

Greg Fenton Discusses Zentek's 2024 Progress and Exclusive Aptamer Technology Rights

written by InvestorNews | February 21, 2024

In a detailed interview with Tracy Weslosky, Greg Fenton, CEO and Director of [Zentek Ltd.](#) (NASDAQ: ZTEK | TSXV: ZEN), shared insights into the company's strategic progress and emerging opportunities, particularly emphasizing its work with aptamer technology. With an exclusive global license for innovative Aptamer-based platform technology developed by McMaster University, Zentek is pioneering advances in both diagnostic and therapeutic applications, underscoring its dedication to healthcare innovation. The company has made notable breakthroughs in COVID-19 therapeutics with its [C19HBA aptamer](#), showing significant promise in preclinical trials by outperforming leading monoclonal antibodies. This success has paved the way for Phase 1 clinical trials for COVID-19 and exploration into other areas such as oncology, immunology, and neurology.

Fenton highlighted the positive reception from major pharmaceutical companies, reflecting a broad industry interest in Zentek's aptamer technology. Additionally, Zentek's ZenGUARD™ technology platform, known for its 99-percent anti-microbial activity, has been instrumental in enhancing the bacterial and viral filtration efficiency of surgical masks and HVAC systems. A [recent study](#) on ZenGUARD™ Enhanced Air Filters revealed its potential to offer significant energy, emission, and cost savings for commercial buildings, showcasing a scalable solution for improving indoor air quality and addressing climate change.

Throughout the conversation, Fenton articulated Zentek's

ambitious plans for partnerships and expansion, leveraging the favorable market conditions to boost the company's visibility and impact. His vision for Zentek includes strategic partnerships, leveraging its proprietary technology, and a commitment to revolutionizing the approach to managing infectious diseases and enhancing environmental sustainability.

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

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About Zentek Ltd.

Zentek is an ISO 13485:2016 certified intellectual property technology company focused on the research, development and commercialization of novel products seeking to give the Company's commercial partners a competitive advantage by making their products better, safer, and greener.

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, through its wholly-owned subsidiary Triera Biosciences Ltd., has a global exclusive license to the Aptamer-based platform technology developed by McMaster University, which is being jointly developed by Zentek and McMaster for both the diagnostic and therapeutic markets.

The Company is not making any express or implied claims that its aptamer technology has the ability to eliminate, cure or contain COVID-19 (or the SARS-CoV-2 coronavirus) at this time.

To learn more about Zentek Ltd., [click here](#)

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Greg Fenton on how Zentek's Advancement in Aptamer Technology is Revolutionizing Biotech

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In an interview with host Tracy Weslosky from InvestorNews, [Zentek Ltd.](#)'s (NASDAQ: ZTEK | TSXV: ZEN) CEO Greg Fenton began their discussion on the substantial improvement in the aptamer platform's binding affinity and yield as announced in their [November 15th, 2023, release](#). Greg explains how the new platform

may reduce the rapid clearance from the body, the researchers have increased the aptamer platform production to a 95% yield, which substantially reduces costs and positions them as potential replacements for monoclonal antibodies, offering efficiency and cost benefits.

Fenton highlights the rapid production capability of aptamers, taking only 6-8 weeks compared to longer durations for vaccines. Aptamers, composed of DNA sequences, are deemed safe and can be synthesized quickly for specific targets. This speed and cost-effectiveness give aptamers a competitive edge in the market, especially against antibody therapies.

He also discusses Zentek's collaboration with McMaster University in medical research, noting that the aptamer platform is still in early stages but shows great potential. He emphasizes the importance of safety, dosing ranges, and further research to establish the platform's market value.

Additionally, Zentek's recent developments include ZenGUARD™ enhanced air filters, which offer significant cost savings in healthcare and energy efficiency. The filters reduce absenteeism and energy costs by requiring fewer air exchanges, representing economic benefits for building owners, businesses, and public healthcare systems.

Fenton also remarks on Zentek's efficient use of funds, highlighting that their current stage of development would typically cost hundreds of millions of dollars, but they achieved it with a fraction of that amount. This efficiency is attributed to their partnership with McMaster University.

Finally, the addition of John Snisarenko, a former pharma industry executive, to Zentek's board is seen as a strategic move to enhance the company's outreach and partnership engagement in the pharmaceutical industry. His extensive

pharmaceutical experience and connections are expected to be valuable for Zentek's future development and commercialization strategy.

The news release from November 15, 2023, corroborates these developments, noting the substantial improvement in the aptamer platform's binding affinity and yield. The release also highlights the potential for Zentek's aptamers in precision therapy, competing with monoclonal antibodies, and the significant cost and timeline advantages inherent to their platform technology. Zentek's CEO comments on the potential of the aptamer platform across various therapeutic areas and the company's shift towards commercialization and partnership strategies. To access the complete interview, [click here](#)

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Greg Fenton on China's graphite export restrictions and Zentek's Albany graphite deposit in Ontario

written by InvestorNews | February 21, 2024

In a recent InvestorNews interview with host Tracy Weslosky, Zentek Ltd.'s (NASDAQ: ZTEK | TSXV: ZEN) CEO and Director, Greg

Fenton, discussed China's recent move to restrict graphite exports and its potential impact on global supply chains and the electric vehicle (EV) industry.

Zentek's Breakthrough Aptamer Platform Shows Promise in Fighting COVID-19

written by InvestorNews | February 21, 2024

In a recent interview conducted by Tracy Weslosky of InvestorIntel, Greg Fenton, the CEO & Director of Zentek Ltd. (NASDAQ: ZTEK | TSXV: ZEN), unveiled some thrilling developments surrounding the company's revolutionary aptamer platform. With an exclusive global license from McMaster University, this groundbreaking platform has demonstrated remarkable success in pre-clinical animal model tests as a potential prophylactic or therapeutic for SARS-CoV-2, the virus responsible for the ongoing COVID-19 pandemic. Spearheaded by Dr. Yingfu Li's team at McMaster, this platform harnesses a series of synthetic molecules known as aptamers, exhibiting a high affinity for the SARS-CoV-2 spike protein.

Greg Fenton of Zentek Discuss Anti-Icing Drone Technology & Spinning Out the Albany Graphite Project

written by InvestorNews | February 21, 2024

In this InvestorIntel interview, Tracy Weslosky talks with [Zentek Ltd.](#)'s (NASDAQ: ZTEK | TSXV: ZEN) CEO and Director Greg Fenton about the [successful testing](#) of its "best-in-class" [icephobic coating](#) for drones, first in wind tunnels and then real-world conditions.

While the drone with uncoated propeller blades rapidly lost the ability to maintain flight in an outdoor icing environment, Greg discusses how the drone coated with Zentek's icephobic coating prevented ice from adhering to the surface and was able to maintain flight until the end of the battery life. Greg explains how Zentek is positioned to potentially be the only company in Canada with a product to help drones fly in winter conditions to meet [Transport Canada's](#) anti-icing requirements for drones.

Greg also provides [an update](#) on Zentek's [Albany Graphite Project](#). With an increased demand for North American battery supply chains, Greg discusses how there has been a renewed market interest in their Albany graphite project. Recognizing this, Greg talks about Zentek's decision to resume work on the project and transfer the project to its wholly-owned subsidiary Albany Graphite Corp., to secure funding for its development and attract investors, including discussions with battery manufacturers and car companies.

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

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Zentek's patented ZenGUARD™ coating 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 systems. Zentek's ZenGUARD™ production facility is located in Guelph, Ont. Zentek's second technology is the patent-pending ZenARMOR™ platform focused on corrosion protection applications.

To know more about Zentek Ltd., [click here](#)

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Greg Fenton of Zentek on Customer Demand for its Innovative Antimicrobial Coating for HVAC Systems

written by InvestorNews | February 21, 2024

In this InvestorIntel interview, Tracy Weslosky talks

with [Zentek Ltd.](#)'s (NASDAQ: ZTEK | TSXV: ZEN) CEO and Director Greg Fenton about an update on the commercialization of Zentek's patented ZenGUARD™ antimicrobial technology.

With the ability to increase viral filtration efficiency of an HVAC (Heating, Ventilation, and Air Conditioning) filter by almost 5 times, Greg explains how a ZenGUARD™ coated HVAC filter is an incredibly safe way to improve indoor air quality and remove pathogens from the air without any additional energy requirements.

Although currently going through a regulatory approval process through Health Canada's Pest Management Regulatory Agency ("PMRA") in Canada, ZenGUARD™ has already received approval from another branch of Health Canada, indicating a high likelihood of approval from PMRA. Greg also discusses how ZenGUARD™ is seeing a growing demand from end users including filter manufacturers, provincial and municipal governments, and private sector customers.

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Zentek's ZenARMOR is potentially a major breakthrough in the US\$23.8B+ Global Anti-Corrosion Coatings Market

written by InvestorNews | February 21, 2024

The anti-corrosion coatings market may not sound very glamorous, but it is a multi-billion dollar business. According to Vantage Market Research, the global anti-corrosion coatings market was valued at [US\\$23.8 billion in 2021](#) and is forecast to grow to \$43.2 billion by 2028. Zentek quoted from a 2012 U.S. Congressional Briefing that “corrosion-related costs amounted to US\$452 billion per year in the US, including US\$22 billion for the Department of Defense.” This just highlights the importance of anti-corrosion coatings and the fact the market for coatings can grow much larger over time.

According to a November 2022 [report](#): “The anti-corrosion coating material is widely used in marine industries, oil & gas,

automotive, and infrastructure... Additionally, increased infrastructure investment, particularly in developing and emerging countries, has been a major driver of demand for anticorrosion coatings.”

Canadian graphene technology specialist company [Zentek Ltd.](#) (NASDAQ: ZTEK | TSXV: ZEN) has just [announced](#) that they have developed a novel corrosion protection technology known as [ZenARMOR™](#). The technology is based on graphene oxide and Zentek’s CEO and Director Greg Fenton [stated](#) it is “better than the best existing anti-corrosion systems currently in the marketplace.”

Given that Zentek trades on a market cap of just [C\\$228 million](#), the opportunity to break into a US\$23.8 billion market with a major breakthrough technology could be potentially game-changing for Zentek.

ZenARMOR™

ZenARMOR™ is a graphene oxide additive that can be added to existing paint and applied to surfaces to help prevent corrosion. Initial testing results on ZenARMOR™ showed [no signs of corrosion even after 1,500 hours](#) of salt spray testing. The best systems on the market start breaking down at 1,000 hours. Zentek spent 2 years developing ZenARMOR™ and it has been third-party validated. Greg Fenton commented (video here) that he sees ZenARMOR™ as a “potentially game-changing technology”.

The next steps will be further testing by potential end users over the next 6-9 months, if successful, it is to be followed with the commercialization of ZenARMOR™. If Zentek gets to the stage of selling the product, the Company believes it can ramp up supply to meet demand.

In the February 8, 2023 announcement, Zentek [stated](#):

“The Company also reports that the ZenARMOR™ corrosion protection self-healing coating was submitted to the Innovative Solutions Canada (ISC) testing stream – Military Call for Prototypes. The Company is pleased to announce that it has been advised that ZenARMOR™ has met the mandatory and technical evaluation criteria of the Military Call for Prototypes, Military Component, and is considered conditionally qualified, pending further steps such as matching our innovation with a Government of Canada Organization (GCO) interested in testing ZenARMOR™.”

ZenGUARD™

In further breaking news, Zentek’s Heating, Ventilation, and Air Conditioning (“HVAC”) filtration product ZenGUARD™ has performed well in Stage 2 testing. ZenGUARD™ is a graphene-based coating that can be used to upgrade existing HVAC filters. Zentek [announced](#) on February 7, 2023 that “ZenGUARD™-treated MERV 8 filters achieved 34.56% filtration efficiency of the Phi6 virus, a surrogate for COVID-19 during a single air exchange. This compares to 7.24% for uncoated MERV 8 filters, a 27.32% net improvement.”

Zentek CEO, Greg Fenton, [stated](#): “The ZenGUARD™ technology is a simple and practical way to improve one of the biggest problems facing workspaces, planes, trains, buses, and other indoor spaces: indoor air quality.....we believe our patented ZenGUARD™ technology has the potential to not only protect people’s health by removing more pathogens from the air we breathe, but to do so in a way that reduces financial burden and environmental footprint.”

More details [here](#) in a CEO video discussing ZenGUARD™.

Zentek's Guelph manufacturing center is one of the world's largest graphene-based production facilities (produces the graphene oxide for coatings for ZenARMOR™ and ZenGUARD™)



Source: [Zentek website](#)

Closing remarks

Zentek continues to innovate at a rapid pace with all types of graphene-related products. Commercialization is underway with their revolutionary ZenGUARD™ being used in [face marks which remove 98.9% more bacteria and 97.8% more virus](#) compared to standard surgical masks. Zentek is also developing numerous other graphene-based products such as [icephobics](#) (help prevent ice buildup), [fuel additives](#) (to reduce carbon emissions), and [fire-retardant coatings](#) just to name a few. Graphene is a revolutionary product and Zentek is at the cutting edge of developing and commercializing numerous uses for graphene-based products.

InvestorIntel will continue to keep investors up to date with Zentek's amazing progress in what promises to be another potentially superb year for the company.

**Greg Fenton on ZenARMOR,
Zentek's novel corrosion**

protection technology

written by InvestorNews | February 21, 2024

In this InvestorIntel interview, Tracy Weslosky talks to [Zentek Ltd.](#)'s (NASDAQ: ZTEK | TSXV: ZEN) CEO and Director Greg Fenton about their novel corrosion protection technology: [ZenARMOR™](#). As a technology based on graphene oxide, Greg explains how ZenARMOR™ has shown performance that is “better than the best existing anti-corrosion systems currently in the marketplace.”

Speaking about the potential environmental benefits of ZenARMOR™, Greg discusses how the initial results on ZenARMOR™ showed no signs of corrosion even after 1,500 hours of salt spray testing. With corrosion-related costs amounting to upwards of US\$ 450 billion per year in the US alone, Greg explains how ZenARMOR™ may find application in naval and marine infrastructure, bridges, buildings, pipelines, and many other industries.

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Greg Fenton on the impact of Zentek's HVAC Phase 2 Testing results on Air Filtration

written by InvestorNews | February 21, 2024

The ZenGUARD™ coating can be applied to existing HVAC filters without having to do any modification to the HVAC systems and can increase filtration efficiency of the Phi6 virus, a surrogate for COVID-19 during a single air exchange of a MERV 8 filter by almost 5 times. In this InvestorIntel interview, Zentek's Greg Fenton discusses the results of the final report for Phase 2 testing of ZenGUARD™ for use in Heating, Ventilation and Air Conditioning ("HVAC") filtration from the National Research Council of Canada ("NRC").

Greg Fenton on the ZenGUARD™ technology patent and how HVAC

filter testing results mean better air for everyone

written by InvestorNews | February 21, 2024

In this InvestorIntel interview, Tracy Weslosky has [Zentek Ltd.](#)'s (NASDAQ: ZTEK | TSXV: ZEN) CEO and Director Greg Fenton discuss Zentek's recent [news release](#) on the ZenGUARD™ technology patent being granted. As an antimicrobial coating used on personal protective equipment (PPE) and heating, ventilation, and air conditioning (HVAC) applications, Greg explains how they took ZenGUARD™ from a concept in the lab to an Intellectual Property that can be commercialized.

Greg goes on to provide an update on the successful completion of [Phase 2 HVAC filter testing](#) of the ZenGUARD™ coating by the National Research Council of Canada. As an economical solution to significantly reduce airborne pathogens and improve indoor air quality, Greg discusses how ZenGUARD™ coating can be applied to HVAC filters without any modification to existing HVAC systems.

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PPE and potentially HVAC systems and other industries. Zentek's ZenGUARD™ production facility is located in Guelph, Ontario.

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