



Brasnova
Energy Materials (BEM)

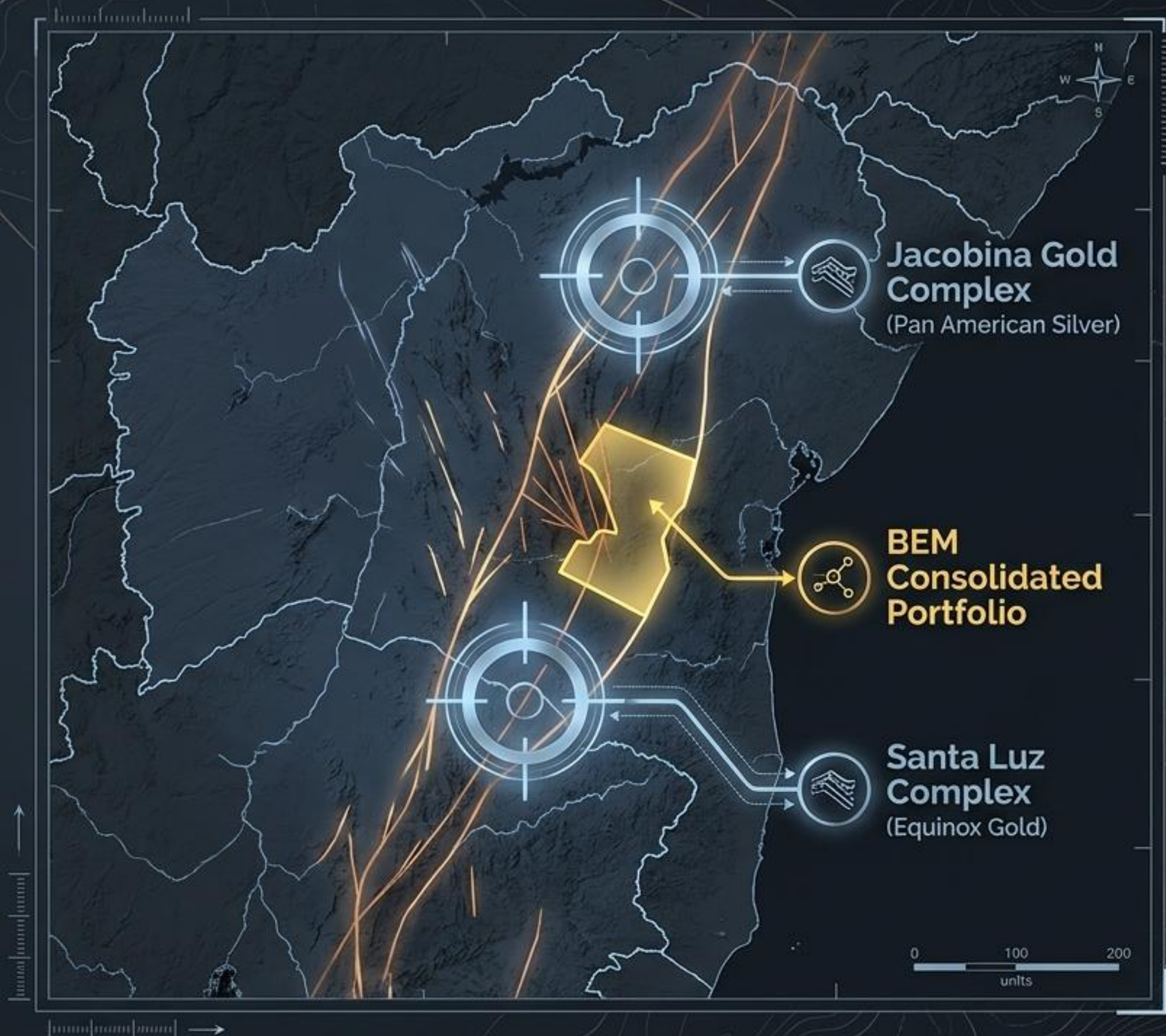
Securing a District-Scale Footprint in the Bahia Gold Belt

**Strategic Consolidation, High-Grade Surface Assays,
and the Advance of the Capela Project**

TSXV: BEM | Strategic Update

Situated in a Tier-1 Geological Neighbourhood

BEM's portfolio commands a highly prospective structural position within the **proven Bahia Gold Belt**, surrounded by major, active gold mining operations.



Consolidating a District-Scale Portfolio

Footprint Map



5 Core Gold Projects



9 Consolidated Claims



17,457.20
Total Hectares

Through strategic acquisition, Brasnova has assembled a **contiguous, multi-project footprint** that provides the runway required for a major, **district-scale discovery**.

The Capela Target: A Structurally Controlled Hydrothermal Engine

Structural Setup

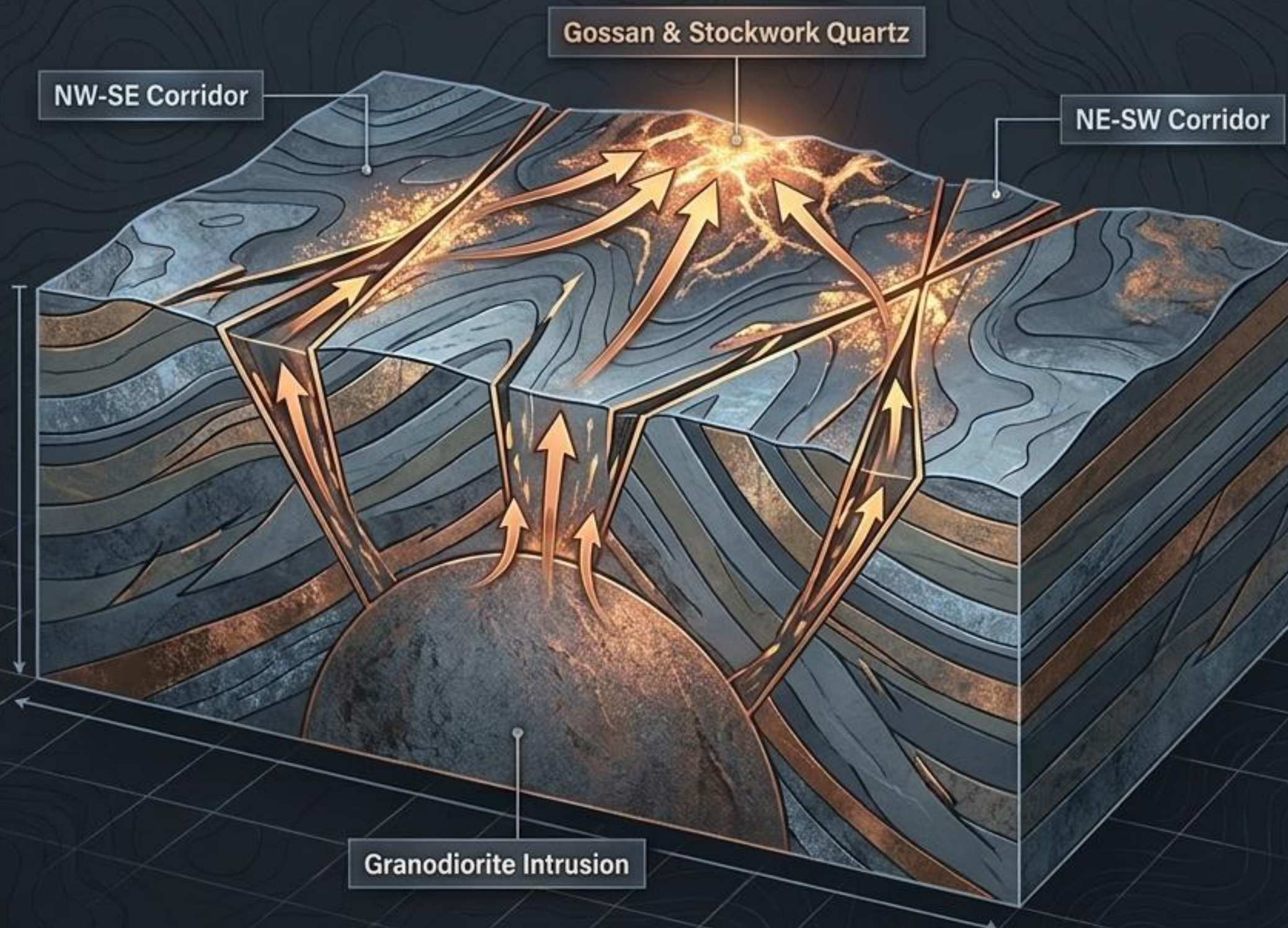
Dome-shaped granodiorite intrusion intersecting regional metavolcanic-metasedimentary rocks.

Fluid Pathways

Ductile-brittle shear zones act as high-pressure conduits.

Surface Expression

Extensive potassic alteration, silicification, and sulphide-bearing gossan zones mapping directly to structural traps.



Proven High-Grade Surface Mineralization

Peak Assay: 4.13 g/t Au
(BGP-ROCK-002)

Mineralization Heat Map

1.734 g/t Au
(BGP-ROCK-006)

Assay Metrics

22 of 23 initial rock chip samples returned gold values **> 0.241 g/t Au** within the metagranodiorite.

1.734 g/t Au
(BGP-ROCK-006)

1.435 g/t Au
(BGP-ROCK-014)

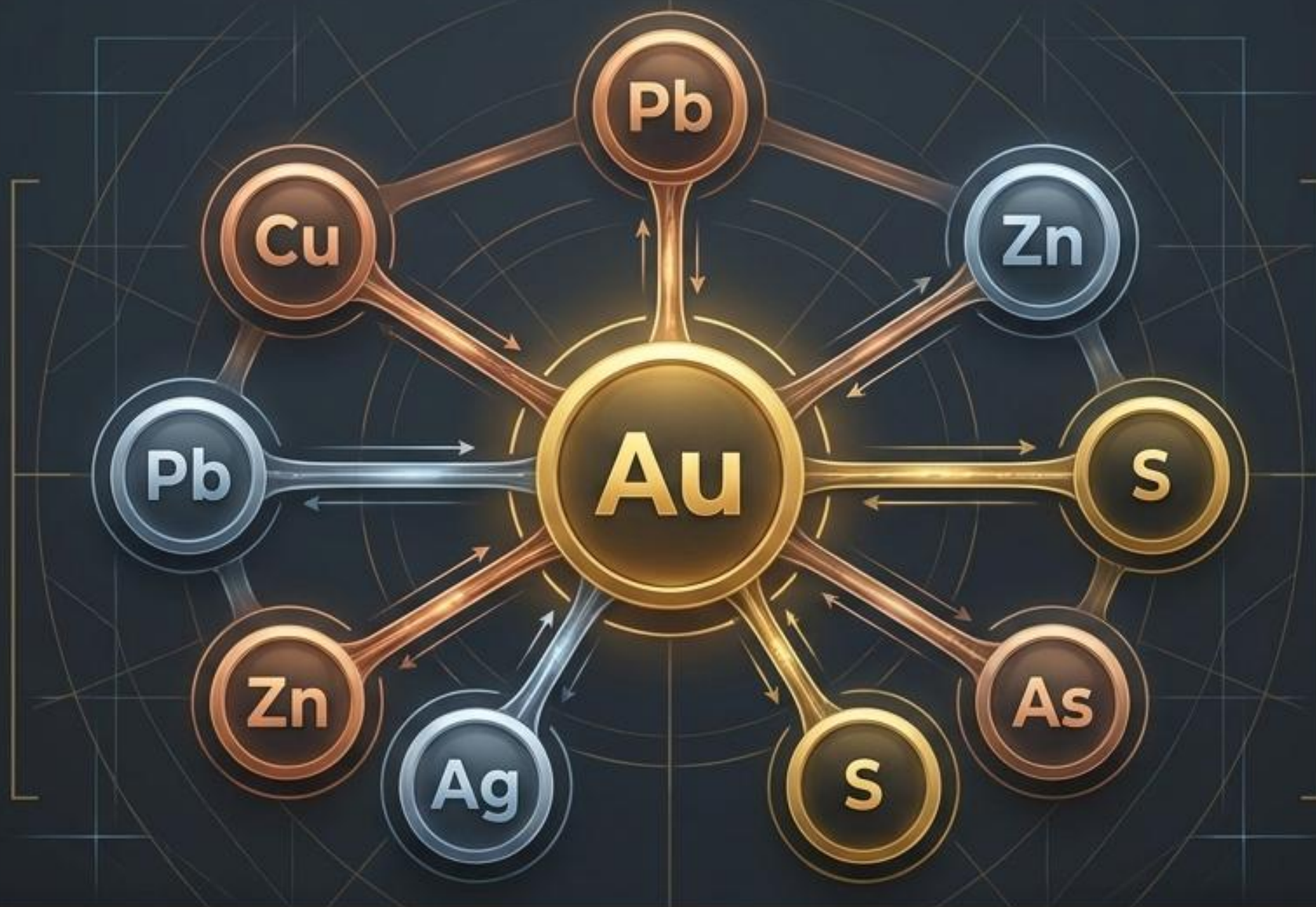
1.170 g/t Au
(BGP-ROCK-022)

Insight: High-grade gold is inextricably linked to intensely oxidized metagranodioritic rocks featuring potassic alteration and stockwork quartz.

A Complex, Multi-Element Hydrothermal System

Core Finding:

Multi-element analysis confirms a strong spatial association between elevated gold and a broader base-metal and sulphide signature.

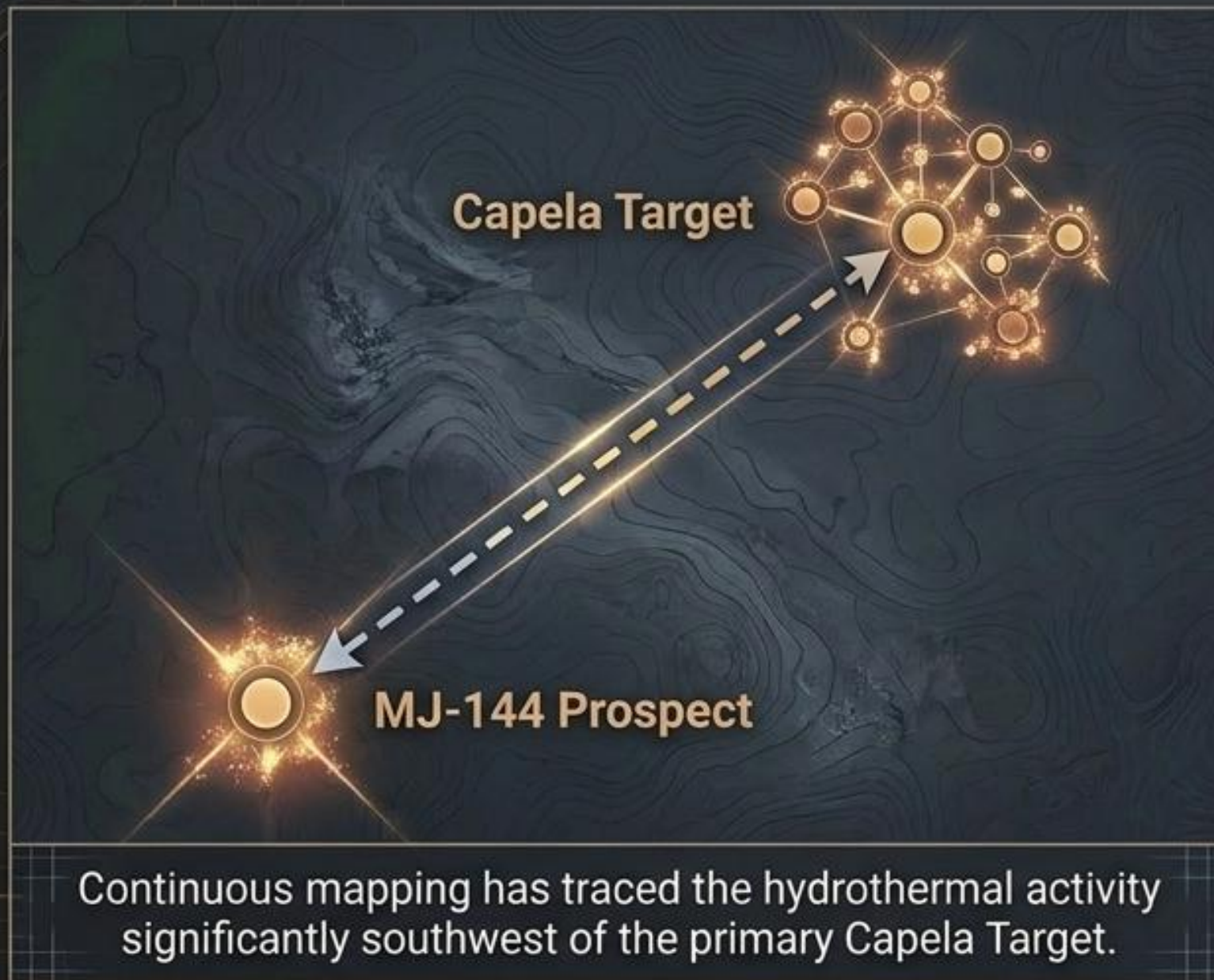


Key Elemental Enrichments:

Copper (Cu), Lead (Pb), Zinc (Zn), Sulphur (S), Arsenic (As), and Silver (Ag).

Synthesis: This complex geochemical footprint is highly characteristic of significant intrusion-related and structurally controlled mineralizing systems, expanding the vectoring tools for future targeting.

Expanding the Strike: The MJ-144 Discovery



Extensive oxidized quartz-vein occurrences.



Visible hematite and boxwork-like cavities (weathered sulphide moulds).



Visual identification of copper sulphide (bornite) in the field.

Takeaway: The discovery of MJ-144 indicates the mineralized system possesses significant lateral continuity and remains open for expansion.

Characterizing a Multi-Faceted District

	Capela Target	MJ-144 Prospect
Host Rock	 Intrusive metagranodiorite along ductile-brittle shear zone.	 Structurally controlled quartz-vein occurrences.
Primary Geochemistry	 Gold-dominant (Peak 4.13 g/t Au) with multi-element sulphide associations.	 Gold-Copper potential (visible bornite field observations).
Alteration & Textures	 Potassic alteration, silicification, and stockwork quartz veinlets .	 Hematite oxidation and distinct boxwork-like weathering textures.

Advancing the Blueprint: Systematic Exploration Underway

Active Program:
Five analytical
batches submitted
to SGS Geosol
(110 Total Samples)



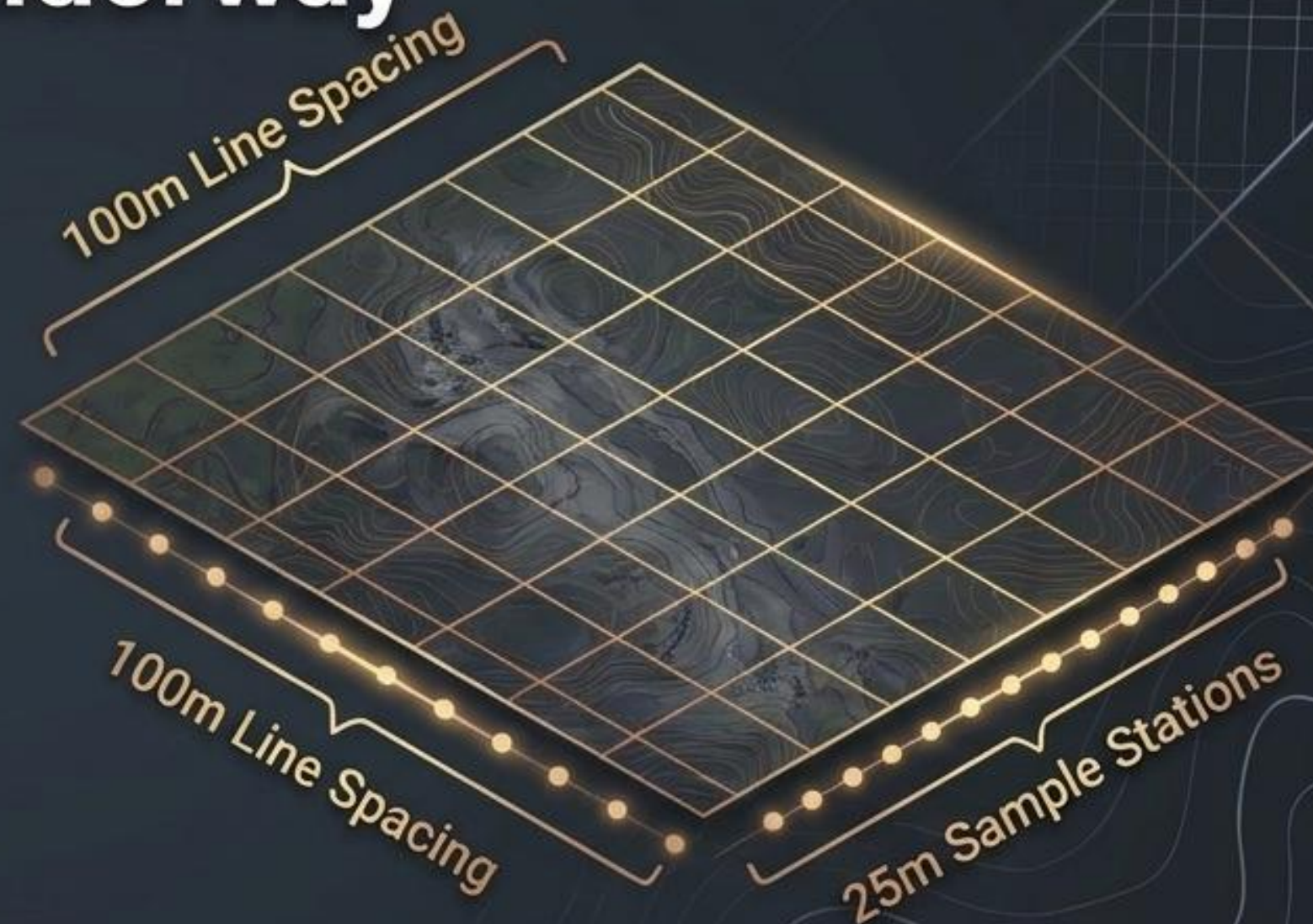
52 Rock Samples
(Targeting known corridors
and new quartz-veins)



44 Soil Samples
(Defining the lateral extent of
the metagranodiorite body)



**14 Active Stream
Sediment Samples**
(Regional vectoring)



Grid Specs: High-resolution systematic soil grid established at 100m line spacing and 25m sample stations to uncover blind targets beneath limited bedrock exposure.

The Modified Option Agreement: A Highly Accretive Transaction



5 Gold
Projects



17,457.20
Hectares



50% Equity
Interest



CA\$1,000,000 Earn-In

Terms Detail:

BEM holds the option to acquire a 50% equity interest in BGC's Brazilian subsidiary.

24-Month Execution Timeline

Capital Efficiency:

The CA\$1,000,000 requirement is spread over 24 months and comprehensively covers previous Capela expenditures, all work expenditures, and holding fees.

The Asymmetric Opportunity

Geological Upside:

- District-scale 17,457.20-hectare portfolio.
- Tier-1 proximity (Jacobina / Santa Luz).
- Proven 4.13 g/t Au surface mineralization.
- Expanding multi-target hydrothermal system (Capela & MJ-144).

Capital Efficiency:

- Highly structured CA\$1,000,000 earn-in over 24 months.
- Expenditures already hard at work in the ground.

Synthesis Insight: BEM has secured district-scale control of a proven, gold-bearing hydrothermal system in a globally recognized belt for a **profoundly cost-effective entry point**, maximizing leverage for shareholders as drilling targets are finalized.