

Unlocking Geological Insights with AI-Powered Modeling

A GAME-CHANGING SOLUTION FOR COMPLEX PORPHYRY DEPOSITS

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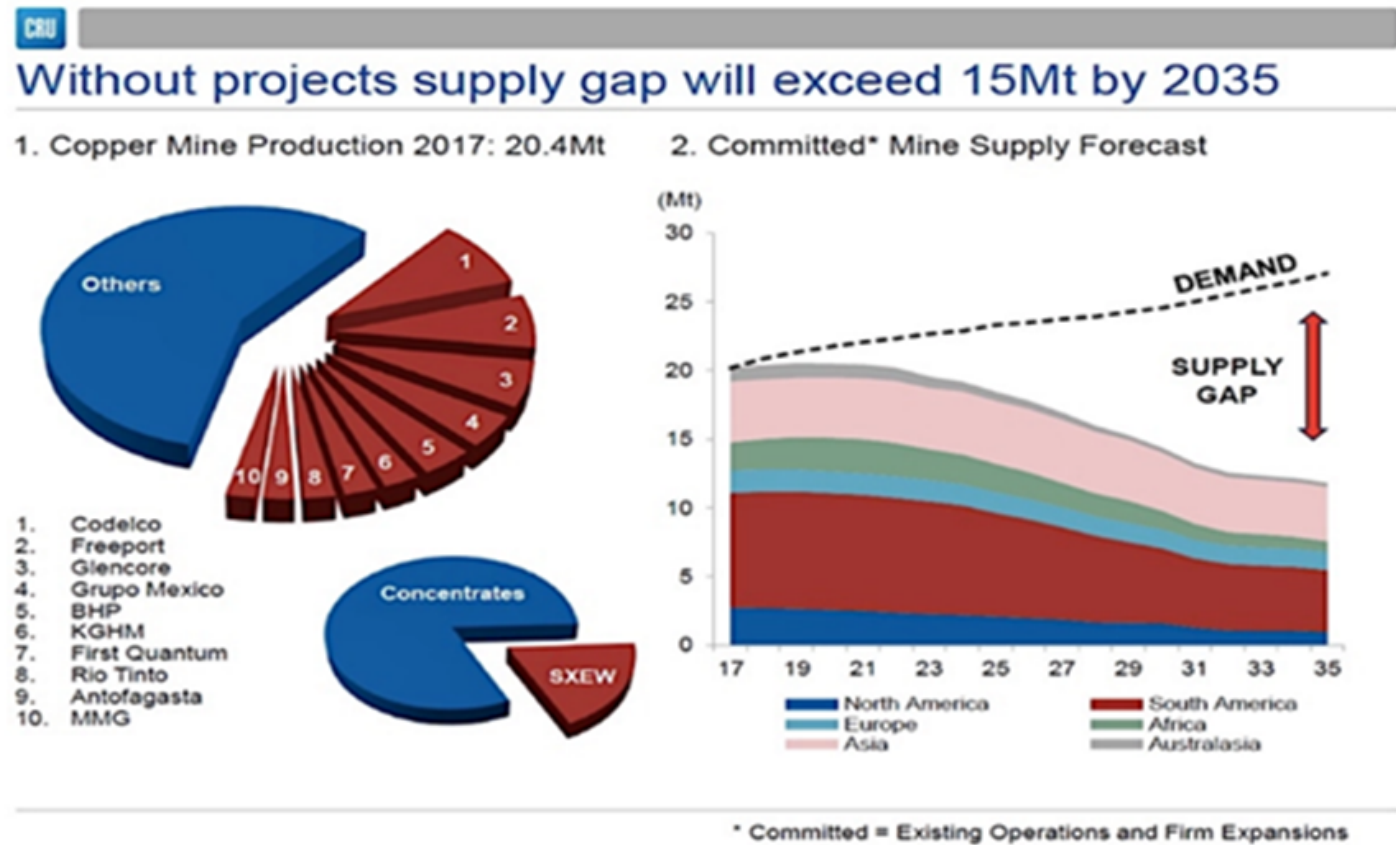


Approach

- Problem ————— 03
- Solution ————— 04
- Market ————— 06
- Competition ————— 07
- Pricing ————— 08
- Go-to-market ————— 09
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Problem

- Manual geological modeling is time-consuming, limiting our insights
- Expert knowledge is rare and expensive
- Resources are increasingly scarce and more difficult to mine
- Growing demand for metals, driven by environmentally conscious industries



Solution

Hypotheses

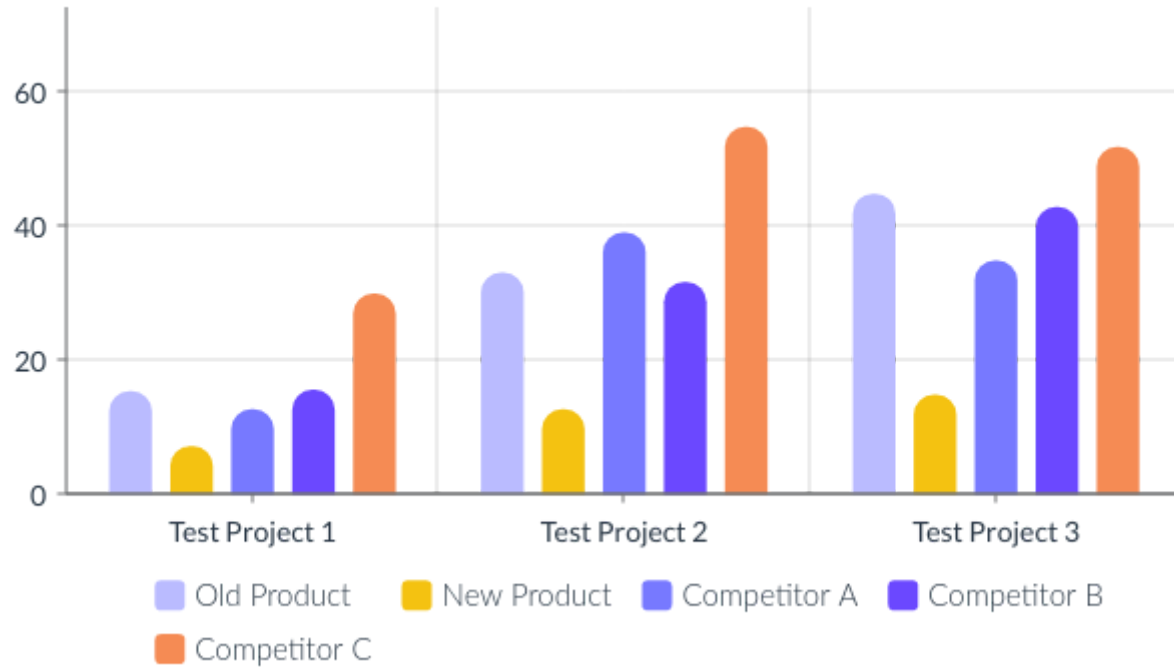
- Eliminate the need for hardware upgrade
- Accelerate geological modeling
- Reduce modeling time by 50%
- Improve accuracy by 15%

Additional Earned Value if the Product was used at [REDACTED]

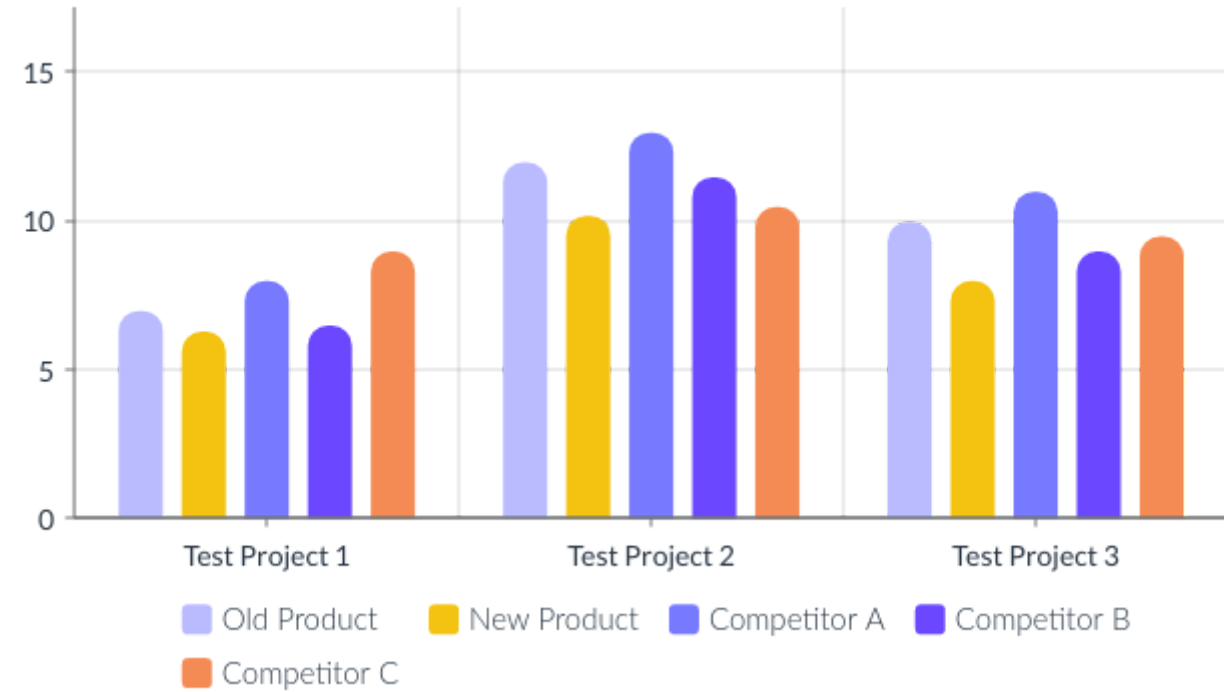
	Actual	5%	10%	15%
Total Tonnes (Mil)	541.0			
Total Cu lbs (Mil)	4,651.7	4,884.3	5,116.9	5,349.5
Total Au oz (Mil)	2.1	2.2	2.3	2.4
Total Ag oz (Mil)	28.5	29.9	31.4	32.8
Total Mo lbs (Mil)	196.2	206.0	215.8	225.6
Cu price (\$/lb)	3.67	3.67	3.67	3.67
Au price (\$/oz)	1,984.6	1,984.6	1,984.6	1,984.6
Ag price (\$/oz)	23.1	23.1	23.1	23.1
Mo price (\$/lb)	25.2	25.2	25.2	25.2
Total Profit (Mil) excl Mining Cost	26,829.3	28,170.7	29,512.2	30,853.6
Difference (Mil)		\$ 1,341.46	\$ 2,682.93	\$ 4,024.39

Solution Testing

Modeling Time for a Single Run (minutes)



Percent Difference in Accuracy (compared to actual data)



Fictitious data was used for solution testing scenario

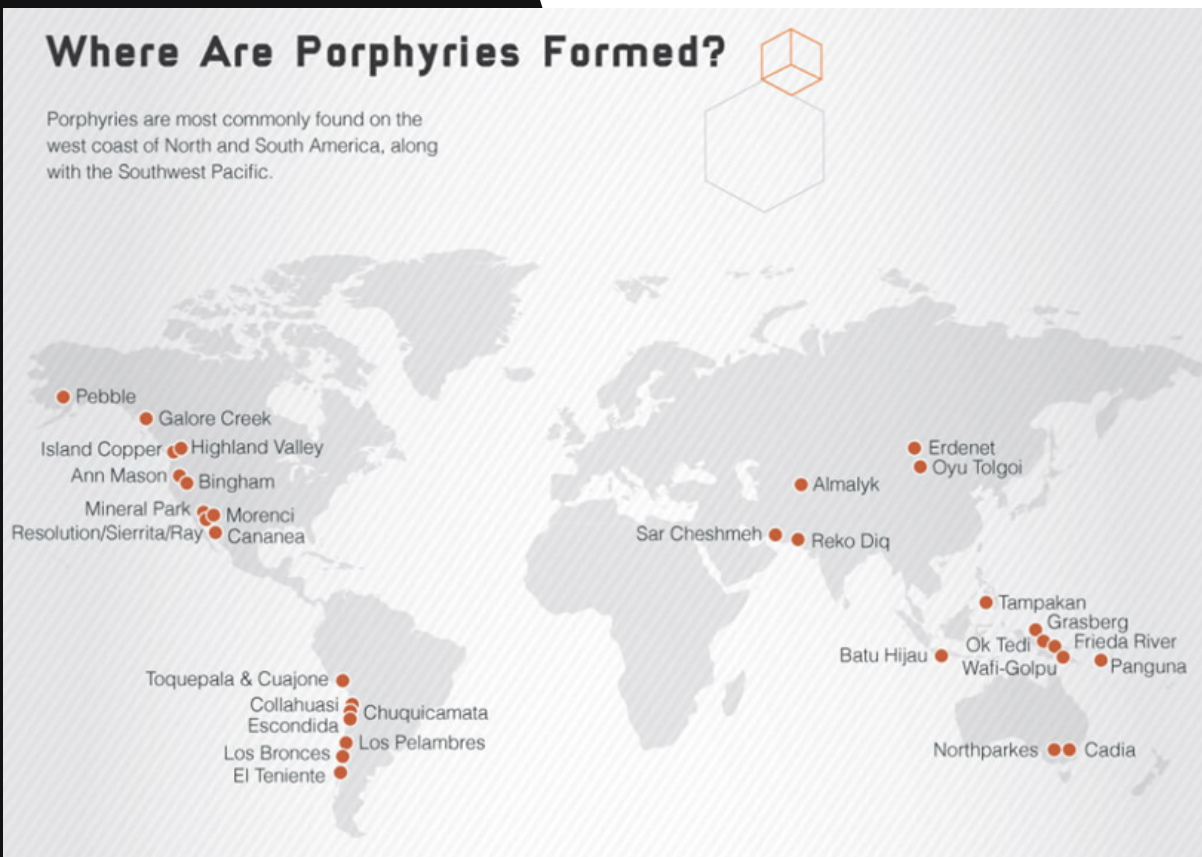
Target Market

Large Mining Companies: BHP, Rio Tinto, Vale, Glencore, Anglo American, Freeport-McMoRan, Newcrest

Medium Mining Companies: Hecla, New Gold, Eldorado Gold, First Majestic Silver, Alamos Gold

Small Mining Companies: Northern Star, Teseko

Junior Exploration Companies: Novo Resources, Northern Dynasty, White Gold, Great Panther



Competition

Feature/Product	██████████	██████	██████	██████████	██████	██████████
3D Modeling	Advanced	Moderate	Advanced	Advanced	Moderate	Advanced
Customization	Limited	Yes	Yes	Yes	Yes	Yes
Collaboration Features	Limited	Limited	Yes	Yes	Yes	Yes
Hardware Requirements	High	High	High	High	High	High
Data Import/Export Formats	Limited	Limited	Limited	Limited	Limited	Limited
Support and Resources	Yes	Limited	Limited	Yes	Yes	Limited
AI & Machine Learning	resource estimation, geological modeling, structural interpretation	No	resource estimation, optimization, enhancing model accuracy, mine planning	No	No	resource estimation, geological modeling, predictive analysis, mine planning
Cloud computing	Storage, collaboration	No	Storage, collaboration	No	No	Storage, collaboration
Implicit Modeling	Yes	No	Yes	Yes	No	Yes

Recommended niche: Cloud computing for calculations

Pricing



Tiered Basic (\$50K)

- Basic GeoScience Features
- 24/7 Support



Tiered Premium (\$75K)

- All GeoScience Features
- 24/7 Support
- One 2-Week Training/Consulting Session



Subscription (\$20K/annually)

- All GeoScience Features
- 24/7 Support
- 2-Week Annual Training/Consulting Session

- Existing clients will receive Tiered Premium for the price of Tiered Basic
- Subscription plan only applies to new clients

Go-to-Market

01

Create Marketing Materials
Establish Online Presence

02

Build a Sales Team
Partner with Industry-Specific Vendors

03

Comprehensive Customer Support
Training Workshops

04

Participate in Industry Events
Host Workshops & Presentations

05

Establish a User Community
Encourage User-Generated Content

06

Content Marketing (Blog Posts,
Whitepapers, Webinars)

07

Actively Seek User Feedback for
Continuous Improvement

08

Define KPIs (Customer Acquisition
Cost, Conversion Rates, Customer
Retention Rates)

09

Plan for Scalability
Explore Expansion Opportunities

10

Ensure Compliance
Address Regulatory Concerns

11

Continuously Monitor Market
Competitors. Adapt GTM



Technology Adoption Resistance

- Training & Support
- Establish Client Trust
- Develop Close Client Relationships



Data Privacy & Security

- Robust Data Security Measures
 - Re-evaluate Latest Data Security Technologies
 - Consult Security Expert



Competition Challenges

- Continuous Innovation
 - Empowered Teams
 - Prioritized User Focus

Requested Approval

- 1. Investment in AI-Powered Geological Modeling**
- 2. Budget Allocation for Marketing and Support Teams**
- 3. Initiation of Pilot Programs with Selected Clients**