

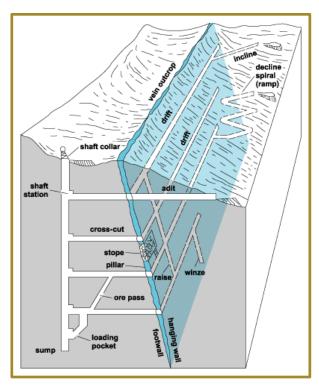
Unconventional technology. Unconventional value. Unconventional impact.



Current Methods Fail Small Deposits

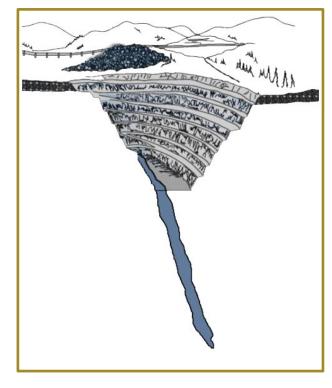
Conventional Narrow Vein Mining: <u>High Cost</u> & <u>Too Much Waste</u>

Capex \$10's of millions



Underground

20x more waste



Open Pit



Solution: Surgical Mining using Guidance Tools

Near Borehole Imaging Tool ("NBIT"): Hardware, software and services solution

High resolution vein identification and trajectory calculation



Proprietary navigation tool: Near Borehole Imaging Tool



Algorithms to identify host rock / mineralized zone interface



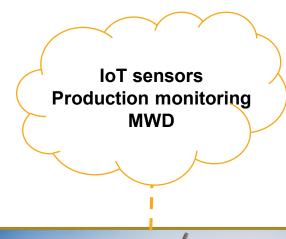
Solution: Surgical Mining using Guidance Tools

Hardware and software to control large diameter drilling

Novamera tools connect to third party large diameter drills

Entry sleeve Optimizes hole collaring







Logic / Control systems
Steering





Economic Value Proposition

- ✓ Unlocks uneconomic mineral resources
- ✓ Competitive operating costs
- Faster time to ore
- Lower upfront capex
- Reduces tailings facility costs
- ✓ Lower crushing costs



Novamera field trial site



Climate Smart Mining Value Proposition

- √ 50% less GHG emissions and power consumption versus underground¹
- ✓ Limited water usage / recycle
- No blasting
- ✓ No dust
- Less noise
- Re-use tailings

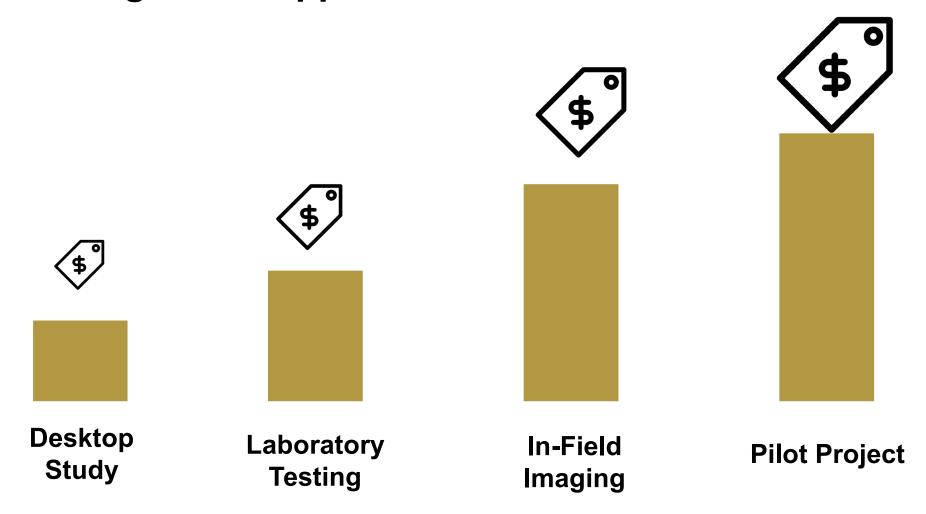


Novamera field trial site in foreground; Anaconda open pit operation in background



Engaging with Novamera

Stage Gate Approach = Lower Customer Risk

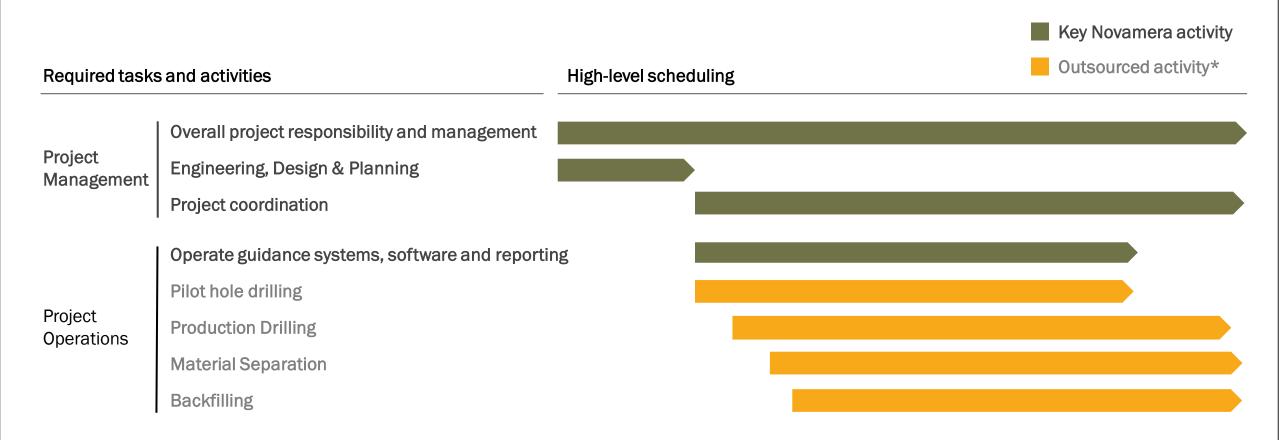




Business Model

Integrated service provider model

• Novamera will deliver a hardware, software and services solution to the operator



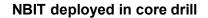


Field Trial



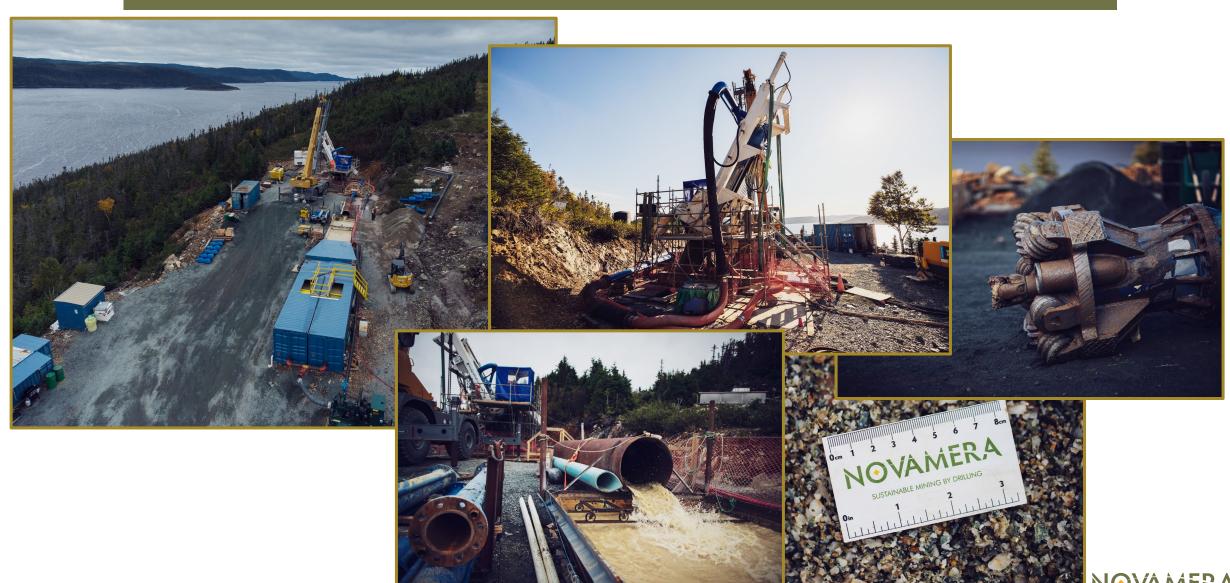


Near borehole imaging tool ("NBIT")





Field Trial



Pile Top Drill Rig Modifications



Modified Cutting Head with Stinger



Bottom Hole Assembly



Entry Sleeve



Modular Solution







Pile Top Drill Separation Unit Separation Unit



Material Recovery





Material from production drill



Material separation system with mechanical baffles



Take the Future of Mining in Your Hands

NOVAMERA

Generate new opportunities and create more value from you mining operations

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Shannon McCrae, VP Business Development 416-949-6618 smccrae@novamerainc.com



Management Team

Deep Experience in Mining, Tunneling and Drilling







- 24 years of operating, capital markets and start-up experience
- Certified Public Accountant
- Gold, coal and aggregates





Allan Cramm VP Innovation & Co-Founder

- Over 35 years of managerial and operating experience in the mining industry
- Inducted into the International Mining Hall of Fame



CATERPILLAR®

Andrew Caruana VP Product Engineering

- Electrical engineer; 17 years of tunneling industry experience
- Started tunneling division at Smith and Long
- Designed new mobile, portable substation for tunneling





Shannon McCrae VP Business Development

- 20 years of experience in mining and exploration industry
- Former Director of Global Exploration for Barrick Gold
- Global corporate and field experience with Barrick and De Beers

