

Boosting electric vehicles with artificial intelligence and leadership, a powerful combination for Exro Technologies

Two of the biggest trends this decade are electric vehicles (EVs) and artificial intelligence (AI). Together they make a powerful combination. Just take a look at the chart below for Exro Technologies Inc. (CSE: XR0 | OTCQB: EXROF) (“Exro”). Exro’s stock price is up over 400% in the past year, which coincides with the time that CEO Sue Ozdemir has been with the company.

Exro Technologies (CSE: XR0) stock price is up 413% over the past 1 year



Source

Exro Technologies is a software design technology and smart energy company that creates a software module called a “Coil Driver” that uses AI to make electric motors function better. In an electric car, the Coil Driver acts like gears do on a conventional car, boosting an EV motor’s range and performance by using two separate torque profiles for a motor. The first is calibrated for low speed and high torque, while the second

provides expanded operation at high speed.

Reflecting on the past year and why Exro has done so well

Over the past year Exro has made very significant steps in commercializing their technology, securing several significant partnerships along the way. Here is a brief summary of Exro's partners/agreements:

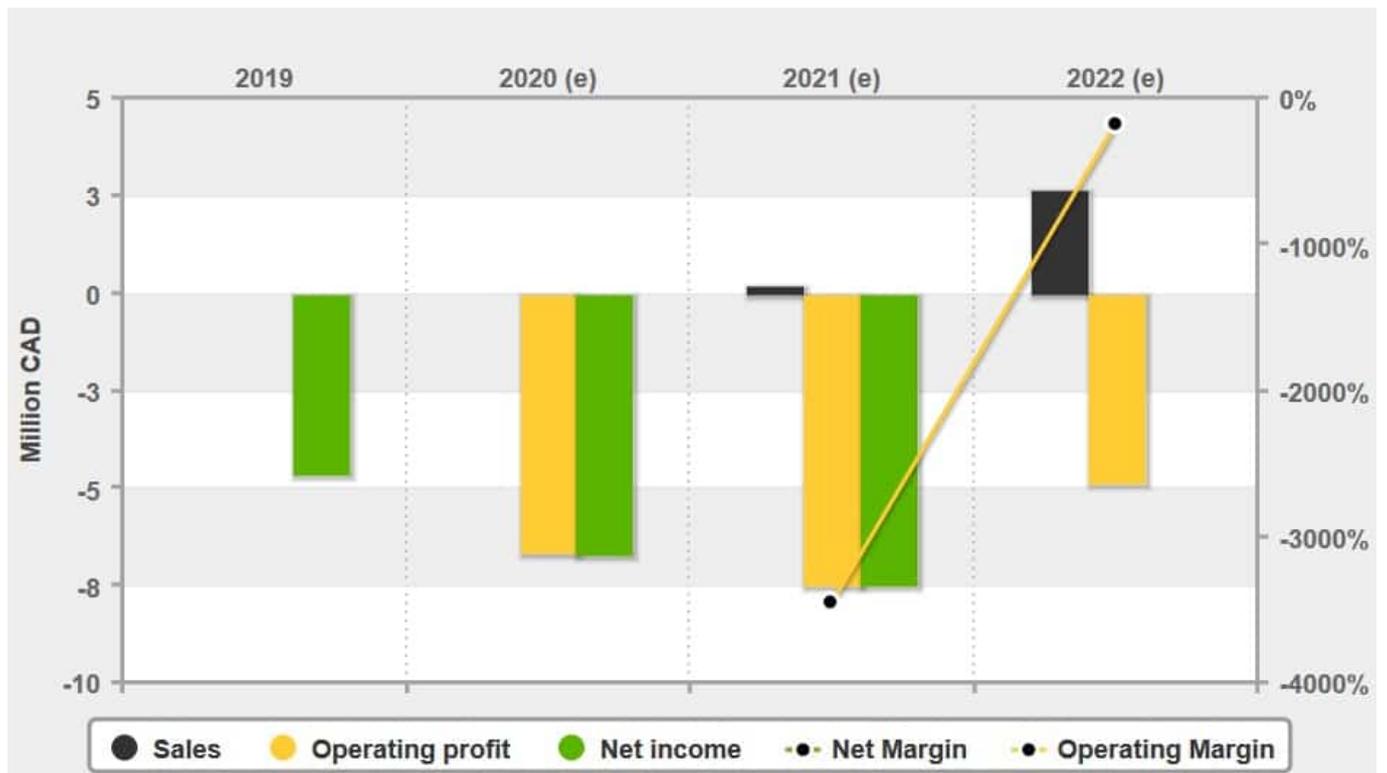
- **SEA Electric Pty Ltd.** – In July 2020, Exro announced a partnership to enhance electric powertrain technology for heavy-duty trucks and delivery vehicles.
- **Zero Motorcycles (“Zero”)** – In June 2020, Exro announced a collaboration agreement with Zero to evaluate Exro's patented Coil Drive technology using Zero's SR/S powertrain platform. Zero is a big name in electric motorbikes.
- **Clean Seed Capital Group Ltd.** – On April 28, 2020, Exro announced it has signed a collaboration and supply agreement with Clean Seed Capital Group Ltd. (TSX-V: CSX) to integrate Exro's technology into Clean Seed's high-tech agricultural seeder and planter platforms, advancing the electrification of the world's heavy-farm equipment.
- **Motorino Electric** – In December 2019, Exro partnered with Motorino Electric. Exro's engineered technology provided a torque and acceleration increase of 25% for the Motorino e-bike.
- **Templar Marine** – Exro has a pilot project running with Templar Marine's water taxis. The marine sector is a multi-billion dollar industry that can stand to benefit enormously from Exro's technology as they increasingly switch across to electric motors for a cleaner environment.
- **Aurora Powertrains** – Exro has partnered with Aurora to improve the Aurora's all-electric snowmobile.
- **Potencia Industrial** – Exro has contracts with Potencia Industrial, which is one of Mexico's leading motor

manufacturers. Potencia designs and manufactures special application, high efficiency, electrical motors and generators. One of their projects involves converting internal combustion engines in Mexico City's taxis to electric motors, as part of a city-wide initiative to green the city's 250,000 taxi fleet. Exro works to integrate its hardware and software technology into Potencia's motor drives. The Exro customized driver will be used as the inverter for Potencia's Pronto Power Flexible Powertrain.

"It's hard to believe that it has been a year since I joined Exro," said Exro CEO Sue Ozdemir. "The past 12 months has been so rewarding as we innovate and transform our business. We are positioning ourselves to become leaders as we use the power of our technology to transform the way the world looks at energy consumption. I believe we now have the ideal platform to be successful." As for future plans, Ozdemir said: "Our team is continuing to focus our attention on co-development with our partnerships. We have a strong pipeline and are optimistic in our ability to meet our commitment to eight deals by the end of 2020. Further, we are gaining global presence as our partners deliver applications in North America, Australia, and Europe."

As most experienced investors know it is one thing to have a good idea or product, but it is another thing to successfully market, commercialize, and make profits. Exro is already doing the first two, and revenue is forecast to soon follow in 2021, growing in 2022.

Exro Technologies financials and forecast financials



Source

Catalysts

In a September corporate update Exro set out the following near term events for the company:

“November 2020 – Delivery to Potencia (electric car application). This is an especially pivotal project for Exro as it will become the platform design, reducing design time for future partnerships. It also serves as our first in-car application, demonstrating our ability to transform the automotive power electronics industry.

December 2020 – the IBMS (Intelligent Battery Management System) proof of concept. With the research phase now behind us, this technology development will allow us to provide test bench data to support our simulations and confirm that we are able to provide a solution for first life batteries to be used in second life applications, such as stationary storage for example.

Q4 2020 – We expect the 8th deal will be yet another representation of the versatility and scope of our innovation. We put a lot of effort into how each partnership contributes towards our future growth plan. Finding partners that deliver a new segment, new geography or new application is part of securing our footprint in many market segments. This will position us for a robust and sustainable future.

Early 2021 (Q1) – Delivery to Zero Motorcycle (“Zero”) (electric motorcycle application).”

Closing remarks

There is no doubt that Exro Technologies has had a busy year. Their technology is clearly being very well received by the market and the steps to commercialize the technology are now being put in place. When we consider the massive size of the electric motor market, in particular the new and surging demand for EVs, it is not surprising when Exro CEO Sue Ozdemir says “we have a lot of room for growth”. I think that is a huge understatement.

For their investors it has been a great year. Given that Exro trades on a market cap of just C\$114m, if they succeed in the next step of rapidly raising revenues, this could be just the beginning. I will be very interested to see how Exro Technologies goes over the year ahead.

Exro stock has powered 177%

higher YTD, as investors see the potential

I last wrote on Exro Technologies Inc. (CSE: XR0 | OTCQB: EXROF) here on InvestorIntel only 6 weeks ago, and I hope readers got onboard the stock. That is because the stock has since risen from C\$0.465 to C\$0.93 for an impressive 100% gain, in just 6 weeks. But wait, there's more! Exro Technologies stock price in 2020 has risen from C\$0.335 to C\$0.93 for a staggering YTD gain of 177%, all while COVID-19 disruptions have caused many small stocks to fall. Investors who read the November 2019 Exro article and bought Exro Technologies at C\$0.275 would be sitting on an incredible 238% gain.

Exro Technologies stock price is up a staggering 177% so far in 2020



The closing remarks of my May 1, 2020 InvestorIntel article stated:

“Exro Technologies is a small company going places. Their

technology fills an enormous niche demand, especially in the growing world of better electric motors, notably for EVs. The momentum of contracts in multiple sectors related to electric motors and the new innovation center opening soon will surely boost awareness and further contracts. **With a market cap of just C\$35 million, investors should not wait too long.**"

Indeed I am guilty of not focusing to buy Exro Technologies. I believed in the story but never made time to buy the stock. But the good news is that the EV boom is only just beginning and any price pullbacks should be a great opportunity to buy into this exciting innovative company.

Exro Technologies Inc. is a software design company that creates an electric program module, effectively a computer chip, which communicates directly with an electric motor and powertrain. The module uses a machine learning algorithm that integrates into the power electronics and essentially acts as the 'brains' of the system, adjusting the output of the electric motor when needed. Or in layman's terms **the module acts as the gears for the EV**. This is needed to optimize the performance of an electric motor's output, similar to how gears work in a conventional vehicle.

Exro has been rapidly gaining industry acceptance. This will only increase with their soon to open Calgary Innovation Centre, where Exro can demonstrate their technology directly to potential customers.

Exro Technologies is leading an 'intelligent revolution', here are some contracts won by Exro Technologies:

- **Electric boats** – Exro has a pilot project running with Templar Marine's water taxis. The marine sector is a multi-billion dollar industry that can stand to benefit enormously from Exro's technology as they increasing switch across to electric motors for a cleaner environment.

- **Electric bikes** – Exro has partnered with Motorino Electric. Exro’s engineered technology provided a torque and acceleration **increase of 25%** for the Motorino e-bike. Motorino is now performing extensive field tests on the Exro-enhanced e-bike to confirm Exro’s preliminary results. Josh Sobil, Chief Commercial Officer of Exro, stated: “Our goal is to revolutionize the performance of electric motors around the world with Exro: To make them operate faster, stronger and last longer.”
- **Snow mobiles** – Exro has partnered with Aurora Powertrains to improve the Aurora’s e-sled all-electric snowmobile.
- **Electric motors/generators** – Exro has contracts with Potencia Industrial who design and manufacture special application, high efficiency, electrical motors and generators. One of their projects involves converting internal combustion engines in Mexico City’s taxis to electric motors, as part of a city initiative to green the city’s 250,000 taxi fleet. Exro jointly works to integrate its hardware and software technology into Potencia’s motor drives.
- **Electric farm equipment** – On April 28, 2020, Exro announced it has signed a collaboration and supply agreement with Clean Seed Capital Group Ltd. (TSX-V: CSX) to integrate Exro’s technology into Clean Seed’s high-tech agricultural seeder and planter platforms, advancing the electrification of the world’s heavy-farm equipment.

In a recent exclusive InvestorIntel interview with Exro Technologies CEO Sue Ozdemir stated:

“I think what we bring to the table that is really different from anybody else is that we are looking at how we control efficiency through the power electronics, but working with the motor. We are looking at that complete system optimization. **By**

doing that we have got this huge market that is interested in what we are doing. It doesn't matter if you are into green technology or motors or power electronics. We are kind of covering all three of it."

As Exro grows the Company has been bringing on new expertise including ex Siemens engineer Josh Sobil in the role of Chief Commercial Officer.

Near term catalysts for Exro will be the Potencia final testing and delivery to customers, including the first 'proof of concept' of Exro Technology in an electric vehicle. Beyond that Exro hopes to win further contracts from a number of clients that they are currently in discussions with.

Closing remarks

Once again investors should take note of this highly innovative company that is making tremendous progress in the world of optimizing the performance of electric motors. Just as regular cars need a gear box, EVs need a 'software gearbox'. This is in essence what Exro Technologies provides.

After a staggering 177% run up in the stock price investors could see if the stock cools off a bit. But with a growing suite of contracts, a new innovation center about to open, and a market cap of just C\$77 million in the multi-billion dollar growth sector of EVs; once again I would not be waiting too long to buy.

Of course this is not advice, but rather an information service, so investors should do their own research and due diligence. It will be most interesting to see where Exro Technologies goes from here in 2020.

EXRO's CEO on deal with Clean Seed Capital to advance electrification of farm equipment

"I think what we bring to the table that is really different from anybody else is that we are looking at how we control efficiency through the power electronics, but working with the motor. We are looking at that complete system optimization. By doing that we have got this huge market that is interested in what we are doing. It doesn't matter if you are into green technology or motors or power electronics. We are kind of covering all three of it." States Sue Ozdemir, CEO of Exro Technologies Inc. (CSE: XRO | OTCQB: EXROF), in an interview with InvestorIntel's Tracy Weslosky.

Sue went on to provide an update on Exro's collaboration and supply agreement with Clean Seed Capital Group Ltd. to integrate Exro's technology into Clean Seed's high-tech agricultural seeder and planter platforms, advancing the electrification of heavy-farm equipment. Sue said that Clean Seed is an industry expert in the agricultural segment. Agriculture still has 45% of the industry using non electric methods. With the Clean Seed deal, Sue said, Exro will be able to show scalability of its technology for the entire mobility industry. Sue also provided an update on Exro's partnership with Motorino Electric. She said that Exro has delivered the first Exro-powered e-Bike to Motorino. Exro's engineered technology provided a torque and acceleration increase of greater than 25% for the Motorino e-Bike.

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

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The Perfect Market Storm: Critical Materials, Cleantech and COVID-19

There seems to be a misguided notion (with some) that isolation means we have more time to waste. Far from reality, I am certain that many of you, like me are looking at your inbox wondering where or how to wade into the depth of quality deals and opportunities upon us...

Would like to kick your morning coffee off with a special nod to our longstanding friends from Avalon Advanced Materials Inc. (TSX: AVL | OTCQB: AVLNF) whose \$AVL soared 50% yesterday. We have been supporters of #Avalon since Don Bubar first did an interview with me in 2009 (with Jack Lifton) and introduced me to rare earths. And indeed, there is news flow in the rare earths a-n-d throughout the critical materials sector that is literally ricocheting from source-to-source online...

How to follow?

Jack Lifton, Clint Adam Smyth and I just launched the TechnologyMetals.com site to manage the influx of critical materials' news (and experts) we are communicating with regularly. Jack's interview with Dr. David Dreisinger on Search Minerals Inc. (TSXV: SMY) last week was purely outstanding (in my opinion) as he describes David as "the leading authority on solvent extraction process". This is a hot topic that we touch on in our weekly update that we just

started...click here to access a preview

And associated technologies relating to cleantech? We saw Exro Technologies Inc. (CSE: XRO | OTCQB: EXROF) stock move up 30% yesterday! Interviewing CEO Sue Ozdemir on how Exro makes “electric motors faster, stronger and greener” for InvestorIntel on Wednesday: we will get this up live as fast as we can!

Uranium continues to maintain a much-deserved interest, let me point you in the right direction for a quick update – Matt Bohlsen’s piece from last week titled, The DoE’s plan to rebuild the uranium sector and ‘pull America’s nuclear industrial base back from the brink of collapse’... reinforces the sustainability themes we are touting on the Technology Metals Show. Arranging interviews as we speak with Mark Chalmers of Energy Fuels Inc. (NYSE: UUUU | TSX: EFR) and Jeff Klenda of Ur-Energy Inc. (NYSE: URG | TSX: URE) as they “stand to be the major beneficiaries, especially given they started the whole S232 petition back in January 2018” you should see those live on InvestorIntel next week.

And yes, we are following the biotech and life sciences market. If you subscribe to our AI driven market updates on InvestorChannel.com – you can catch the 20 companies, we are following in the race for vaccinations...click here

Speaking of AI technology, we would like to ensure that you are aware of the news that was put out by Predictmedix Inc. (CSE: PMED | OTCQB: PMEDF) yesterday titled – Predictmedix Files Patent for Mass Screening for Infectious Diseases Such As #COVID19



1 YR stock Chart for Predictmedix Inc. (CSE: PMED) – Source: TD Waterhouse

And speaking on the war against the COVID-19, StageZero Life Sciences Ltd. (TSX: SZLS) put out the following news on April 20th StageZero Life Sciences Initiates Testing for COVID-19 In the USA

Remember, click [here](#) to subscribe to the InvestorChannel for daily market updates on the Canadian, US and Hong Kong markets – and to follow InvestorIntel’s stock watchlist for Gold, Uranium, Rare Earths and of course, COVID-19..