

zenyatta GRAPHENE

Why GRAPHENE?

- 1000 x current carrying capacity of Cu
- 200 x stronger than steel
- 10 x thermal conductivity of Cu
- Thinnest material known to man - 0.33nm
- Stretches like rubber
 up to 20% of its length

Investment Highlights

- Zenyatta is creating high-purity graphite samples for market evaluation and testing by end-users and application developers
- High-purity graphite material shows a consistent and desirable particle size distribution without micronization
- Independent testing has revealed that Albany graphite is easier to convert to graphene and graphene oxide than other natural graphite and the resulting material is easily dispersed which is critical for effective use in composite materials like concrete, rubber and plastics
- Graphene is an advanced material that holds immense promise over a wide range of applications and industries

Strategic Material for Clean Technology Industries

GRAPHENE is the Wonder Material of the Future

GRAPHENE could have a dramatic impact on our future by changing the fields of computing, energy and materials by making everything smaller, stronger and more ecologically sustainable

Share Structure

Shares Issued	63,597,361	
Warrants	845,000	@ \$1.65 (expiry 11 August 2018)
Warrants	982,567	@ \$0.83 (expiry 11 June 2018)
Warrants	356,537	@ \$1.00 (expiry 17 December 2019)
Options	4,815,000	@ avg. weighted price \$1.24
Fully Diluted	70,596,465	

Highly Experienced Management Team and Advisors

Aubrey Eveleigh President & CEO Keith Morrison Chairman Tom Mustapic CFO Dr. Bharat Chahar VP Market Development Peter Wood VP Exploration James Jordan Project Manager

This document may contain forward looking information and Zenyatta cautions readers that forward looking information is based on certain assumptions and risk factors that could cause actual results to differ materially from the expectations of Zenyatta.

As at February 8, 2018

Please refer to those risks set out in Zenyatta's public documents filed on SEDAR.

GRAPHENE Applications of Interest Zenyatta will be focusing all future efforts on value-added graphene converted from Albany graphite in vertically integrated structure.

Highlights from 2015 Preliminary Economic Assesment

- Open-Pit, Life of Mine ('LOM') of 22 years (less than 50% of the Indicated & Inferred Mineral Resources)
- 3,000 tonne per day open-pit mine and process plant to produce 30,000 tonnes of high-purity (>99.9% Cg) graphite annually
- Price of purified graphite @ \$7,500 per tonne and operating costs of \$2,046 per tonne showing a margin of \$5,454 per tonne
- Total gross revenue of ~US\$4.8 Billion and an after-tax cash average annual cash flow of \$110 Million
- A base case after-tax Net Present Value at a 10% discount rate of \$438 Million yielding an after-tax Internal Rate of Return of 24%

Key Partnerships and Recent Developments

- Graphene infused concrete Partnership with Ben-Gurion University and Larisplast Ltd.
- Potential to build a customer base for a significant volume and pricing of the mine's graphite production
- Market opportunity Potential target market: 840M MT high strength concrete (source: USGS)
- Dr. Aicheng Chen, University of Guelph, is currently scaling up their graphene oxide production process and developing new energy storage and environmental applications
- Dr. Alan Dalton, University of Sussex, is developing a scalable graphene production process using Zenyatta graphite and developing graphene infused rubber composite applications (sensor products for medical and food produce) in collaboration with Alliance Rubber Company
- American advanced materials company has successfully used Zenyatta's graphene oxide to create a silicon-graphene composite for testing as a new anode material in a next generation lithium-ion battery

Albany Zenyatta has 100% ownership of the large Albany Graphite Deposit which contains 968,000 Indicated contained tonnes Cg and 445,000 Inferred contained tonnes Cg **Graphite Deposit** The deposit is currently in development with a positive Preliminary Economic Assessment A High-Purity Graphite completed in 2015 and the Pre-Feasibility Study is scheduled to be completed in 2018 Deposit in a Class of its Own The only deposit in the world where the graphite has an igneous origin and the carbon was likely sourced from the mantle Rich and abundant graphite is deposited in two well-defined breccia pipes Unlike flake graphite deposits where the graphite is formed from in-situ organic material Close to excellent infrastructure – 30 km north of the Trans-Canada Highway, 70 km from Albany Graphite rail line, close to power line and natural gas pipeline and port access via the Great Lakes Deposit Cut-off Contained Grade Tonnes Grade Graphitic (% Cg) 7 (t) (% Cg) Carbon (t) **Open Pit** Indicated 0.9 24.3 3.98 968,000 Inferred 0.9 5.4 2.58 138,000 East Underground Breccia West Resource Pipe Indicated Estimate Breccia Inferred 1.5 11.5 2.67 307,000 Pipe June 1, 2015 (see July 9, 2015 3D **Total Indicated** Variable 24.3 3.98 968,000 **PEA** report at Model **Total inferred** 16.9 2.64 445,000 www.zenyatta.ca) Variable

For more information, please visit the Company's website zenyatta.ca Phone 807.346.1660 Email info@zenyatta.ca

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