



## **Abstracts – Li-ion Battery Materials Mini Symposium      April 25, 2017**

### ***Albany Project, Ontario — A unique, large, high purity, Proterozoic-age, Igneous-hosted graphite deposit    Peter Wood, VP Exploration, Zenyatta Ventures***

Zenyatta Ventures Ltd. discovered an extremely rare and large graphite deposit (volcanic type) in northern Ontario while exploring for other commodities in 2012. The unusual mode of formation of the Albany graphite deposit accounts for favourable purity, crystallinity and particle size needed for cleantech applications. Independent testing in Japan, UK, USA, Israel and Canada during 2015-16 has shown that the performance of Albany graphite is in the range or better for material used presently for Lithium-ion batteries, fuel cells, powder metallurgy and graphene applications. Zenyatta's 100% owned deposit is located 30 km north of the Trans-Canada Highway, power line and natural gas pipeline near the communities of Constance Lake First Nation and the town of Hearst.

### ***The Importance of Mineralogy, Metallurgy and Product Quality to specialty materials project development    Aron Cleugh, Managing Director, M.Plan International***

When developing a specialty minerals project, mineralogy, metallurgy, and product quality are more important in defining a project than resource tonnes and grade. In fact, each specialty project is unique and each deposit has a unique mineralogical signature that bears tremendous significance on project development. Specialty mineral (and industrial mineral) deposits differ from metallic mineral deposits in that their economic viability is significantly affected by factors such as particle size and morphology, mineralogy, chemical purity and the nature of the impurities, transportation costs, availability and timing of the market, and product prices. This presentation uses flake graphite to illustrate this reality. It is essential that QPs and issuers recognize these unique requirements when reporting on specialty mineral projects for the sake of completeness and transparency.