Sixth Wave's revolutionary gold processing technology, now enters the lithium extraction race

written by InvestorNews | May 31, 2021

In what seems like a miracle company Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF) ("Sixth Wave") has the technology to detect and/or extract any number of substances as widespread as SARS-CoV-2 (the virus that causes COVID-19), cannabinoids, gold or lithium. The applications for this technology are potentially enormous.

Sixth Wave is a nanotechnology company with patented technologies that focus on extraction and detection of target substances at the molecular level using highly specialized Molecularly Imprinted Polymers (MIPs).

Sixth Wave's MIPs can detect COVID-19

On April 14 Sixth Wave announced that they were now able to demonstrate colorimetric detection of SARS-CoV-2 utilizing Accelerated Molecularly Imprinted Polymers (AMIPs). The images below best show how it works.

The image on the left shows the AMIPs™ polymer having been exposed to SARS-CoV-2 (COVID-19) with the fluorescent highlights indicating the presence of the virus (positive). The image on the right shows the AMIPs™ polymer having been exposed to a non-infected sample (negative)

Source

Sixth Wave MIPs are also used in cannabis extraction and processing. In April 2021 Sixth Wave entered a Letter of Intent (LOI) with Halucenex Life Sciences Inc. for the separation of compounds such as psilocybin, baeocystin, and others using MIPs used in Sixth Wave's Affinity™ cannabinoid purification system.

Sixth Wave's Affinity™ cannabinoid extraction technology for the cannabis industry

Source: Sixth Wave Innovation website

Sixth Wave's technology gaining traction in the extraction of valuable minerals such as gold from mine tailings

On May 18 Sixth Wave announced that it has executed a non-binding LOI to test their patented IXOS® purification and extraction polymer on gold bearing tailings samples from the Barry-Hollinger Gold Mine (BHGM) in Eastern Ontario. It is estimated there are approximately 200,000 tons of tailings on the property which have been indicated to contain up to 16,000 ounces of gold. Sixth Wave will perform a combination of leaching and recovery tests, expected to start in June 2021. Sixth Wave state: "The tailings test protocol could form the foundation for a business model that seeks to identify and recover gold from tailings at other mine sites in the Ontario mining district and throughout the world."

Sixth Wave's IXOS extraction technology for the gold mining industry and others

Source: Sixth Wave Innovation website

Sixth Wave's technology for the extraction of lithium from geothermal brines

In April, Sixth Wave announced the acquisition of 100% of the outstanding common shares of Geolithic Corp. Sixth Wave stated: "Geolithic was established in January of 2017 as a joint venture between TriLateral and Sixth Wave to exploit the latter's technology for the extraction of lithium from geothermal brines located primarily in the Salton Sea area of California. The Salton brines are renowned for their elevated levels of lithium and represent one of the largest untapped sources of lithium in the world." This move by Sixth Wave to acquire 100% of Geolithic reflects Sixth Wave's confidence in both the technology and the opportunity. With lithium demand set to surge 10-11x this decade I certainly see this as a wise strategic move.

Closing remarks

Referring to their nanotechnology, Sixth Wave say they have "the smallest solutions to the world's largest problem". That certainly seems very true given their nanotechnology has proven effective at detecting COVID-19.

Whilst it is still very early stages for Sixth Wave Innovation on a market cap of just C$33 million the potential for this small company is indeed large. If they can go on to successfully commercializing their miracle technology in either of the health or mining sectors then I would expect Sixth Wave would potentially get a whole lot bigger. Stay tuned to this very exciting company in 2021.