

Greg Fenton on Achieving a Five Nines Purity Level of 99.99915% from an Albany Graphite Project Sample

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July 19, 2024 – In a recent interview with InvestorNews host Pat Bolland, Greg Fenton, CEO and Director of [Zentek Ltd.](#) (NASDAQ: ZTEK | TSXV: ZEN), discussed significant advancements in the Albany Graphite Project. Zentek Ltd., a technology development company, [announced](#) that its subsidiary, Albany Graphite Corporation, has achieved a five nines purity of 99.99915% for a graphite sample from the Albany graphite deposit. This high purity level was reached using a simple, environmentally friendly process that avoids the use of hydrofluoric acid, a common but hazardous chemical in graphite purification. Fenton highlighted, “We were able to achieve this five nines purity without the use of hydrofluoric acid. It’s a fairly straightforward process.”

This achievement positions Zentek Ltd. as a strong competitor in both the lithium-ion battery and nuclear markets. The Albany graphite’s unique formation gives it synthetic-like characteristics, making it a viable alternative to synthetic graphite, which commands higher market prices. “Now you’re starting to talk about graphite that has a selling price of \$25,000 to \$40,000 US per ton,” Fenton noted. The company is also focused on proving the material’s suitability for battery applications and exploring local integration to fill the gap in North American processed graphite supply, a crucial step given the increasing investment in the North American battery supply

chain.

To access the complete interview, [click here](#)

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Zentek's patented technology platform ZenGUARD™, is shown to have 99-per-cent anti-microbial activity and to significantly increase the bacterial and viral filtration efficiency of both surgical masks and HVAC (heating, ventilation, and air conditioning) systems. Zentek's ZenGUARD™ production facility is located in Guelph, Ontario. Zentek's patent pending ZenARMOR™ technology platform is focused on corrosion protection applications.

Zentek has a global exclusive license to the Aptamer-based platform technology developed by McMaster University which is being jointly developed Zentek and McMaster for both the diagnostic and therapeutic markets.

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