GATI

CEMENT MANUFACTURING

Equipment and Process Functions in the Cementing Industry: Part (1)

DURATION	CONTACT HOURS	LEVEL	FEE PER DELEGATE
5 days	30	Intermediate	R15,000

Part one: the raw side. Crushing, conveying, storage, raw grinding and homogenisation equipment.

The first of three parts covering plant equipment by section. This one takes the raw side, from quarry face to kiln feed: crushers and their selection, conveying and storage systems, raw grinding equipment, and the homogenisation silos that absorb what the quarry could not. For each item it covers what it does, how it is sized, how it fails and what the operator and maintainer each need to watch.

Available as classroom, live online, in house.

Who it is for

Production and maintenance personnel on the raw side, new process engineers, technicians and supervisors, and planners scoping raw side work.

What you will be able to do

- Describe the function of each major raw side machine.
- Explain how each is sized and what limits its capacity.
- Recognise the common failure modes of each.
- Identify the operating parameters that matter for each.
- Trace a raw side problem to the equipment causing it.

The outline

DAY 1

Crushing

Jaw, impact, hammer and roller crushers · Selection by material and reduction ratio · Wear parts and their management

DAY 2

Conveying and storage

Belt, bucket, screw and pneumatic conveying · Stockpiles, stackers and reclaimers · Blockages, spillage and dust

DAY 3

Raw grinding

Vertical roller mills and ball mills on raw duty · Drying within the mill · Classifier operation

DAY 4

Homogenisation

Blending silo types · Blending efficiency and its measurement · Extraction and feed to the kiln

DAY 5

Across the section

Dust collection and ventilation · Weighing and feeding equipment · Interlocks and sequencing

What you leave with

- An equipment register for the raw side with functions and limits.
- A failure mode list per machine.
- An operator watch list.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Durban, South Africa	**R15,000**
30 November 2026 to 4 December 2026	Nicosia, Cyprus	**US$1,500**
7 to 11 December 2026	Accra, Ghana	**US$1,500**
14 to 18 December 2026	Kampala, Uganda	**US$1,500**

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

Register or ask a question

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This copy was produced on 30 October 2026.