GATI

MINING ENGINEERING

Mining and Climate Change: Sustainable Solutions

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

Decarbonising a mine, and building one that still works in a changed climate.

Mining faces climate change from two sides: emissions to cut, and assets exposed to physical risk. This week covers both. Emissions inventory and abatement across diesel haulage, electricity and process sources, with honest treatment of where the technology is proven and where it is not. Then physical risk, which is the side more often ignored: heat, water availability, storm intensity, and what each does to a pit, a tailings facility and a workforce.

Available as classroom, live online, in house.

Who it is for

Sustainability and environmental managers, energy and asset managers, planners and engineers, and corporate reporting staff.

What you will be able to do

- Build an emissions inventory across scopes one, two and three.
- Evaluate abatement options on cost and maturity, not announcement.
- Assess physical climate risk to assets and operations.
- Build adaptation into design and planning decisions.
- Report against a recognised framework without overstating.

The outline

DAY 1

The inventory

Scopes, boundaries, and what gets left out · Diesel, electricity and fugitive sources · Data quality and verification

DAY 2

Abatement

Energy efficiency and the easy wins · Renewables and firming · Fleet electrification and hydrogen, and their current limits · Offsets, and the argument about them

DAY 3

Physical risk

Heat, water scarcity and extreme rainfall · Tailings and waste facilities under changed conditions · Supply chain and logistics exposure

DAY 4

Adaptation

Design standards under a changing baseline · Operational responses and thresholds · Workforce heat management

DAY 5

Reporting

Frameworks and disclosure expectations · Targets that can be met · Avoiding claims that will not survive scrutiny

What you leave with

- An emissions inventory for one operation.
- A marginal abatement cost comparison.
- A physical risk assessment with adaptation actions.

Published dates

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

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

Register or ask a question

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