

# Peter Cashin on Imperial Mining's newly discovered high-grade scandium zone

written by InvestorNews | January 12, 2023

Chris Thompson interviews [Imperial Mining Group Ltd.](#)'s (TSXV: IPG | OTCQB: IMPNF) CEO and President Peter Cashin about an update on their Crater Lake Project in Quebec. Speaking about their newly discovered [high-grade scandium zone](#), Peter explains how the discovery will positively impact the economics of the Crater Lake Project.

Peter goes on to provide an update on their [collaboration agreement](#) with Développement Economique Sept-îles Inc to establish Imperial Mining's scandium, rare earths and scandium-aluminum master alloys facility within the boundaries of the City of Sept-Iles. Recognized as a critical mineral in the US, Canada, Australia, and EU, Peter discusses how adding very small quantities of scandium to aluminum increases strength by up to 800%. Peter also provides an update on Imperial Mining's recently closed [private placement](#) which added new high net worth international investors as shareholders.

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

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## About Imperial Mining Group Ltd.

Imperial is a Canadian mineral exploration and development company focused on the advancement of its technology metals projects in Québec. Imperial is publicly listed on the TSX Venture Exchange as "IPG" and on the OTCQB Exchange as "IMPNF"

and is led by an experienced team of mineral exploration and development professionals with a strong track record of mineral deposit discovery in numerous metal commodities.

To learn more about Imperial Mining Group Ltd., [click here](#)

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## **Peter Cashin on the increases in scandium and rare earths recoveries on Imperial Mining's Crater Lake Development Project**

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In this InvestorIntel interview, host Tracy Weslosky talks to [Imperial Mining Group Ltd.](#)'s (TSXV: IPG | OTCQB: IMPNF) President and CEO Peter Cashin about a [recent announcement](#) on the increases in scandium and rare earths recoveries on its Crater Lake Development Project in Quebec.

Peter says: "We are also doing additional work to convert some of the inferred resources into indicated (resources). And in doing that work – we've actually found areas of mineralization that are thicker than we had anticipated. So it's probably going to add to the bottom line as well." He goes on to provide an update on the progress Imperial Mining has made to move the Crater Lake project towards a Feasibility Study. Peter also

talks about the use of scandium in lightweighting applications to make vehicles fuel efficient and extend battery range in electric vehicles.

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## **Imperial Mining's Quebec scandium play is aluminum's best friend**

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To me scandium sounds like it should be a country between Finland and Sweden in the Baltic Sea, but then again a lot of people have considered some of my thoughts pretty strange.

However, scandium is becoming a critical metal of growing importance in aluminum alloys for auto, commercial aircraft, military armor and EV development, significantly reducing weight and manufacturing costs. It's used as a hardener and strengthener of common aluminum alloys, which are also heat and corrosion resistant. Its weight reduction applications in the automotive, aerospace, fuel cell and defense sectors in turn help reduce the overall carbon footprint by making aircraft and vehicles lighter and more fuel-efficient with lower emissions. Because of these tremendous applications, demand is expected to grow considerably from the current 35 tonnes per annum of product availability to western markets to as high as 2,000 tonnes by 2040.



Source: Imperial Mining Group [Corporate Presentation](#)

Obviously, I don't need to comment on the importance of supply chains, "on-shoring", etc. in light of what the world has seen over the last year or two. We'll suffice it to say that domestic is better. Which leads us to today's topic of conversation – [Imperial Mining Group Ltd.](#) (TSXV: IPG | OTCQB: IMPNF). Imperial is a Canadian mineral exploration and development company focused on the advancement of its [Crater Lake scandium-Rare Earth property](#) led by an experienced team of mineral exploration and development professionals with a strong track record of mineral deposit discovery in numerous metal commodities. The Company also has a pair of gold prospects, [Opawica](#) and [La Ronciere](#) all in Quebec.

However, what makes Crater Lake so special is that it is the only hardrock scandium deposit in the world and happens to be in the mining friendly jurisdiction of Quebec, close to hydroelectric capacity and Quebec's aluminum metal production where 90% of Canada's "Green" aluminum is produced. As well, it

is looking like Bécancour in Quebec is becoming Canada's battery cathode manufacturing hub with recent announcements from BASF regarding a [cathode active materials and recycling site](#) to support North American producers in their transition to e-mobility and [General Motors and POSCO Chemical's \\$400 million facility](#) to produce cathode active materials for vehicle batteries. It would appear that Imperial could borrow a line from the real estate business and say their project is all about location, location, location.



Source: Imperial Mining Group [March 15, 2022 Press Release](#)

It also doesn't hurt that Crater Lake already has 43-101 compliant resource estimate. In September Imperial received the inaugural [NI 43-101 Technical Report for the Crater Lake](#) TG Zone Mineral Resource Estimate.



Source: Imperial Mining Group Ltd. [press release Sep 23, 2021](#)

The results of the Resource Estimate for the Northern Lobe of the TG Zone far exceeded the minimum threshold resource Imperial internally set for a 20-25-year notional mining operation, or 10 million tonnes. And the good news is mineralization remains open laterally and at depth, demonstrating the potential to increase the mineral resource with additional drilling.

The Company has plenty of catalysts over the next several months to keep the news flow coming for investors. Work on a 43-101 Preliminary Economic Assessment (PEA) on the TG Zone scandium-rare earth zone resource is progressing and is expected to be completed in the next few weeks. A diamond drill program on the TG Zone (Northern Lobe and Southern Lobe) will commence in late June with up to 22 diamond drill holes for approximately 2,500

m. In addition, there is excellent potential to expand the mineral resources with further drilling on the Southern Lobe. In late Fall 2022, the new drill hole data from the summer program will be forwarded to a consultant to revise and update the previous 43-101 Resource Estimate of the TG Zone. This revised resource will allow Imperial to move forward with a Pre-Feasibility (PFS) or Feasibility (FS) Study.

During Summer 2021, Imperial collected a 50-tonnes bulk sample for use in a pilot plant study. It is expected that the remaining 32-tonnes will be shipped to Sept-Iles, QC by the end of July 2022 to be used in a pilot plant study to further test and optimize Imperial's patent-pending metallurgical process method. Additionally, Imperial has commissioned a hydrometallurgical flowsheet development program based on its patent pending two-stage hydrometallurgical method for the extraction of scandium and rare earth elements with SGS Canada. The program, which started on January 31, 2022, is partially financed from a [\\$245,355 grant](#) from the Quebec Ministry of Energy and Natural Resources with expected completion at the end of Q3 2022. Results from the work will aid in the engineering design of Imperial's pilot program for the Crater Lake project for later in 2022.

As you can see, there is plenty on the go at Imperial Mining Group and the good news is they started May with C\$2.8 M in working capital and virtually no debt. The Company currently has a market cap of C\$14.7 million representing plenty of opportunities for a potential domestic supplier of an up and coming critical material.

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# Peter Cashin on Imperial Mining developing the highest-grade scandium deposit in the world in Quebec

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In a recent InvestorIntel interview, Tracy Weslosky spoke with Peter Cashin, President and CEO of [Imperial Mining Group Ltd.](#) (TSXV: IPG | OTCQB: IMPNF) about the scandium supply chain challenges and about Imperial Mining's [R&D initiatives](#) to work with a top alloy producer to develop new scandium-modified aluminum alloys and applications, as they work towards securing off-take agreements with strategic end-user partners.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Peter Cashin pointed out the limited scandium production capacity globally and went on to highlight that China and Russia are today the two primary scandium producers in the world. As “a North American source of the highest-grade scandium opportunity,” Peter highlighted the competitive advantages of Imperial Mining's Crater Lake Scandium-Rare Earth property located in Canada's aluminum capital – Québec. He went on to explain how scandium alloys can help reduce carbon footprint and also increase the range of electric vehicles making Imperial Mining attractive to ESG investors.

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

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## **Peter Cashin on Imperial Mining's high-recovery extraction process for rare earths and scandium**

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In a recent InvestorIntel interview, Tracy Weslosky speaks with Peter Cashin, President, CEO and Director of [Imperial Mining Group Ltd.](https://www.imperialmining.com) (TSXV: IPG | OTCQB: IMPNF) about Imperial's recent milestones including their new high-recovery extraction [process](#) for rare earths and scandium. Additionally, they discuss Imperial's [recent news](#) around their collaboration with Eck Industries to develop scandium-modified aluminum alloys.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Peter went on to say that Imperial is not just a scandium play as its Crater Lake Project has a diversified commodity base with

significant quantities of rare earths and niobium. He also provided an update on the latest [drill results](#) from Crater Lake and added that Imperial Mining's objective is to create a sustainable scandium supply chain.

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

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