, competence and the case for changing how the function works.

What you will learn

- Set a maintenance strategy across reactive, preventive and predictive work
- Apply reliability concepts including failure patterns
- Explain why most equipment does not wear out on a schedule
- Run work management from identification through to close out
- Measure asset performance meaningfully
- Manage spares and the interface with stores
- Eliminate defects and make the case for changing the function

Who should attend

- Maintenance managers
- Reliability engineers
- Plant engineers
- Asset management leads
- Maintenance planners preparing for professional certification

Course outline

- 01 Cost and availability pulling against each other
- 02 Maintenance strategy and the work mix
- 03 Reliability concepts and failure patterns
- 04 Why scheduled replacement often fails
- 05 Work identification, planning and scheduling
- 06 Execution, close out and history
- 07 Asset performance measurement
- 08 Spares, defect elimination and organisational change

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 to 30 October 2026	Maputo, Mozambique	Classroom	USD 995
7 to 9 December 2026	Lagos, Nigeria	Classroom	USD 995
6 to 8 January 2027	Maseru, Lesotho	Classroom	R14,950
10 to 12 March 2027	Nairobi, Kenya	Classroom	USD 995



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afri-science.co.za, or WhatsApp us on **+27 63 479 1136**.

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