



Gas Flows in the Cementing Industry: Part (2)

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

Part two: gas handling as a system under load, including dedusting, emissions and troubleshooting.

Part one establishes the circuit and its measurement. Part two uses it. This week covers gas conditioning and dedusting equipment and what limits each, emissions control and monitoring, the interaction between kiln and mill operation through a shared gas circuit, and troubleshooting: high draught loss, poor cooler performance, filter problems and the gas related causes of kiln instability. Energy optimisation of the gas circuit closes the week, since it is usually where unrecovered savings sit.

Available as classroom, live online, in house.

Who it is for

Process engineers, environmental and emissions staff, maintenance engineers responsible for filters and fans, and production superintendents.

What you will be able to do

- Specify and assess gas conditioning and dedusting equipment.
- Operate the gas circuit through kiln and mill interactions.
- Monitor and control emissions from the gas stream.
- Troubleshoot draught, cooler and filter problems.
- Find and capture energy savings in the gas circuit.

The outline

DAY 1

Conditioning and dedusting

Conditioning towers and evaporative cooling · Bag filters and electrostatic precipitators · Sizing, limits and failure modes

DAY 2

Emissions

Dust, nitrogen oxides, sulphur dioxide and trace emissions · Abatement techniques · Continuous monitoring and reporting

DAY 3

Interactions

Kiln and raw mill on one gas circuit · Mill on and mill off operation · Bypass operation and its consequences

DAY 4

Troubleshooting

High draught loss and its causes · Cooler gas problems · Filter blinding, leaks and emission excursions

DAY 5

Optimisation

Fan energy reduction · Sealing programmes and their payback · Duct and cyclone modification

What you leave with

- A dedusting system assessment.
- A kiln and mill gas interaction analysis.
- A troubleshooting guide for gas related problems.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Dubai, United Arab Emirates	US\$1,500
30 November 2026 to 4 December 2026	Nicosia, Cyprus	US\$1,500
7 to 11 December 2026	Dar es Salaam, Tanzania	US\$1,500
14 to 18 December 2026	Cairo, Egypt	US\$1,500

Fees are per delegate and cover all course materials and meals arranged by the delegate. Registration is required.

Register or ask a question

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