



PROCESS AND CHEMICAL ENGINEERING

Storage Tank Inspection, Maintenance and Repair

5 day course

Classroom, online or in-house

Course overview

Atmospheric storage tanks hold the largest inventories on most sites and fail through mechanisms that develop invisibly under the floor. This course covers keeping them in service safely. Delegates work through tank types and construction, the degradation mechanisms affecting floor, shell and roof, and the inspection regime including in service and out of service scope. Floor scanning, settlement measurement and shell evaluation are covered practically. Repair and alteration requirements follow, along with the reassessment that governs return to service. The course closes on overfill protection, secondary containment and the emissions controls attaching to tank operation.

What you will learn

- Describe tank types, construction and their weak points
- Identify degradation mechanisms in floor, shell and roof
- Plan in service and out of service inspection scope
- Interpret floor scanning, settlement and shell evaluation results
- Specify repairs and alterations to code
- Reassess a tank and set the next inspection interval
- Apply overfill protection, containment and emissions controls

Who should attend

- Tank and equipment inspectors
- Integrity and corrosion engineers
- Terminal and depot operations staff
- Maintenance engineers and planners
- HSE staff responsible for bulk storage

Course outline

- 01 Tank types and construction
- 02 Degradation of floor, shell and roof
- 03 In service inspection
- 04 Out of service inspection scope
- 05 Floor scanning and settlement measurement
- 06 Repair and alteration to code
- 07 Reassessment and inspection intervals
- 08 Overfill protection, containment and emissions

Upcoming dates

Dates	Venue	Format	Fee per delegate
12 to 16 October 2026	Online	Online	R8,500
30 November to 4 December 2026	Johannesburg, South Africa	Classroom	R19,950
21 to 25 December 2026	Lusaka, Zambia	Classroom	USD 1,325
4 to 8 January 2027	Dar es Salaam, Tanzania	Classroom	USD 1,325



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** 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@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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