

Pierre Gauthier on Auxico Resources' new Colombian mining permit and rare earths plans

written by InvestorNews | May 26, 2022

In this InvestorIntel interview with host Byron W. King, [Auxico Resources Canada Inc.](#)'s (CSE: AUAG) Chairman and CEO Pierre Gauthier talks about the recently granted [mining permit](#) for their Minastyc rare earths property located in Colombia, as well as an update on the environmental permitting of the project expected shortly.

In the interview, which can also be viewed in full on the InvestorIntel YouTube channel ([click here](#)), Pierre Gauthier says that in addition to the substantial amount of rare earths at its Minastyc property, there is also a surface discovery of high-grade gold, platinum, titanium, zirconium, hafnium and iridium. Pierre talks about Auxico's "green" and environmentally friendly UAEx technology for rare earths separation. He goes on to explain that compared to conventional extraction techniques, UAEx improves rare earths recovery and at the same time reduces energy requirements, use of chemical reagents and extraction time.

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About Auxico Resources Canada Inc.

Auxico Resources Canada Inc. ("Auxico" or the "Company") is a Canadian company that was founded in 2014 and based in Montreal. Auxico is engaged in the acquisition, exploration and

development of mineral properties in Colombia, Brazil, Mexico, Bolivia and the Democratic Republic of the Congo.

To learn more about Auxico Resources Canada Inc., [click here](#)

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Auxico Resources' Pierre Gauthier on being the first NA company to commercially produce and sell monazite into the world market

written by InvestorNews | May 26, 2022

Pierre Gauthier, Chairman and CEO of [Auxico Resources Canada Inc.](#) (CSE: AUAG) recently spoke with InvestorIntel's Byron W. King about Auxico's just licensed patent for ultrasonic disintegration process technology. This technology allows a rapid decrease in the time, temperature, and pressure necessary to crack hard rock ores and extract valuable minerals by disintegrating the ores without the need for extensive crushing and grinding. The ultrasonic process allows a high level of extraction efficiency by greatly increasing the surface area to volume ratio of the minerals to allow rapid leaching out of the payable metals. Pierre emphasized the broad application by Auxico of this ultrasonic technology. In particular, it has allowed class-leading rapid high-level extraction of nickel and

of rare earths from their ores. This saves water, energy, and most of all, time, which, of course, reduces costs.

Pierre went on to say that Auxico has also developed a new simplified [chemical process](#) for removing the radioactive elements from the very rich in magnetic rare earths mineral, monazite, after it has been treated ultrasonically. Auxico, he continued, has located monazite bearing mineral sands in Columbia and the Democratic Republic of Congo (DRC) as well as monazite rich residues from tin mining in [Brazil](#), Bolivia, and the DRC. It will treat them ultrasonically, where necessary, to improve and facilitate the removal of radioactive thorium and uranium and their safe disposal in the countries of origin in order to be able to ship the monazite for extraction and separation into individual rare earths in a plant to be constructed in Quebec or the USA.

Auxico's monazite from the DRC is low enough in thorium and uranium so that the mineral can be shipped out of the country without processing. Pierre finally pointed out that Auxico has already sold and shipped 100 tons of monazite from its DRC operation to a customer in Asia. Auxico plans to ramp up the shipments from the DRC to [1000 tons per month](#) by the end of 2022.

This makes Auxico the first Canadian company to commercially produce and sell monazite into the world market. As Byron W. King said, "This has been a fabulous interview."

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

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Multitasking across the critical material supply chain, Auxico Resources is focused on rare earths in Colombia

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Every once in a while, I get to discuss a company of which it is hard to capture the true essence. For the most part, when we look at junior mining (exploration and early development) companies, they are focused either geographically or by resource, but one way or the other, they are a junior mining, basically exploration, company. Occasionally, they are also dabbling in special or creative ways to process the particular ore at the heart of their operations. But today we are going to dig into a company that does all of the above, as well as getting into the marketing and sales of the finished products, whether it be theirs or not. And at first glance, it's almost hard to tell which opportunity has the most upside. Given my background, my bias is the marketing side of things, but I will try and keep an open mind as we dig into this interesting and

somewhat unique company.

Without further ado, let's have a look at [Auxico Resources Canada Inc.](#) (CSE: AUAG), which is a combination project generator, miner, processor and marketer all rolled up into one. Auxico is a Canadian company, founded in 2014 and based in Montreal, engaged in the acquisition, exploration and development of mineral properties in Colombia, Brazil, Bolivia, Mexico, the Democratic Republic of the Congo and the Ivory Coast (so far). Across these countries, Auxico is involved in gold, silver, coltan (which I had never even heard of before but is a dull black metallic ore from which the elements niobium (aka, columbium) and tantalum are extracted), iridium, tin, manganese and last but certainly not least a full basket of Rare Earths.

Perhaps you might be starting to get a feel for why this is a tough Company to talk about but wait there's more...a lot more. The Company has numerous agreements in place to market various products to generate cash flow today, which is not typical for a junior mining company. A great example is [manganese ore sales from Brazil](#) to India, China and the UAE. Auxico has purchased and sold a total of 15,000 metric tons of manganese ore, with a minimum grade of 46% Mn (~15% net profit margin), as part of two contracts with customers to provide for shipments of up to 120,000 MT per month cumulative of manganese ore. Additional marketing agreements include an [MOU for exploitation and commercialization](#) of tantalum, niobium, iridium and tin from industrial sands located in Bolivia, and an [LOI for the exploitation and trading](#) of tantalum and iridium in Ivory Coast. These and other similar arrangements serve the company in two ways. As noted, it provides a source of revenue to the Company, so they don't always have to go to the market and raise cash to drill more on their exploration properties and it gets them into the deal flow to potentially acquire interests in some of these mining plays if they so desire.

I also made mention early about being an innovator on the processing side of the equation. On July 30th Auxico [signed a technology license agreement](#) with Central America Nickel for the use of a patent-pending ultrasound assisted extraction process (“UAEx”) for mineral extraction. The UAEx process is a sustainable metallurgical process for the refining of critical minerals using ultrasound technology. In particular, artisanal gold miners, who produce an estimated 15 million ounces of gold yearly, use mercury in their process plants. The UAEx process is able to extract gold and silver in less than one hour in a closed-loop system and does not use cyanide or mercury, which can solve the environmental issues created by artisanal mining. Additionally, this process will dramatically reduce capital and operating costs as most known metallurgical processes that use sulfuric acid, cyanide or hydrochloric acid do so in a 24-hour cycle. As you could well imagine, this could be Auxico’s diamond in the rough, but it might not even be the most exciting aspect of the Company.

I think I’ve saved the best for last, at least as things currently stand for Auxico, and that’s the rare earths project in Columbia. Auxico has [discovered high-value rare earths](#) with total rare earth oxide content over 56% at the Company controlled Vichada property. And if that’s not good enough, they’ve also [discovered platinum group metals](#) on the property along with tantalum, niobium and tin. The Company has an MOU agreement with the Colombian company Minampro Asociados S.A.S., to earn a 70 % interest. Auxico’s partner has an exclusive purchase agreement for industrial sands within 20,000 hectares of land owned by the indigenous community Guacamayas-Maipore.

The graph below is an eye opener:



Source: Auxico Resources MD&A for the period ended June 30, 2021

My head is starting to spin thinking about all the things on the go at Auxico so I will leave it here for now. To summarize they have impressive exploration prospects, a sustainable, environmentally friendly mineral extraction process, and marketing agreements that are already generating revenue. That's quite a bit going on for a company that currently has a market cap of roughly \$84 million. I don't think I'd even know where to start to try and value all the various parts, but the Colombian assets have definitely caught my eye.