GATI

MINING ENGINEERING

MINING & MINERALS EXPLORATION TECHNOLOGY (Introduction to the Minerals Industry)

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

Orientation to the minerals industry: the commodities, the companies, the value chain and the terms.

This is the entry point of the exploration technology series and assumes nothing. It covers which minerals matter and why, how a deposit becomes a mine and a mine becomes a product, and who the participants are, from juniors through majors to traders and smelters. Terminology is built deliberately, since the rest of the series depends on it, and the commodity cycle is explained because everything in this industry is eventually explained by it.

Available as classroom, live online, in house.

Who it is for

Entrants to the minerals sector, support and corporate staff at exploration and mining companies, and professionals moving across from other industries.

What you will be able to do

- Name the main commodity groups and what drives demand for each.
- Follow the value chain from discovery to a sold product.
- Distinguish the participants, and what each actually does.
- Use the industry's core terminology correctly.
- Explain the commodity cycle and its effect on decisions.

The outline

DAY 1

Minerals and metals

Base, precious, bulk, energy and industrial minerals · Demand drivers by commodity · Critical minerals, and why the list keeps changing

DAY 2

The chain

Exploration, development, production and closure · Concentrate, smelting and refining · Transport, trading and the route to market

DAY 3

The participants

Juniors, mid tiers and majors · Contractors, consultants and service providers · Traders, smelters and end users

DAY 4

Money

How exploration is funded · Markets, pricing and benchmarks · The cycle, and its effect on employment

DAY 5

Context

Regulation and tenure in outline · Environment and community expectations · Where the industry is heading

What you leave with

- A value chain map for one commodity.
- A working glossary.
- A short briefing on a commodity of your choice.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Nairobi, Kenya	**US$1,500**
30 November 2026 to 4 December 2026	Accra, Ghana	**US$1,500**
7 to 11 December 2026	Windhoek, Namibia	**R15,000**
14 to 18 December 2026	Maseru, Lesotho	**R15,000**

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

Register or ask a question

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