

Dan Blondal Positions Nano One for Major Share in Expanding LFP Market

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During an engaging interview at PDAC 2024 with Tracy Weslosky of InvestorNews, Dan Blondal, CEO, Director, and Founder of [Nano One Materials Corp.](#) (TSX: NANO), shared insights into the company's innovative strides and strategic partnerships, notably with Sumitomo Metal Mining. Blondal described Sumitomo as a "fantastic class one partner" with extensive experience in cathode manufacturing and technology, highlighting the partnership's role in enhancing Nano One's position in the battery materials market. With a robust patent portfolio of 40 patents and over 50 pending, Blondal emphasized the importance of continuous innovation in strengthening the company's technological leadership and shareholder value. Government support, particularly from Sustainable Development Technology Canada (SDTC), totaling around \$25 million in funding, underscores the strong backing Nano One has received, further solidifying its stance in the industry.

Blondal highlighted three competitive advantages of Nano One: its unique position with the only North American LFP production facility outside Asia, its one-pot process that reduces cost, complexity, and environmental impact, and a strategic expansion plan aiming to deploy its technology globally through a "Design-Once-Build-Many" approach. These strengths, according to Blondal, place Nano One in a prime position to capture a significant share of the growing LFP market, which is crucial for electric vehicles and energy storage solutions. The feasibility study for Nano One's first commercial plant and the

progress at its Candiatic pilot plant exemplifies the company's commitment to scaling up its technology to meet global demands efficiently.

Blondal's vision for 2024 emphasizes expanding Nano One's customer base, advancing a feasibility study to solidify financial and operational plans for their commercial plant, and securing critical raw material supplies. This approach highlights the company's strategy to scale its patented technology, aiming for a significant impact on the electric vehicle and energy storage sectors, supported by robust partnerships and government engagement.

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

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About Nano One Materials Corp.

Nano One Materials Corp. (Nano One) is a clean technology company with a patented, scalable and low carbon intensity industrial process for the low-cost production of high-performance lithium-ion battery cathode materials. With strategic collaborations and partnerships, including automotive OEMs and strategic industry supply chain companies like Sumitomo Metal Mining, BASF, Umicore and Rio Tinto. Nano One's technology is applicable to electric vehicles, energy storage, and consumer electronics, reducing costs and carbon intensity while improving environmental impact. The Company aims to pilot and demonstrate its technology as turn-key production solutions for license, joint venture, and independent production opportunities, leveraging Canadian talent and critical minerals for emerging markets in North America, Europe, and the Indo-Pacific region. Nano One has received funding from SDTC and the Governments of

Canada and British Columbia.

To learn more about Nano One Materials Corp., [click here](#)

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Dan Blondal of Nano One Talks about the \$10M Gov't Grant to Accelerate the Cathode Plant Targeting NA Lithium-ion Battery Demand

written by InvestorNews | March 15, 2024

In this InvestorIntel interview, Tracy Weslosky talks to [Nano](#)

[One Materials Corp.](#)'s (TSX: NANO) Founder, CEO, and Director, Dan Blondal about being awarded \$10 million in non-dilutive, non-repayable contributions from Sustainable Development Technology Canada ("SDTC").

Using the funds to fast-track the conversion of its Candiatic lithium iron phosphate ("LFP") facility (North America's only LFP plant) to its patented One-Pot process, Dan explains how Nano One is progressing towards securing supply chains for the North American lithium-ion battery ecosystems.

Speaking about Nano One's strategic partnerships with Rio Tinto, BASF, Umicore, CBMM, and undisclosed automotive OEMs, Dan discusses how the Candiatic facility will help them accelerate licensing and offtake agreements that would then enable the Company to scale the facility larger and lead to commercial production and revenues.

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

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About Nano One Materials Corp.

Nano One Materials Corp (Nano One) is a clean technology company with a patented, scalable, and low-carbon intensity industrial process for the low-cost production of high-performance lithium-ion battery cathode materials. It employs approximately 120 people at its innovation and commercialization hubs in British Columbia and Québec, including the only LFP plant and production team in North America. It has strategic collaborations and partnerships, that include Rio Tinto, BASF, Umicore, CBMM, and various automotive OEMs.

Nano One's technology is applicable to electric vehicles, energy

storage, consumer electronics, and next-generation batteries in the global push for a zero-emission future. Its One-Pot process, its coated single crystal materials, and its Metal to Cathode Active Material (M2CAM®) technologies address fundamental performance needs and supply chain constraints; they also reduce equipment and raw material costs, operating expenses, and carbon intensity; and they eliminate a significant waste stream for a much-improved environmental footprint.

The Company aims to pilot and demonstrate its technology as turn-key CAM production solutions for license, joint venture, and independent production opportunities. This leverages Canadian talent, critical minerals, renewable energy, and a thriving ecosystem with access to large emerging markets in North America, Europe, and the Indo-Pacific region. Nano One has received funding from SDTC and the Government of Canada and the Government of British Columbia.

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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.

Dan Blondal on Nano One's breakthrough in lithium-ion cathode materials and the 'million mile battery'

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"The idea of a single crystal cathode has been around for a

while but the conventional methods for making them are very expensive. You want to spend as little time in the furnace as possible and we have developed a way to do that. Our crystals form very readily in the furnace and they self coat in the furnace so you don't have to have a secondary coating process. We have simplified the process. It is less complex and because the crystals form quickly we get an inexpensive way of making them that doesn't have the downside of spending too long in the furnace." States Dan Blondal, CEO, Director & Founder of [Nano One Materials Corp.](#) (TSXV: NN0), in an interview with InvestorIntel's Tracy Weslosky.

Dan went on to say that even with single crystal there is degradation but if you coat that single crystal the cathode material lasts four times longer. Dan further added, "by making the material more durable you can get many more charges out of it. The electric battery that goes into a car is somewhat restricted by the durability of the materials. If the material is not very durable then you have to make the battery a bit bigger. A more durable battery allows you to either drive a million miles which is important for taxi drivers, buses and utilities, or charge is much faster because as the battery is more durable it can take more aggressive charge or drive a little bit further everyday."

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

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Well partnered (and well-funded) with key battery suppliers, Nano One charges forward on 'Mission Possible'...

written by InvestorNews | March 15, 2024

Nano One secures an additional \$11 million in cash to provide a multi-year funding runway for their work on lithium-ion battery cathodes

For companies that are not yet producing revenues, the threat of running out of funding is a significant business risk. As the COVID-19 disruption deepens and some companies run low on cash, Nano One Materials has secured an additional \$11 million in funding which will provide them with "a multi-year runway extending over three years." This essentially removes the short-term funding risk making the stock a safer buy for investors.

[Nano One Materials Corp.](#) (TSXV: NNO) is working on making lithium-ion batteries better. Nano One has developed patented and scaleable industrial processes for producing low cost, high performance, battery materials typically used in the battery cathode. The processing technology enables lower-cost feedstocks, simplifies production, and advances performance for a wide range of cathode materials.

Nano One is working to make lithium-ion battery cathodes cheaper and better



[Source](#)

Nano One's recent funding success

- [\\$11m](#) raised from private and institutional groups
- [\\$5.25m](#) grant from Sustainable Development Technology Canada (SDTC)

In connection with the closing of the \$11m financing, Nano One issued 9,565,000 units at a price of \$1.15 per unit with each unit comprising of one common share in the capital of the Company (the "Shares") and one-half of one common share purchase warrant (the "Warrants"). Each whole Warrant is exercisable into one share at an exercise price of \$1.60 per until February 21, 2023.

The proceeds from the financing will be used for corporate development, facilities expansion, technology advancement and general working capital.

Nano One CEO Mr. Dan Blondal [stated](#):

*"We are thrilled with the capital market response to this latest placement. The proceeds from this financing will also be leveraged by an additional five million dollars in non-dilutive and non-repayable contributions, that was awarded to Nano One by Sustainable Development Technology Canada in May of 2019. **The sum of sixteen million dollars** enables us to accelerate business plans and co-development activities including those already underway with Volkswagen, Pulead, Saint-Gobain and other undisclosed global automotive interests."*

Note: Nano One also receives financial support from the National Research Council of Canada Industrial Research Assistance Program (NRC-IRAP).

Nano One – Why invest?



Nano One's development partners

Nano One is [very well partnered](#) into key battery suppliers and some car manufacturers, including several big names – Pulead, Saint-Gobain and Volkswagen. Nano One is working with Pulead to develop better LFP batteries, with Saint-Gobain to improve thermal processing and to develop enhanced high temperature cathode processing, and with Volkswagen to develop advanced materials for next generation batteries.

Apart from the partnerships discussed above and other undisclosed opportunities, Nano One has 16 patents with 30+ patents pending.

Nano One's business model

Nano One's goal is to achieve [up to \\$1 billion in licensing fees revenue](#) for their patented cathode technologies, by tapping into the rapidly growing cathode market that is forecast to be worth \$23 billion by 2025.

Nano One is tapping into the battery cathode market which is forecast to be worth \$23 billion in revenues by 2025



[Source](#)

Closing remarks

Nano One is ticking all the right boxes.

- Great patented technology – Check.
- Industry leading partners (Pulead, Saint-Gobain and

Volkswagen) – Check

- Funding secured (\$16 million in total) – Check
- Government backing – Check

With a potential up to \$1 billion licensing fees opportunity and a market cap of just C\$80 million, it is not too late for investors to get on board. If Nano One succeeds it will have been a great time for investors to have bought in now after the recent dip. Execution risk remains, but the rewards look large if Nano One can pull it off.

Nano One's Stephen Campbell on making better lithium ion battery material

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March 19, 2018 – “As the market expands drastically for battery electric vehicles there is a potential for looking at that technology again and we have a new process that we believe is much better, much more efficient and makes better material,” states Dr. Stephen Campbell, Principal Scientist for [Nano One Materials Corp.](#) (TSXV: NNO), in an interview with InvestorIntel's Peter Clausi.

Peter Clausi: Principal scientist implies a PhD. What is your doctorate in?

Stephen Campbell: It is in electrochemistry, semiconductor electrochemistry and fuel cells and batteries.

Peter Clausi: How long have you been in the field?

Stephen Campbell: 35 years.

Peter Clausi: And still learning every day.

Stephen Campbell: Always. Every day there is something new.

Peter Clausi: As principal scientist you guide a team of researchers at Nano One.

Stephen Campbell: I have a very great team of people in Nano One. They do great things.

Peter Clausi: How many people are on the team?

Stephen Campbell: 10 or 12 people.

Peter Clausi: What is the biggest project you are working on today?

Stephen Campbell: The biggest project we are working on is the commercialization of our process to make cathode materials for lithium-ion batteries. We have a number of different materials. The high-nickel materials is a big interest so is the high-voltage spinel materials.

Peter Clausi: Now the lithium-ion batteries have been in existence really since late 1970s, commercialized in early 2000s. You are saying you have a new process for the lithium side or the cathode side of the battery?

Stephen Campbell: The cathode material side of the battery, the technology that was invented in the 1970s. As the market expands drastically for battery electric vehicles there is a potential for looking at that technology again and we have a new process that we believe is much better, much more efficient and makes better material.

Peter Clausi: What is the difference?

Stephen Campbell: The difference is that the traditional way is very much a solid state reaction. The lithium and cobalt you just grind the two together and fire it whereas we mix our metals together in solution and then fire them all later so the firing time is much shorter.

Peter Clausi: Do you think they will make for a longer lasting battery?

Stephen Campbell: It should do because the homogeneity is really, really important and as materials get more complicated and the new materials that are coming out they are very, very much more complicated and so they need better control over how you make it and the solid state you really cannot do that.

Peter Clausi: Does that have the same memory fatigue that you find in other lithium-ion batteries?

Stephen Campbell: Similar, but it is better. They suffer from the same.

Peter Clausi: So the fatigue is actually less not better.

Stephen Campbell: Yes, it is. It depends how you say it. The battery is good, not bad.

Peter Clausi: How close are we to commercialization?

Stephen Campbell: Very close. We have a process. We have a pilot plant where it is scalable. We proved it...to access the complete interview, [click here](#)

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