



Energy Efficiency Saving in Cement Industry

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

R15,000

Finding and capturing energy savings in a cement plant, thermal and electrical, with the numbers to prove them.

Energy is the largest controllable cost in cement and most plants know roughly where it goes without knowing precisely. This week starts with measurement: an energy balance that closes, benchmarking against comparable plants, and a loss register ranked by recoverable value. It then works through the measures, from combustion and false air through to waste heat recovery and drive efficiency, with capital and realistic savings attached. Monitoring and targeting closes it, because savings decay without it.

Available as classroom, live online, in house.

Who it is for

Energy managers, process and plant engineers, production and maintenance managers, and finance staff assessing energy investment.

What you will be able to do

- Build thermal and electrical energy balances that close.
- Benchmark consumption and set realistic targets.
- Rank measures by cost and recoverable saving.
- Evaluate waste heat recovery honestly.
- Install monitoring and targeting that holds the saving.

The outline

DAY 1

Measurement

Thermal energy balance · Electrical consumption by section · Data quality and metering gaps

DAY 2

Thermal measures

Combustion efficiency and burner setting · False air elimination · Cooler efficiency and recuperation · Insulation and radiation loss

DAY 3

Electrical measures

Fan and drive efficiency · Grinding specific energy · Compressed air and auxiliaries

DAY 4

Recovery and substitution

Waste heat recovery power generation · Alternative fuels as an energy strategy · Renewable supply options

DAY 5

Holding the gain

Monitoring and targeting · Operator influence on consumption · Reporting and accountability

What you leave with

- Energy balances for one plant.
- A ranked measures register with payback.
- A monitoring and targeting scheme.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Durban, South Africa	R15,000
30 November 2026 to 4 December 2026	Dubai, United Arab Emirates	US\$1,500
7 to 11 December 2026	Cairo, Egypt	US\$1,500
14 to 18 December 2026	Nairobi, Kenya	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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