



Cement Production and Quality Control

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

Running a quality system across a cement plant, from sampling point to certificate.

Cement quality is decided at a dozen points between quarry and silo, and most quality problems are traced to the sampling rather than to the testing. This week builds the control system: where to sample and how often, laboratory methods and their precision, control charts that distinguish drift from noise, and the release process behind a certificate. Standards conformity and customer complaint handling close the week.

Available as classroom, live online, in house.

Who it is for

Quality managers and laboratory supervisors, process engineers, production superintendents, and technical staff handling customer complaints.

What you will be able to do

- Design a sampling plan that represents what is being made.
- Apply laboratory methods with known precision.
- Use control charts to separate real drift from variation.
- Run a release process a certificate can rest on.
- Investigate a complaint back to its cause.

The outline

DAY 1

Sampling

Sampling points through the process · Frequency, compositing and representivity · Sample handling and the errors it introduces

DAY 2

The laboratory

Chemical and physical methods · Calibration, repeatability and reproducibility · Proficiency testing

DAY 3

Control

Control charts and limits that mean something · Process capability · Reacting to a trend rather than a point

DAY 4

Conformity

Standard requirements and conformity criteria · Statistical conformity over time · Certification and documentation

DAY 5

Complaints

Receiving and triaging a complaint · Retained samples and traceability · Root cause and corrective action

What you leave with

- A sampling plan for one plant.
- Control charts set up with meaningful limits.
- A complaint investigation procedure.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Dar es Salaam, Tanzania	US\$1,500
30 November 2026 to 4 December 2026	Kampala, Uganda	US\$1,500
7 to 11 December 2026	Lagos, Nigeria	US\$1,500
14 to 18 December 2026	Accra, Ghana	US\$1,500

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

Register or ask a question

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