



ENGINEERING AND TECHNICAL TRAINING

Pipeline Integrity and Flow Assurance Management

3 day course

Classroom, online or in-house

Course overview

Pipelines fail slowly and then suddenly, and most of the warning appears in data somebody has to be looking at. This three day course covers the engineering and operational disciplines that keep oil and gas pipelines flowing safely over long distances. Delegates work through corrosion mechanisms and cathodic protection on buried line, the planning and interpretation of inline inspection and intelligent pigging runs, and the flow assurance risks that stop a line without any loss of containment at all, including hydrate formation, wax deposition and slugging. Risk assessment is applied using recognised integrity management frameworks, and the course closes on leak detection, emergency response and regulatory compliance for the cross border networks serving the Southern African interior.

What you will learn

- Apply corrosion monitoring and cathodic protection principles to buried pipelines
- Plan and interpret intelligent pigging and inline inspection programmes
- Identify and mitigate flow assurance risks including hydrates and wax deposition
- Conduct pipeline risk assessment using recognised integrity management frameworks
- Develop leak detection and emergency response procedures for pipeline systems
- Assess third party interference and right of way exposure along a route
- Plan pipeline repair, recoating and rehabilitation work

Who should attend

- Pipeline engineers
- Integrity engineers
- Operations supervisors
- HSE coordinators
- Asset integrity managers

Course outline

- 01 Pipeline design and materials fundamentals
- 02 Corrosion mechanisms and cathodic protection
- 03 Inline inspection and intelligent pigging
- 04 Flow assurance: hydrates, wax and slugging
- 05 Third party interference and right of way management
- 06 Pipeline risk assessment and integrity management systems
- 07 Repair, recoating and rehabilitation
- 08 Leak detection, emergency response and regulatory compliance

Upcoming dates

Dates	Venue	Format	Fee per delegate
2 to 4 November 2026	Johannesburg, South Africa	Classroom	R14,950
2 to 4 December 2026	Nairobi, Kenya	Classroom	USD 995
27 to 29 January 2027	Port Louis, Mauritius	Classroom	USD 995
3 to 5 February 2027	Cape Town, South Africa	Classroom	R14,950



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**.

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