

Sixth Wave Innovation moves its IXOS gold extraction technology forward with USD\$50M+ multi-stage contract

written by Tracy Weslosky | October 13, 2022

Until recently Sixth Wave has been a company with very promising technology but has been looking to turn that into dollars (revenue). That has now changed and could lead to a boost in the company's fortunes.

[Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: SIXWF) ("Sixth Wave") is a nanotechnology company. The company's technology focuses on 'detecting, capturing, and releasing' of target substances at the molecular level using specialized 'molecularly imprinted polymers' ("MIPs"). Six Wave is in the process of commercializing its Affinity™ cannabinoid purification system, AMIPS™ virus/bacteria detection, as well as their IXOS® extraction polymers for the gold mining industry. All of these are based on Sixth Wave's MIPs technology which can detect, capture and release almost any target molecule.



Source: [Sixth Wave Innovation website](#)

On September 12, 2022, Sixth Wave [announced](#) that it and Magnus Mineral Resources (PVT) Ltd had signed a USD\$50M+ contract for the implementation of its IXOS Mining Technology at the Penhalonga Gold Mine and beyond. The announcement [stated](#) that Sixth Wave has signed "a three phase test and implementation contract... that will field SIXW's patented IXOS® molecular

imprinted polymer for extraction and purification of gold and silver... at the Penhalonga Gold Mine, Zimbabwe. Additionally, Magnus Resources plans to build and deploy three smaller processing plants to assist regional artisanal mining groups in Zimbabwe." The company goes on to say that one of the benefits of using its extractive technology is to change "artisanal mining operations from dangerous and environmentally destructive practices involving mercury amalgamation."

The first phase of the agreement involves laboratory extraction and recovery testing. The second involves pilot-plant process design, engineering, implementation for gold recovery from oxides; as well as delivery/commissioning of three portable VAT leach adsorption/desorption/recovery plants that are capable of processing 100tpd of ore. The third phase will involve the testing and optimization of extraction for the transitional and refractory ore present at the mine.

While it is still early days and a lot needs to be achieved, Sixth Wave now has a pathway towards achieving significant revenue and a project to demonstrate that their technology is effective at scale in real world conditions. Plenty of risks still exist in terms of fulfilling the contract as well as Zimbabwe's country risk.

The key advantages of Sixth Wave's IXOS technology is that it has a high gold recovery ([average 95%](#)), it recovers gold with 90% less cyanide usage than conventional cyanidation, and has reduced energy requirements which lower processing costs.

It is often the case when new technology comes along there will be some resistance to change. However once it has been demonstrated to be effective at scale then the disruption begins, meaning others begin to seriously consider and adopt the technology. We have seen this with electric vehicles and we may

be about to see this with gold mining via Sixth Wave and Magnus Resources' plan to deploy the IXOS MIPs technology in Zimbabwe.

If the project succeeds this should open the door to numerous other opportunities for Sixth Wave Innovations. Investors can be excited given this opportunity in the mining sector, not to mention all the [other areas of opportunity](#) across multiple sectors where Sixth Wave's multi-purpose MIPs can be effective.

Sixth Wave Innovations trades on a market cap of just [C\\$5.4M](#). Will this be the turning point for the company? Time will tell and some patience is required. But it certainly looks very promising.

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**Dr Jon Gluckman provides an
update on Sixth Wave**

Innovations' pathogen detection technologies

written by InvestorNews | October 13, 2022

In a recent InvestorIntel interview, Tracy Weslosky spoke with Dr. Jon Gluckman, President and CEO of [Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: SIXWF) about Sixth Wave's virus detection technology for SARS-CoV-2 and about their [partnership with TraceSafe Inc.](#) for the detection of viruses and pathogens in animals.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Dr. Gluckman said that Sixth Wave's virus detection technology is based on molecular imprinted polymer and "...can detect the COVID-19 virus and all its variants, at levels that are better than immunoassay tests." He went on to highlight the growing instances of disease outbreaks in animals caused by viruses and pathogens that can impact our food supplies. Dr. Gluckman also explained how Sixth Wave is working with TraceSafe to develop a first-of-its-kind solution that can prevent and contain deadly viruses and pathogens in animals and provide real-time updates across the entire food supply chain.

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

About Sixth Wave Innovations Inc.

Sixth Wave is a development stage nanotechnology company with patented technologies that focus on extraction, purification, and detection of target substances at the molecular level using highly specialized Molecularly Imprinted Polymers (MIPs). The Company is in the process of commercializing its, IXOS®, a line of extraction polymers for the gold mining industry.

Sixth Wave can design, develop, and commercialize MIP solutions across a broad spectrum of industries. The company is focused on nanotechnology architectures that are highly relevant for detection, purification, and separation of viruses, biogenic amines and other pathogens, and nutraceuticals for which the Company has products at various stages of development.

To learn more about Sixth Wave Innovations Inc., [click here](#)

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If you have any questions surrounding the content of this interview, please contact us at +1 416 792 8228 and/or email us direct at info@investorintel.com.

Jon Gluckman of Sixth Wave Innovations on the increased profitability and decreased carbon emissions from gold mines using its IXOS® product line

written by InvestorNews | October 13, 2022

In a recent InvestorIntel interview, Tracy Weslosky spoke with Dr. Jon Gluckman, President and CEO of [Sixth Wave Innovations Inc.](https://www.sixwave.com) (CSE: SIXW | OTCQB: SIXWF) about how Sixth Wave's IXOS® gold adsorption and recovery technology can help reduce costs and increase yield for gold mines resulting in as much as US\$100/Troy Oz savings.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)),

Dr. Gluckman said that Sixth Wave's IXOS® purification polymer is eco-friendly and is a superior replacement for the activated carbon used today in the gold mining industry. He went on to explain how IXOS® can provide additional carbon credits for reducing carbon dioxide emissions and help enhance a gold mine's ESG posture. Currently working with some of the major gold mining companies, Dr. Gluckman said that Sixth Wave's IXOS® technology can also be used in silver mining and in that of other high value metals.

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

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Sixth Wave Innovations Dr Jon Gluckman on the colorimetric detection of SARS-CoV-2

written by InvestorNews | October 13, 2022

In a recent InvestorIntel interview, Tracy Weslosky spoke with Dr. Jon Gluckman, President, CEO and Founder of [Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: ATURF) about the successful demonstration of [colorimetric detection of SARS-CoV-2](#), the virus that causes COVID-19 utilizing Sixth Wave's Accelerated Molecular Imprinted Polymers ("**AMIPs**") technology.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Dr. Gluckman went on to say that colorimetric detection is a method of identifying the presence of a target substance within a test sample by means of a color reagent. He added that the Company is evaluating the detection capabilities of the technology for all the active strains of SARS-CoV-2. Dr. Gluckman also provided an update on Sixth Wave's letter of intent with Halucenex Life Sciences Inc. to explore [a collaboration](#) for the separation of compounds such as psilocybin, baeocystin, and others using molecularly imprinted polymers.

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

About Sixth Wave Innovations Inc.

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process of a commercial rollout of its Affinity™ cannabinoid purification system, as well as, IXOS®, a line of extraction polymers for the gold mining industry. The Company is in the development stages of a rapid diagnostic test for viruses under the Accelerated MIPs (AMIPs™) label.

Sixth Wave can design, develop and commercialize MIP solutions across a broad spectrum of industries. The company is focused on nanotechnology architectures that are highly relevant for the detection and separation of viruses, biogenic amines, and other pathogens, for which the Company has products at various stages of development.

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Will Sixth Wave help prevent a fourth wave?

written by InvestorNews | October 13, 2022

[Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: ATURF) is a nanotechnology company focused on extraction and detection of target substances at the molecular level. Their products can be very cost effective and potentially eliminate human error from the testing or measurement process. These advantages are derived from the application of patented technologies in the highly specialized field of [molecularly imprinted polymers](#) (MIPs).

Sounds pretty technical so what does that mean to you and me? As we battle a third wave of COVID-19 we are crossing our fingers and hoping vaccines will save the day. Especially given, that for all the talk about rapid testing, we have yet to see an

effective, accurate test used in a broad setting to help identify or track the spread of the SARS-CoV-2 virus. And who knows if all the variants that are popping up will continue to be effectively subdued by existing vaccines.

Enter Sixth Wave and their patent pending Accelerated Molecular Imprinted Polymers (AMIPs™) technology. Last week the company [announced](#) it has successfully demonstrated colorimetric detection of SARS-CoV-2. Colorimetric detection is a method of identifying the presence of a target substance within a test sample by means of color. For example, Green = COVID-19, Blue = Influenza, Red = Rhinovirus. And yes, the test could potentially identify multiple viruses in a single pass with different colors for each. Even better, the AMIPs™ test does not require the use of biological materials which have the potential to result in errors (false positive or false negative). As well, the methodology utilized by AMIPs™ should be more robust in its ability to detect variants because the mechanism used to capture and immobilize the virus is not keyed to a specific Antigen-Antibody relationship. Lastly, this robust, reliable product should result in a lower cost, either to an individual requiring a test or a government trying to get a handle on this annoyingly resilient virus.

Imagine kids going back to school and they all have a mask utilizing Sixth Wave technology. All you need to do is check each student's mask and if it's green the child gets sent home otherwise they are good to go until the next day. Now what if everyone had a mask, or some other device with AMIPs™ technology, then everyone could get back to going to sporting events, concerts or weddings. Even air travel and cruise ships would be able to operate relatively seamlessly based on the individual not being green, so to speak. This could be the solution that gets us back to a semblance of normal.

Unfortunately, as good as this all sounds, Sixth Wave isn't the answer to all our problems just yet. Next steps include building on this initial validation toward the development of a colorimetric sensor for a potentially wide range of rapid Virus detection devices using AMIPs™. As well, the Company is proposing to create a comprehensive library of molecular imprints for other viral pathogens and variants. This AMIP library will be capable of being licensed for all manner of rapid detection test (RDT) devices and wearables, such as a smart mask, smart clothing and PPE applications, airborne sensors, Breathalyzers, and others. The groundwork has been laid but it remains to be seen if the company can capitalize on its efforts.

Nevertheless, the company has its Affinity™ System which uses MIPs to deliver an innovative purification solution to the cannabis market. First revenue from cannabinoid extraction is expected in Q1/21. As well there is the IXOS product, a line of extraction polymers formulated for deployment in the gold mining industry for the extraction of gold from cyanide leach solutions. Sixth Wave is undertaking pilot plant testing of IXOS technology at a major gold producer (Kinross Gold Corporation). The company recently [raised \\$6M via a private placement](#) which should give them enough cash to continue developing and innovating its product base for another 6 months, give or take. It will be interesting to see if the company can start generating revenue to reduce the cash burn and advance all these exciting prospects.

Sixth Wave's Dr Jon Gluckman on the First Polymer for Detection of SARS-CoV-2

written by InvestorNews | October 13, 2022

In a recent InvestorIntel interview, Peter Clausi speaks with Dr. Jon Gluckman, President, CEO and Founder of [Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: ATURF) about their recent news: [First Polymer for Detection of SARS-CoV-2](#)

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Dr. Gluckman went on to say that Sixth Wave is working in collaboration with the University of Alberta to develop COVID-specific Imprinted Polymers that can detect viruses even after they have mutated. Sixth Wave is currently developing this technology specifically for the COVID-19 virus but can potentially be used to detect any virus. He highlighted that the technology is low-cost, easy to use, and scalable.

Speaking on the potential implementations of their technology Dr. Gluckman said that the technology can be used in handheld devices, wearables, and airborne detection tools. Sixth Wave is currently designing, Smart Mask™ that will use the Imprinted Polymers to detect the COVID-19 virus in the user's breath.

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

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