

Your Minerals Matter

and how we get them matters most.



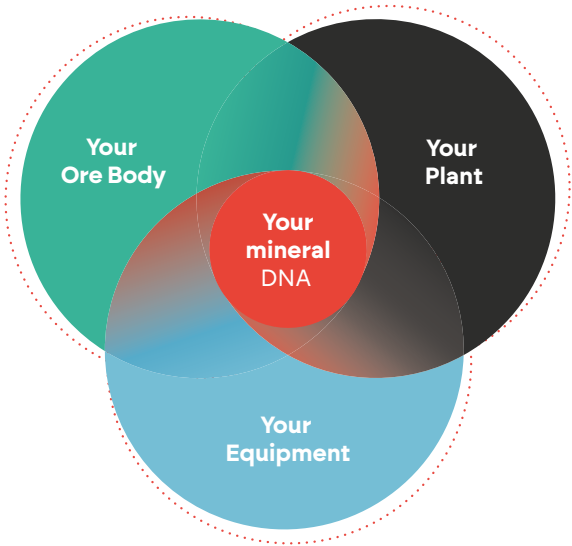
We start with the mineral

Not the equipment.

Every ore body carries its own Mineral DNA: a unique set of characteristics that determine how minerals move, separate and recover through a plant.

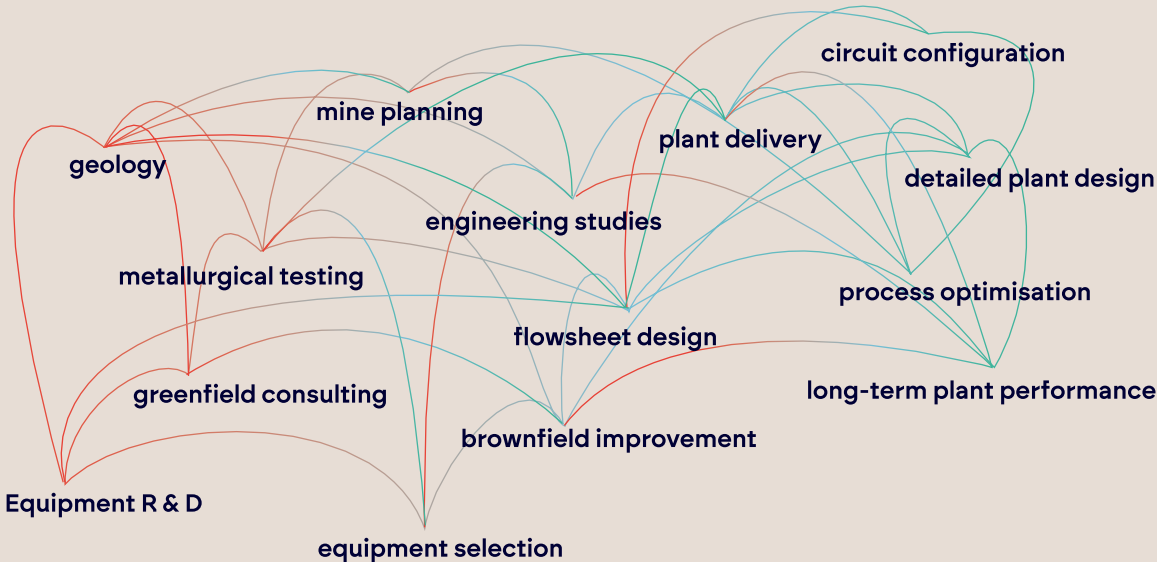
Understanding that behaviour is what guides us. It shapes how we test, engineer, design and optimise every solution we deliver.

It's how we help you recover more value, with greater confidence and control.

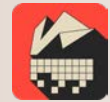


Every mineral deposit has its own DNA.							
Fact: No two ore bodies behave exactly the same. That's why standardised solutions rarely deliver optimal recovery. We begin by understanding the unique Mineral DNA of your resource. Every decision downstream depends on it.						Do you know the DNA of your mineral? If not, we'll help you uncover it, and uncode how to help you get more good stuff in your stock pile.	
CHEMICAL COMPOSITION	DENSITY	CONTAMINANTS	GEOLOGY	ORE BODY SIZE	LIBERATION	VARIABILITY	SLIMES
DEPTH	PARTICLE SIZE	MINERAL ASSEMBLAGE	COARSENESS	MOISTURE	FEED CONSISTENCY	AND MUCH MORE...	

mineralDNA™ is the connective tissue between everything you need.



How we get them matters most



Geology & Mine Planning
By combining field-proven geology with processing and geometallurgy expertise, we help you see what's valuable, where it sits, and how to unlock it – early. You'll get investor-ready confidence in every block of your model.



Metallurgical Testing Services
We offer a full suite of metallurgical test work services designed to support every stage of your project lifecycle



Flowsheet Design
Using fine mineral systems knowledge that reach far beyond metallurgy—it is process architecture at its finest and is always unique to your mineral.



Engineering Studies
Our Engineering Studies are built to get you to FID faster — with the technical rigour to back the decision.

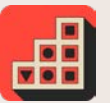
We build great plants from day one
Global experts under one roof, collaborating together from the ore body discovery to plant delivery, maximising your fine mineral recovery.



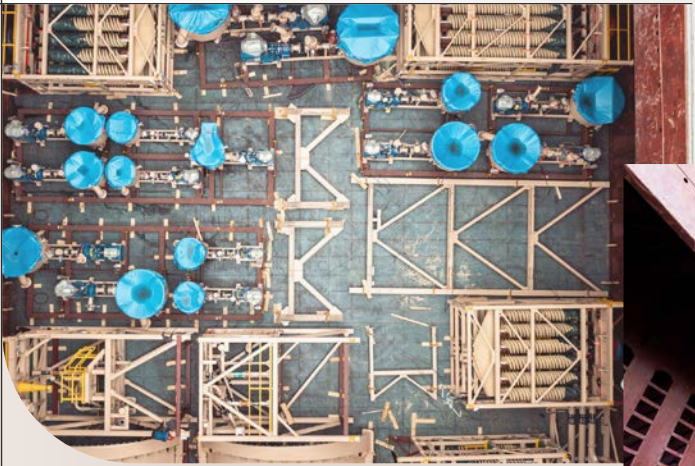
Detailed Plant Design
Instead of squeezing everything into identical containers, we design large, shippable blocks sized to make the best trade-off between transport cost, constructability and risk.



Modular Plants
Purpose-built to maximise recovery while reducing project complexity, construction time, and site risk.
→ **mtSpiral Plants** → **mtFlex Series**
→ **mtDMS Plants**



Plant Delivery
Turnkey modular plants that behave the way the studies promised.



mtOne
Turn on Your Digital Dashboard
Driven by real-time data, without the delay - track, tune, and optimise the bottom line of your plant.



- Gravity Separation**
- mtSpirals
 - mtTables
 - mtSpiralOne
 - mtKnudsen



- Magnetic Separation**
- mtWHIMS
 - mtRED
 - mtRER
 - mtIRM
 - mtLIM



- Electrostatic Separation**
- mtHTR
 - mtEPS



- Classifiers**
- mtLyonsUnit
 - mtUCC
 - mtTBS
 - mtCyclones



- Mobile Mining**
- mtMMU



- Spare Parts**
- mtParts



With you, across every phase of your project

From your first idea to a plant running at full potential, here's how we get you there.

Pre-FID

Post-FID

1

Study Phase

Prove your project is real — build the case for funding and approval, and reach FID without a bloated burn rate.

2

Design Phase

Engineered as a smart modular system, so every risk is designed out before construction ever begins.

3

Delivery Phase

Modules pre-built off-site, assembled on yours – on time, on quality, no matter how remote.

4

Operational Phase

Optimise what you've got and explore what's next — with audits, upgrades, and skilled people, backed by real-time insight from mtOne.

MT Locations

Contact us:

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mineraltechnologies.com

- Gold Coast, Australia
- Perth, Australia
- Adelaide, Australia
- Richards Bay, South Africa
- Pretoria, South Africa
- St. Augustine, USA
- Montreal, Canada
- Cochin, India
- Belo Horizonte, Brazil

- Office
- + Testing Facilities



Trusted by our clients and partners:

