



MAINTENANCE MANAGEMENT TRAINING

Asset Integrity Management for Process Industries

3 day course

Classroom, online or in-house

Course overview

Asset integrity is the discipline that keeps pressure equipment, pipework and structures containing what they hold, and it fails slowly enough that a plant can be degrading for years while every report says it is fine. This course covers managing it. Delegates work through the integrity management framework and the safety critical equipment it covers, damage mechanisms by service and the degradation each produces, and inspection strategy including risk based intervals. Performance standards for safety critical elements are covered, since an element without a standard cannot be verified. Anomaly management follows: recording, assessing and closing out defects rather than accumulating them. Fitness for service and temporary repair are addressed. The course closes on integrity operating windows and on the backlog that quietly becomes the real condition of the plant.

What you will learn

- Apply an integrity framework across safety critical equipment
- Identify damage mechanisms by service and the degradation each causes
- Set inspection strategy and risk based intervals
- Write performance standards that make an element verifiable
- Record, assess and close out anomalies rather than accumulating them
- Apply fitness for service and control temporary repairs
- Operate integrity operating windows and manage the inspection backlog

Who should attend

- Integrity and inspection engineers
- Process and mechanical engineers
- Maintenance and reliability engineers in oil, gas, and process plants
- Static equipment inspectors
- HSE and technical safety professionals

Course outline

- 01 Degrading for years while reports say otherwise
- 02 The integrity management framework
- 03 Safety critical equipment
- 04 Damage mechanisms by service
- 05 Inspection strategy and risk based intervals
- 06 Performance standards and verification
- 07 Anomaly management and close out
- 08 Fitness for service, temporary repair and backlog

Upcoming dates

Dates	Venue	Format	Fee per delegate
12 to 14 October 2026	Johannesburg, South Africa	Classroom	R14,950
21 to 23 October 2026	Online	Online	R6,500
2 to 4 November 2026	Lagos, Nigeria	Classroom	USD 995
25 to 27 January 2027	Dar es Salaam, Tanzania	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@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afriscience.co.za | Pretoria, Gauteng, South Africa