



Market Approach valuations using company enterprise values

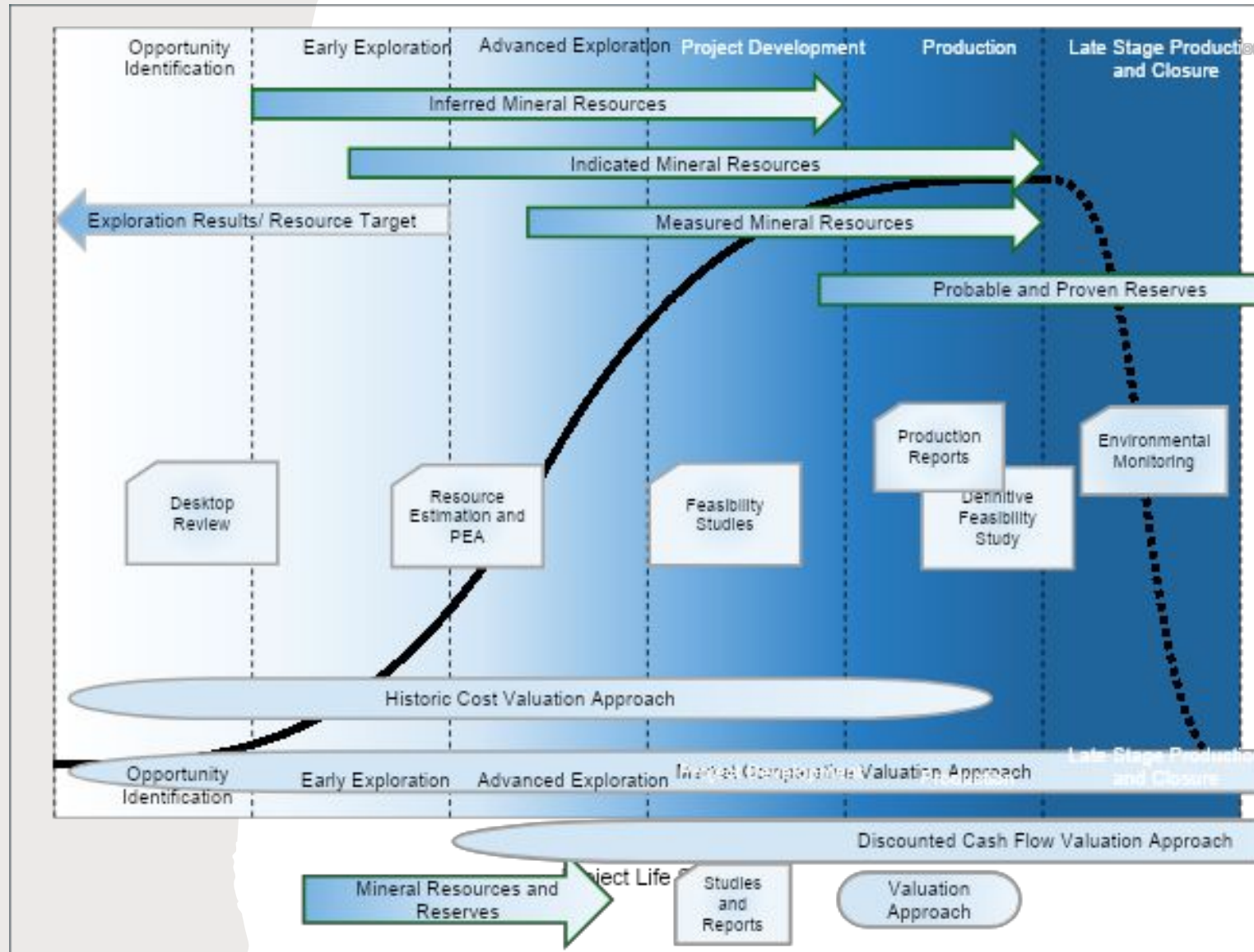
International Mineral Asset Valuation Conference 2025

Introduction

The Market Approach

- “Willing buyer, willing seller” concept common in automotive, real estate and mining industries
- Applicable across all project stages

As a result, very popular and commonly used in mineral asset valuations





Introduction

Market Approach Limitations

- Relies primarily on transactions
 - Low frequency and volume
 - Impacted by commodity cycles
 - Impacted by market volatility and geopolitical factors
 - Impacted by ESG and regulatory shifts



Introduction

Common workarounds (and their pitfalls)

- Increasing the comparable dataset size by using outdated transactions
- Using adjustment factors to make 'old' transactions recent
- Subjectively adjusting a dataset to be more comparable
- Goal-seeking to match cash flow models

Risks: subjectivity, inconsistency, reduced reliability



Introduction

Using enterprise values as supplementary data

Calculated from the share price of listed entities

- Real-time reflection of market sentiment
- Continuous trading = continuous valuation

Core challenge: attributing the value of the listed entity to the underlying mineral assets in its portfolio



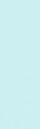
Mineral Valuation Group Approach

Fundamental premise

The value of a mining or minerals company is primarily driven by in-situ Mineral Resources

Potential to profitably extract the in-situ Mineral Resources is primarily driven by:

- Mineral Resource confidence
- Development stage
- Jurisdiction



Mineral Valuation Group Approach

Data gathering

Information sourced from:

- Annual reports and/or annual information forms
- Mineral Resource and Mineral/ Ore Reserve statements
- Financial statements

Project level data collected:

- ownership
- location
- geology
- development stage
- Mineral Resources & Reserves



Mineral Valuation Group Approach

Calculating enterprise value

Using the 6-month average share price, the market cap and enterprise value are calculated as:

- Market cap = share price x shares outstanding
- Enterprise value = Market cap + total debt – (cash + cash equivalents)
- Updated every 6 months
- Historic data maintained





Mineral Valuation Group Approach

Data processing

Dealing with multi commodity companies:

- Data is standardised using the relevant commodity price as a weighting
- The reporting unit is also standardised, essentially creating 'unitless resources'

The contained in-situ Mineral Resources are standardised for all projects contained in the database



Mineral Valuation Group Approach

Core assumptions

To attribute the company's enterprise value to its in-situ Mineral Resources, the following key assumptions are made on in-situ values:

- Value of Measured Resources => Indicated Resources => Inferred Resources
- Value of Production Assets => Pre-Production Assets => Greenfields Assets
- A jurisdiction risk adjustment is made based on project location



Mineral Valuation Group Approach

Value attribution

Enterprise values are assigned to projects within the company based on distributions:

- For each project, a low, mid, and high value are calculated
- Each project then has a simple triangular distribution fitted to these values
- Combining the distribution curves for each project, a distribution curve is generated for each Mineral Resource category

These are compiled into a global dataset, which contains data for each project within each company



Case Study

Resolute Mining acquires Doropo & ABC Gold projects

Buyer: Resolute Mining Inc
Seller: AngloGold Ashanti
Date: 1 May 2025
Projects: Doropo & ABC Projects
Value: USD150m

The transaction includes:

- A 2% royalty over the ABC project,
- USD10m contingent upon the release of a Feasibility Study with >1Moz gold at the ABC Project
- Resolute will also transfer all its exploration permits in Guinea to AngloGold Ashanti



Case Study

Doropo & ABC Gold project summary

Location: Côte d'Ivoire

Development Stage: Exploration

Commodity: Gold



Summary of Doropo & ABC Project Mineral Resources

Resource category	Tonnage (Mt)	Gold grade (g/t)	Contained gold (Moz)
Doropo Gold Project			
Measured	1.5	1.60	0.1
Indicated	75.3	1.25	3.0
Inferred	7.4	1.23	0.3
ABC Gold Project			
Inferred	72.0	0.90	2.2

Source: Resolute Mining Limited, 2025



Case Study

Mineral Valuation Group Gold database

- Enterprise data: 427 gold projects, 71 companies
- Transactions: 28 transactions in the last 3 years

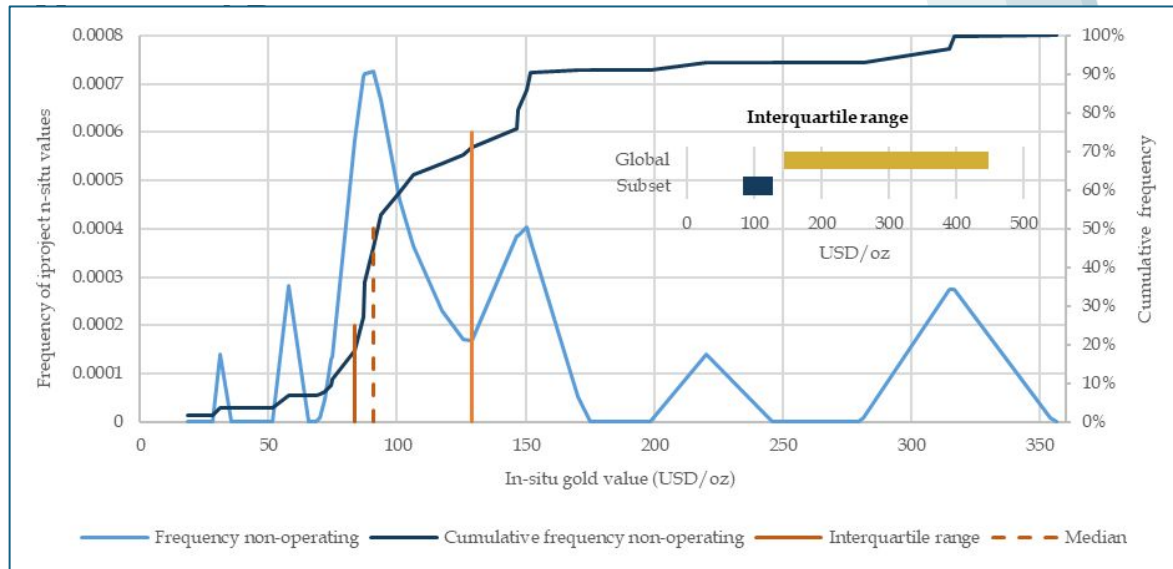
When considering gold-only, non-operating projects in Africa:

- Enterprise data: 33 projects
- Transactions: 3 transactions



Case Study

In-situ gold resource value distribution:



Valuation using enterprise values

Based on the 33 comparable projects in the database, a distribution curve is generated for each Mineral Resource category

The distribution graphs graphically illustrate the in-situ values for each resource category

Compared to similar projects in the database, the Doropo and ABC gold projects are likely to fall in the interquartile range of the dataset (i.e. the 25th to 75th percentile of values)

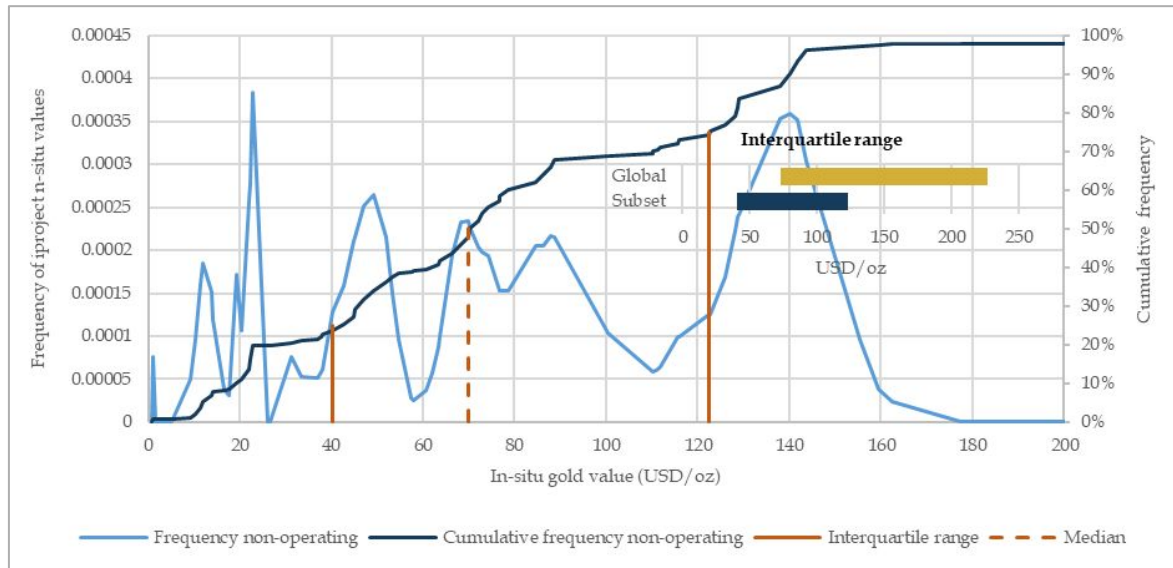


Case Study

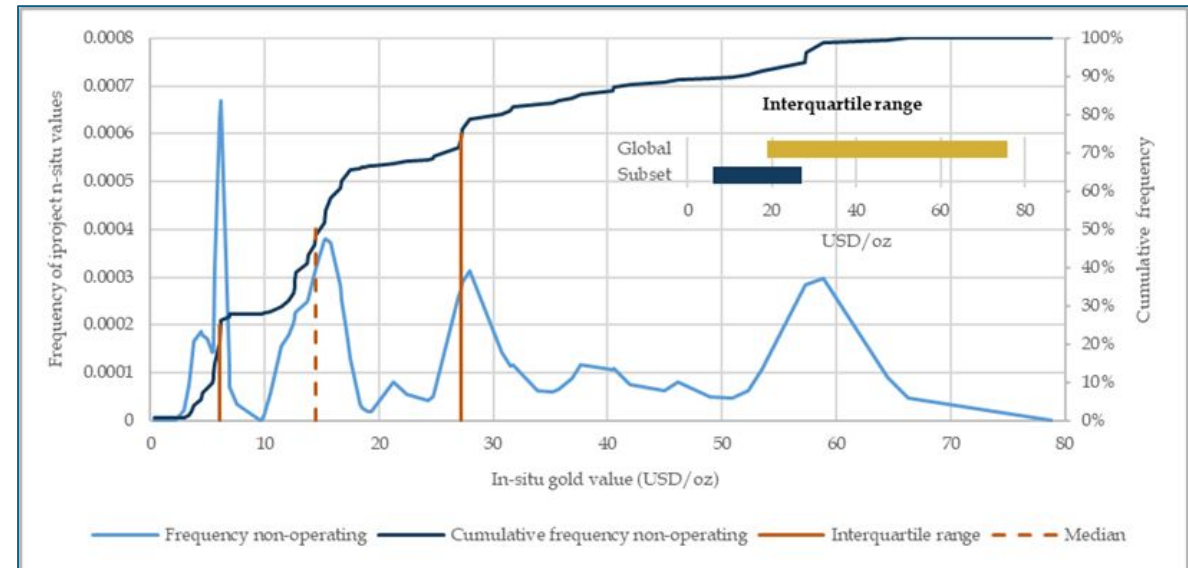
Valuation Using Enterprise Values

The in-situ values in USD/oz are shown on the x-axis and the frequency distribution of project in-situ values on the y-axis. On these graphs, larger y-values point to a higher concentration of projects at a specific in-situ value

In-situ gold resource value distribution



In-situ gold resource value distribution



The inset shows the interquartile range of the global dataset in comparison to the subset of data



Case Study

Valuation Using Enterprise Values: Results

The resultant value range is USD144m–448m for the Doropo and ABC gold projects

Doropo and ABC gold project evaluation results based on enterprise

values	Attributable gold (Moz)	In-situ resource value		Project Value	
		Low (USD/oz)	High (USD/oz)	Low (USDm)	High (USDm)
Doropo project					
Measured	0.1	83.32	129.01	6.67	10.32
Indicated	3.0	40.30	122.56	122.11	371.36
Inferred	0.3	6.04	27.15	1.81	8.15
Subtotal	3.4	38.30	114.32	130.59	389.82
ABC project					
Inferred	2.2	6.04	27.15	13.05	58.64
Subtotal	2.2	6.04	27.15	13.05	58.64
Total/ Weighted Ave	5.6	25.79	80.51	143.63	448.47



Case Study

Valuation Using Transaction Data

The 3 comparable transactions are outlined in the table below.

The transactions form the value range

Summary of relevant gold transactions between 2023-

Seller	Buyer	Transaction date	Key assets acquired	Dev stage	Jurisdiction	USD/Resource oz
Bilboes Gold Limited ¹	Caledonia Mining Corp	Q1 2023	Bilboes	Pre-production	Zimbabwe	20.94
Shanta Resources ²	Saturn Resources	Q2 2024	New Luika	Production	Tanzania	56.43
			Singida	Pre-production	Tanzania	
			West Kenya	Brownfields	Kenya	
IAMGOLD Corp ³	Managem	Q3 2024	Botog	Pre-production	Senegal	87.49

Source: 1 (Caledonia Mining Corporation Plc, 2023), 2 (Creamer Media's Mining Weekly, 2024), 3 Mining Technology, 2023)



Case Study

Valuation Using Transaction Data: Results

The resultant value range is USD117m–487m for the Doropo and ABC projects

Doropo and ABC project evaluation results based on transaction

data	Attributable gold (Moz)	In-situ resource value		Project Value	
		Low (USD/oz)	High (USD/oz)	Low (USDm)	High (USDm)
Doropo project					
Measured	0.1	20.94	87.49	1.68	7.00
Indicated	3.0	20.94	87.49	63.45	265.09
Inferred	0.3	20.94	87.49	6.28	26.25
Subtotal	3.4	20.94	87.49	71.41	298.34
ABC project					
Inferred	2.2	20.94	87.49	45.23	188.98
Subtotal	2.2	20.94	87.49	45.23	188.98
Total/ Weighted Ave	5.6	20.94	87.49	116.64	487.32



Case Study

Comparison of the results

The transaction value of USD150m falls within both the enterprise value evaluation (USD144m–448m), and the transaction data evaluation (USD117m–487m) value ranges

Comparison of evaluation

results	Attributable gold (Moz)	Enterprise Values		Transaction Data	
		Low (USDm)	High (USDm)	Low (USDm)	High (USDm)
Doropo project					
Measured	0.1	6.67	10.32	1.68	7.00
Indicated	3.0	122.11	371.36	63.45	265.09
Inferred	0.3	1.81	8.15	6.28	26.25
Subtotal	3.4	130.59	389.82	71.41	298.34
ABC project					
Inferred	2.2	13.05	58.64	45.23	188.98
Subtotal	2.2	13.05	58.64	45.23	188.98
Total/ Weighted Ave	5.6	143.63	448.47	116.64	487.32



Discussion

Additional Considerations

- The two sets of data can be used in conjunction with each other
- Additional factors can be used to narrow down the in-situ value ranges

The valuator still needs to apply their minds to the data and the results



Discussion



There is no silver bullet:

- Each method has benefits and shortcomings
- The results won't always overlap so neatly- more detailed analysis can be completed
- Especially useful for commodities with sparse transaction data
- Additional data removes the need to subjectively adjust data when transaction data alone is insufficient or not directly comparable

Enterprise values can enhance confidence in valuation results based on transaction data

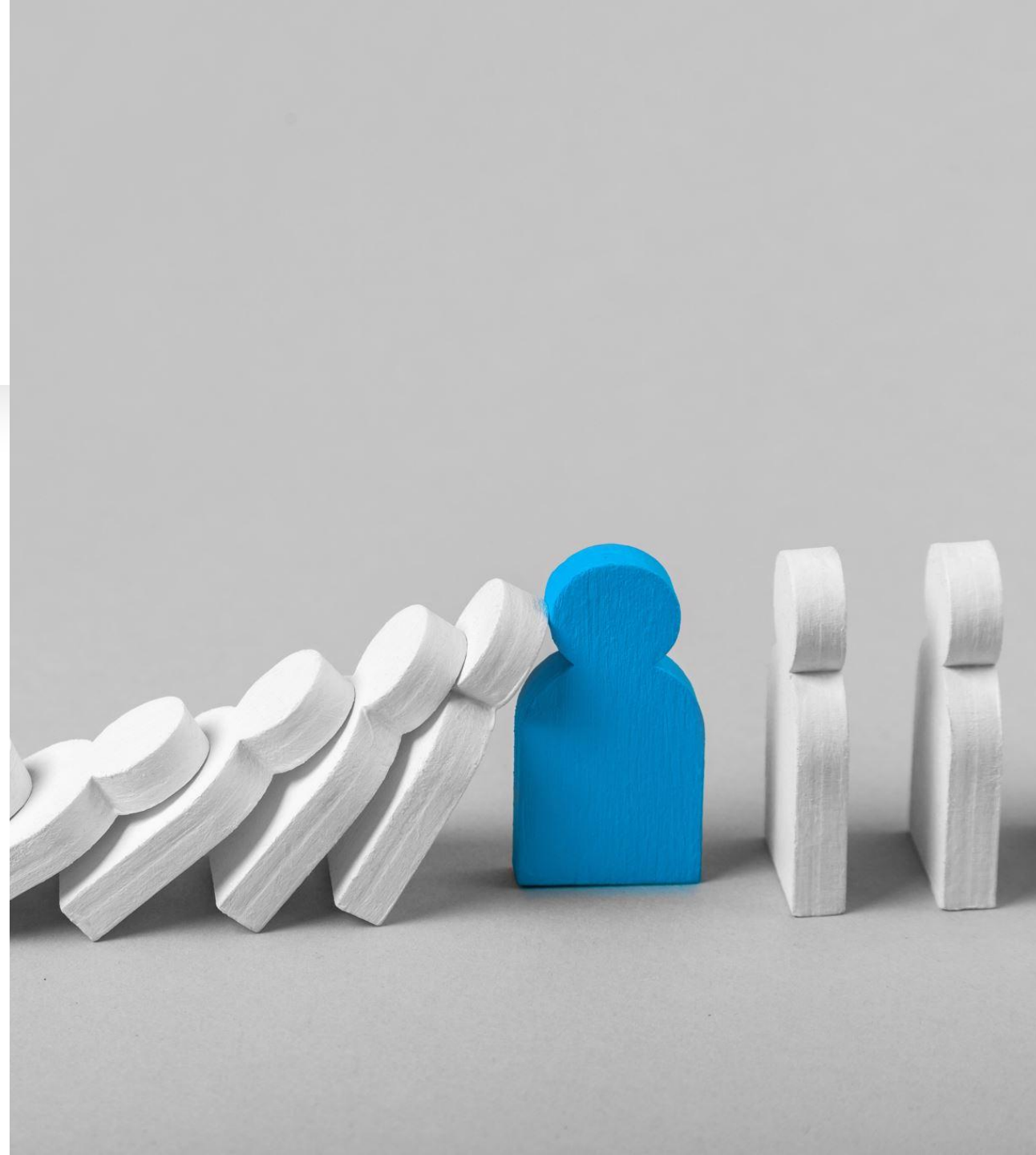


Conclusions

Implications

- Improved investment screening
- Strategic decision support
- Can meet reporting code & stock exchange requirements

Empowers clients to make informed, timely decisions





Gold Industry In-Situ Valuation Report

May 2025

Thank you

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