



CEMENT MANUFACTURING

Cement Factory Maintenance and Optimisation

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

Maintaining a cement plant for availability, and finding the optimisation that maintenance work makes possible.

Cement plants run continuously, so maintenance is a negotiation with production over a fixed amount of downtime. This week covers the strategy behind that negotiation: criticality assessment, the right maintenance approach for each asset class, condition monitoring, and shutdown planning and execution. Optimisation is treated as part of maintenance rather than separate from it, since a shutdown is usually the only opportunity to change anything physical.

Available as classroom, live online, in house.

Who it is for

Maintenance managers, engineers and planners, reliability engineers, production managers negotiating downtime, and shutdown coordinators.

What you will be able to do

- Assess criticality and assign a maintenance strategy accordingly.
- Build a condition monitoring programme that catches failures early.
- Plan and execute a shutdown that finishes on time.
- Combine maintenance and optimisation work in one window.
- Measure maintenance on availability rather than activity.

The outline

DAY 1

Strategy

Criticality assessment · Preventive, predictive and run to failure · Spares policy against criticality

DAY 2

Condition monitoring

Vibration on mills, fans and crushers · Thermography and shell scanning · Oil analysis and wear debris

DAY 3

Major equipment

Kiln mechanical condition and alignment · Mill and crusher maintenance · Fans, conveyors and dedusting

DAY 4

Shutdowns

Scope development and freezing it · Sequencing and resource levelling · Execution, contractors and handback

DAY 5

Optimisation in the window

Identifying improvements only a shutdown allows · Justifying them alongside maintenance scope · Verifying the gain after start up

What you leave with

- A criticality assessment for one plant section.
- A condition monitoring plan.
- A shutdown plan with scope frozen and sequenced.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Dubai, United Arab Emirates	US\$1,500
30 November 2026 to 4 December 2026	Windhoek, Namibia	R15,000
7 to 11 December 2026	Accra, Ghana	US\$1,500
14 to 18 December 2026	Maseru, Lesotho	R15,000

Fees are per delegate and cover all course materials. Registration fees are arranged by the delegate. Reg

Register or ask a question

globalaxistraining.co.za/courses/cement-factory-maintenance-and-optimisation
info@globalaxistraining.co.za
+27 72 337 9234

250 Beyers Naude Drive, Rustenburg, North West, 2999, South Africa

This copy was produced on 30 October 2026.