GATI

CEMENT MANUFACTURING

Process Engineering Clinker and Cement Grinding

DURATION	CONTACT HOURS	LEVEL	FEE PER DELEGATE
5 days	30	Intermediate	US$1,500

Process engineering across the clinker and cement grinding sections, from design basis through to daily performance.

This week sits between the chemistry and the equipment, covering the engineering decisions that connect them. It works through design basis and equipment sizing, the circuit configuration choices and what each commits the plant to, mass and energy balances around the grinding sections, and the performance monitoring that tells whether the design is being realised. It suits an engineer who has to specify, evaluate or defend a grinding installation rather than operate one.

Available as classroom, live online, in house.

Who it is for

Process engineers, project and study engineers, technical managers evaluating proposals, and plant engineers responsible for section performance.

What you will be able to do

- Establish a design basis from product and feed requirements.
- Size major equipment and check a vendor proposal.
- Build balances around the grinding sections.
- Compare circuit configurations on cost and flexibility.
- Monitor performance against the design basis.

The outline

DAY 1

Design basis

Product range, fineness and capacity · Feed characteristics and variability · Availability and utilisation assumptions

DAY 2

Sizing

Mill and separator sizing · Fan, conveyor and dedusting sizing · Checking a vendor guarantee

DAY 3

Balances

Mass balance around the circuit · Heat balance and moisture · Gas flow and pressure profile

DAY 4

Configuration

Open against closed circuit · Pregrinding options · Flexibility for multiple products

DAY 5

Performance

Key indicators and their definitions · Deviation from design, and its usual causes · Reporting to management

What you leave with

- A design basis document for a grinding section.
- A vendor proposal review with the gaps identified.
- A performance monitoring set tied back to design.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Dar es Salaam, Tanzania	**US$1,500**
30 November 2026 to 4 December 2026	Accra, Ghana	**US$1,500**
7 to 11 December 2026	Lagos, Nigeria	**US$1,500**
14 to 18 December 2026	Cape Town, South Africa	**R15,000**

Fees are per delegate and co
arranged by the delegate. Reg

Register or ask a question

globalaxistraining.co.za/courses/process-engineering-clinker-and-cement-grinding
info@globalaxistraining.co.za
+27 72 337 9234

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

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