

Exro continues to move higher as they provide battery control systems for second-life battery storage

Exro's Coil Driver has been shown in a 2020 case study to improve power and efficiency by more than 30%

The story of Exro Technologies Inc. (TSXV: EXRO | OTCQB: EXROF) ('Exro') just keeps getting better and better. Exro's stock price is up well over 10 fold (C\$0.50 to C\$7.17) the past year and Exro has been upgraded from the CSE to the TSX-V exchange. Exro's business has continued to expand to include both electric motor management and now battery management. Added to this Exro continues to commercialize its technology with agreements and sales across different EV sectors.

Exro's first technology (Coil Driver) acts like gears on a car to improve the overall performance of an electric motor across different speed ranges, typically in an electric vehicle (EV) or generator. The Exro Coil Driver uses Artificial Intelligence (AI) to optimize the output of an electric motor at different speeds. This makes the technology highly sought after in the world of EVs. Or, as Exro states:

"Exro's Coil Driver dynamically enables multiple power settings in a single motor using next generation power electronics....Equipped with advanced power electronics, the Coil Driver can drive any AC motor with increased performance in a wide range of applications up to your peak power."

Commercialization progress for Exro and a new vertical (second

life battery control system for energy storage)

On February 9, 2021, Exro announced a strengthened collaboration with SEA Electric that will expand on the coil driver commercialization in SEA Electric's Class 6 to Class 8 trucks. The partnership also aims to accelerate the development of **Exro's Battery Control System ('BCS')** and to facilitate second-life battery storage, by H2 2021.

Exro states: "The agreement expands on the initial scope to commercialize the Exro Coil Driver in SEA's electric trucks to now include a Class 8 electric truck for the Canadian market and volume production targets of 400 trucks minimum by the second-year post validation."

The Battery Control System news follows on from earlier news that Exro validates intelligent battery technology for second-life applications. This means that Exro is now expanding into a new vertical, battery control systems, and 'second life' for batteries used in energy storage. 'Second life' refers to a secondhand battery that still offers a useful 'second life' in another application, such as energy storage (the first application may have been in an EV).

Energy storage is potentially one of the fastest-growing areas this decade. Second-life energy storage is forecast to grow at a CAGR of 23.1% from 2020 to 2030. In the U.S., President Biden wants 100% carbon-free electricity by 2035. This means smart nuclear, solar and wind energy will boom. Solar and wind energy will need energy storage to make them fully effective.

Exro state about their battery control system:

"Exro's Battery Control System (BCS) can expand the capabilities of batteries by enabling a greater depth of control on the cells. The cells remaining in a battery at the end of the first life can be optimized to rejuvenate the same battery into a new second life. The BCS can establish a greater depth of control on battery cells because the same

principles that govern coil groupings in electric motors can also apply to managing cells in a battery.....The BCS can lead the rapidly growing energy storage markets by extending battery life, increasing reliability, and reducing total costs.”

Exro Technologies now has two key technologies – Coil Driver for electric motors and a battery control system for second life energy storage



Exro's technology aims to pioneer the way energy is managed as the world transitions to electrification with electric motors and batteries.

The Exro Coil Driver is the first of its kind in the motor and drive technology field. With the intelligence to reconfigure electric machines in real-time, our patented technology expands the capabilities for electric powertrain systems. Utilizing intelligent coil switching, the Coil Driver can improve performance and efficiency while reducing costs.

Our technology can help make the **highest performing vehicles in the world.**

Source

Other recent news highlights Exro's progress and success towards commercialization

- Feb. 4, 2021 – LAND Electric Motorcycles to order up to 2,000 coil drivers from Exro in the first year. LAND is a fast-growing player in the emerging lightweight electric motorcycles market. LAND's CEO Scott Colosimo stated: "We believe integrating Exro's Coil Driver technology with our product will allow LAND to achieve best-in-class performance and efficiency."
- Feb. 3, 2021 – Exro's 100 Volt Coil Driver ready to ship to Potencia. Potencia will now do its own testing and provide performance validation results by early third

quarter 2021. Recall that Exro has contracts with Potencia Industrial, which is one of Mexico's leading motor manufacturers. One of Potencia's 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.

Closing remarks

Exro Technologies continues its success. In recent times this has meant new contracts for their coil drivers used in electric motors. Exro also now has a battery control system that has been validated to improve second battery life for use in the energy storage market.

As we move into the EV and energy storage decade, Exro Technologies is emerging as a potential leader with their ground-breaking technology to improve the performance of electric motors, generators, and now batteries. Exro certainly is a company in the right place at the right time.

The current market cap of Exro Technologies is now C\$689 million. Exro has opened their Calgary Innovation Center and is now well cashed up after a recent ~C\$42 million equity raise. Despite the incredible run so far in the Exro stock price, the future still looks very bright for Exro Technologies.

Exro Technologies on making EV motors smarter, through

next generation power electronics

It's a revolution!

If you believe the pundits, the internal combustion engine will be replaced in short order by electric vehicles (EV)...that's if you believe the pundits. BUT we can safely assume that the trend towards EVs is unstoppable.

Exro Technologies Inc. (TSXV: EXRO | OTCQB: EXROF) is working to make sure that happens. But it turns out, it's not as easy as you thought. **Just like the evolution of the internal combustion engine, electric motors also need to evolve – thank goodness for technology.**

Remember when cars used to have a carburetor? Darned things too...carburetor jets, bowl floats, one or two barrels etc. And how did you get better performance? You put on a bigger carburetor! Or two. Or more, all leading to way better performance but other complications (ask me how I know...). Then technology saved us and the same engine from the 1980s that received digital computer control (fuel injection etc.) now gets 30% or better fuel economy more horsepower and all sorts of adaptive gewgaws to make driving even more fun, or economical or whatever you need it for.

Surprisingly, the electric motor for transportation also needs a similar technology evolution. The basic design (still valid) of 100+ years ago can be improved and Exro is doing it. The company has been granted 17 patents with another 18 patents pending, so this team clearly knows what they are doing.

What is it? **Exro makes electric motors smarter, through next generation power electronics.** The company has developed a new controller that they call the "Coil Driver". It dynamically enables a single electric motor to have multiple power

settings using patented hardware and software. In real-time, measuring torque demand, one motor is now two different motors in the same case. The Coil Driver can automatically select the appropriate configuration so that torque demand and efficiency are optimized. A single motor can repeatedly change configurations on-the-fly and under demand to optimize performance at low speed or high speed. This is instead of having two motors for low or high-speed applications, gearboxes or other expensive technologies.

Wherever electric motors are used, this technology is applicable. It can be as small as scooters/e-bikes to electric busses and long-haul trucking (large) and everything in-between. The company has entered into eight commercial partnerships with leading companies in all of these segments. Imagine, a high-performance electric motorcycle, or an electric snowmobile. These are just two examples of end users of the technology, as the company continues to move forward with proof of concept across all segments. A widely anticipated application will be for use in EVs – the Coil Driver for an electric vehicle in Mexico City is expected soon.

Exro became public through a reverse takeover in 2017 and recently moved to the TSX Venture Exchange (TSXV). The company also raised new equity in July 2020, so the Company is funded for future development costs and ongoing R&D. While the immediate focus is transportation related, Exro is also making significant strides in battery management technology and generator technology. Generators are just like electric motors and can be similarly optimized to gain efficiency and performance, particularly in wind turbines. Thirdly, the company can use its intelligent energy management to improve battery technology to manage the charge and discharge levels of every cell in a battery pack. Using continuous adjustments, this will provide for a more efficient and longer life span, particularly given the concern for battery life and

replacement (and recycling) in EVs.

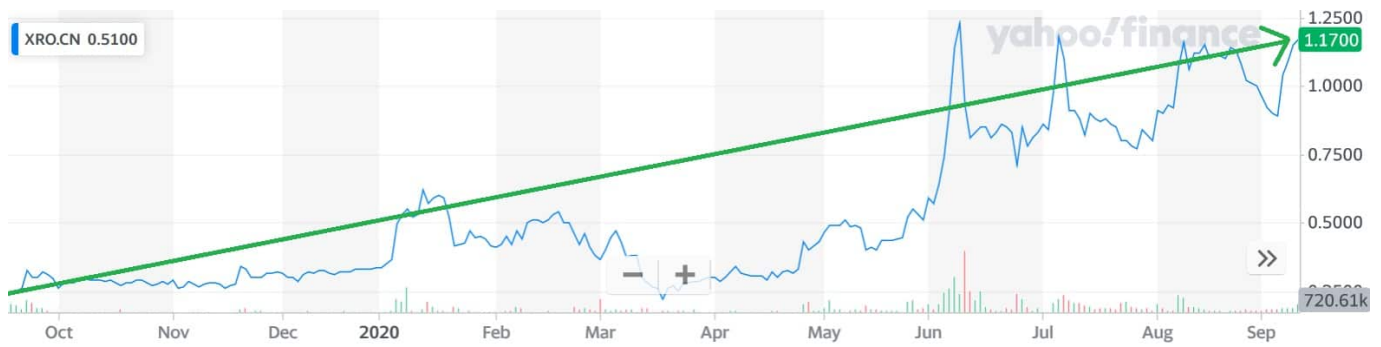
The company currently expects to be EBITDA positive in the second half of 2023. It currently has a market capitalization approaching C\$300 million, although this has seen a near-double as the company has had some positive news in the past two months. While it is too early to say that this is the company to own in your portfolio, management strives to be best-in-class through disruptive technology, perpetual innovation and a focused mission for intelligent electrification. They have clearly figured out electricity and multiple commercial partnerships with global corporations in everything from e-bikes to buses and long-haul trucks makes them the one by which all others will be measured.

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.

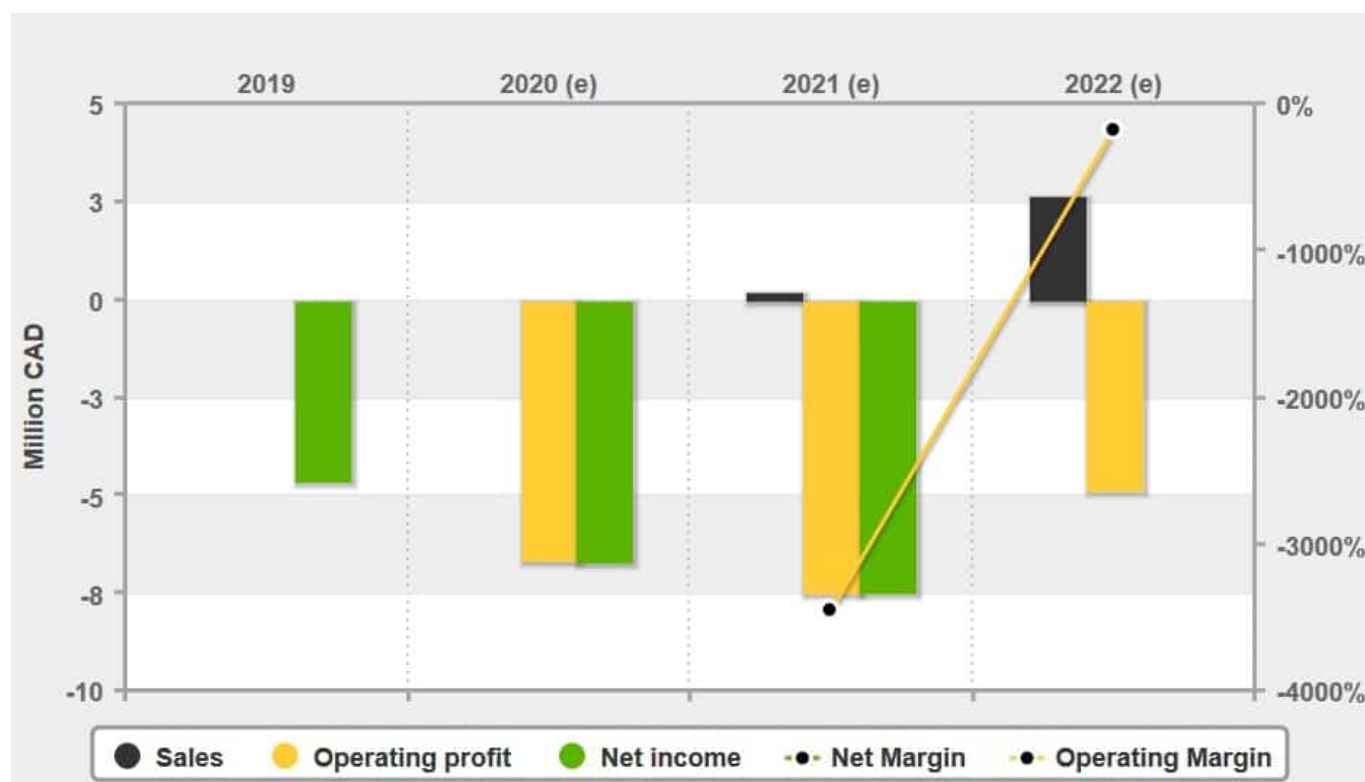
- **Motorino Electric** – In December 2019, Exro partnered with Motorino Electric. Exro's engineered technology provided a torque and acceleration increase of 25% for the Motorino e-bike.
- **Templar Marine** – Exro has a pilot project running with Templar Marine's water taxis. The marine sector is a 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.

Surge in electric vehicle sales, has investors eyeing Exro Technologies

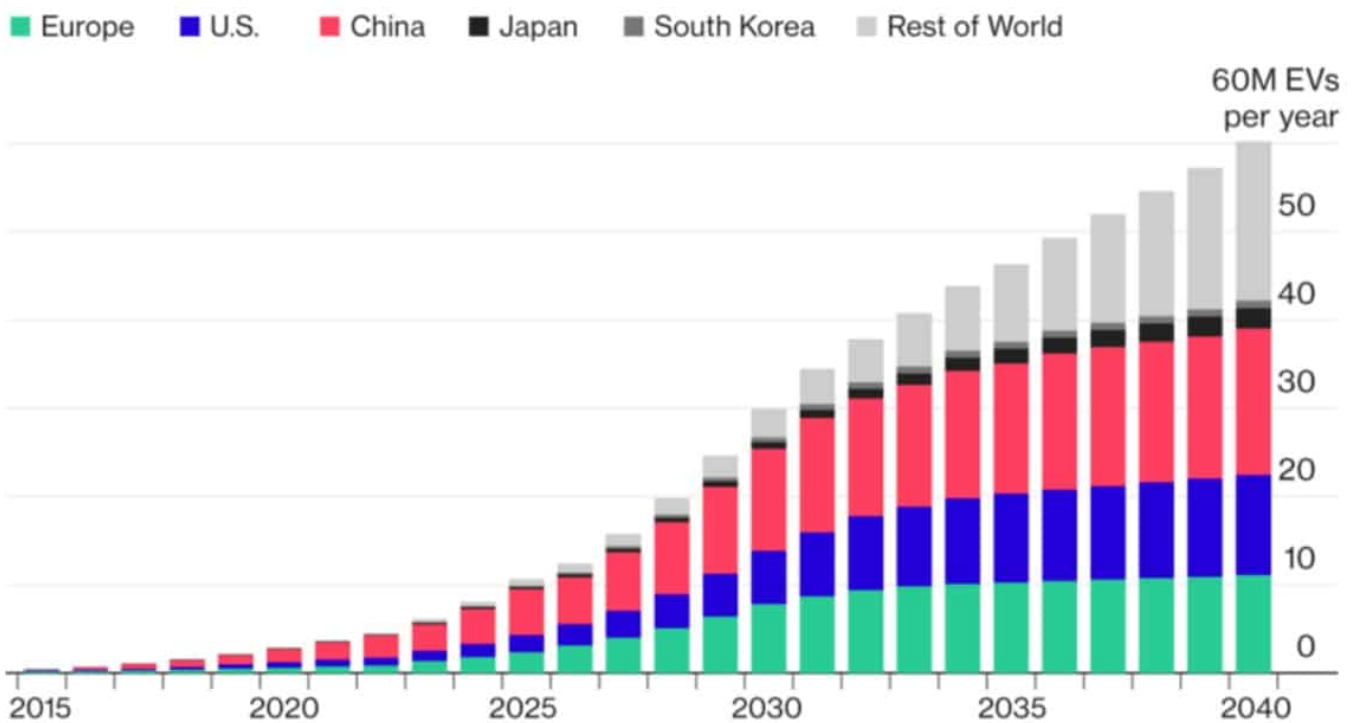
With the electric vehicle (EV) boom picking up pace recently investors are looking at EV related stocks that can benefit from the forecast surge in electric vehicle sales. Below I discuss a unique EV technology company that may well be at the center of the boom.

BloombergNEF 2020 forecast for annual electric vehicle sales give investors an idea of the tsunami that is on the way. BNEF forecasts annual electric car sales to rise from 2.2 million in 2019 (2.5% market share) to ~9 million by 2025 (10% share), 24 million by 2030 (28% share), and to a massive 54 million by 2040 (58% share). Added to this will be hundreds of millions of combined sales when including e-bikes, e-buses, e-semis, e-boats, e-trains, and some e-planes. The opportunity is enormous as shown in the chart below.

Global electric-car revolution set to take off – BNEF forecast

Global Electric-Car Revolution Set to Take Off

China set to lead EV market



Source

Exro Technologies Inc. (CSE: XR0 | OTCQB: EXROF) is a software design technology and smart energy company that creates an electric program module that uses Artificial Intelligence to make electric motors function better. The module integrates into the power electronics adjusting the output of the electric motor when needed, just like gears in a conventional car.

Exro's patented technology allows for multiple power settings in a single motor. This helps maximize the motors performance in terms of output and efficiency, thereby boosting a motors output and thereby performance and range. The technology enables 2 separate torque profiles within a single motor, hence the comparison with 'gears' on a conventional car. All this is done using a software module.

Exro's coil driver technology – 'Software with hardware solutions'

EXRO COIL DRIVER TECHNOLOGY

“SOFTWARE WITH HARDWARE SOLUTIONS”



Technology



CoilDriver

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Following a string of new partnerships across a range of different types of EVs over the past 2 years, Exro has recently succeeded again with a partnership to enhance electric powertrain technology for **heavy-duty trucks and delivery vehicles**. The partnership is with Australia's SEA Electric Pty Ltd. SEA Electric is recognized as a global leader in the electrification of commercial vehicles.

The news release states: “SEA Electric products are now deployed in 5 countries, with collectively more than 1.6 million kms (1 million miles) of independently OEM tested and in-service operation, making it widely recognised as the market leader in the electrification of commercial vehicles.”

Prior to this latest success, Exro has also achieved the following partnerships:

- **Electric motorcycles and bikes** – In June 2020 Exro announced a collaboration agreement (the “Agreement”) with Zero Motorcycles (“Zero”) to evaluate Exro's patented coil drive technology using Zero's SR/S powertrain platform. Zero are a big name in electric

motorbikes. Last year in December, Exro partnered with Motorino Electric. Exro's engineered technology provided a torque and acceleration **increase of 25%** for the Motorino e-bike.

- **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 increasingly switch across to electric motors for a cleaner environment.
- **Electric 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. (TSXV: 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.

Exro Technologies growing list of partners

EXRO'S PARTNERS

"My commitment is to close 8 strategic partnerships by the end of 2020." - Sue Ozdemir, CEO of Exro Technologies



Source: Exro Technologies Company presentation

Exro states: "Exro is set to close on 8 strategic partnerships and licencing agreements in 2020 that will position it for high volume manufacturing in the future. Currently, Exro has capacity for a low volume of manufacturing projects....The Company's commercialization and licensing strategy is centered around its Partner Development Phase, which incorporates partnerships with leading innovative motor companies in the industry."

Exro recently raised C\$8 million of new capital at C\$0.70 per share (plus a warrant exercisable at C\$0.90). The capital will be used for further research and development of the Company's coil switching technology for commercialization in the mobility segment including micro, light and commercial electric vehicle programs; marketing; capital investments and general working capital requirements.

Closing remarks

Exro Technologies has a tremendous opportunity ahead boosted by the impending EV boom led by Tesla. BNEF forecasts annual passenger electric sales to increase to 24 million by 2030,

which would be a ~11 fold increase on 2019 sales. What's even better for Exro is that they focus on improving the electric motor output and performance, so their technology is applicable across the entire range of EVs that will be coming.

Exro already has numerous agreements and contracts in place in electric motorcycles & bikes, electric boats, electric snow mobiles, electric motors/generators (being used for electric cars including e-taxis), electric farm equipment, and now electric heavy-duty trucks and delivery vehicles. As these partnerships mature, investors can reasonably expect Exro's revenues to rapidly increase. Their soon to open Calgary Innovation Centre should also boost future partnerships and sales.

Exro is now fully funded following an C\$8 million raise, so things can really speed up from here towards mass commercialization and revenues across all of the above sectors. Exro is still trading cheaply given their massive potential with a market cap of just C\$74 million. Stay tuned to Exro Technologies Inc.

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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Exro Technologies' \$EXROF up +43.92% in April with news on

the Clean Seed electric motors deal for farm equipment

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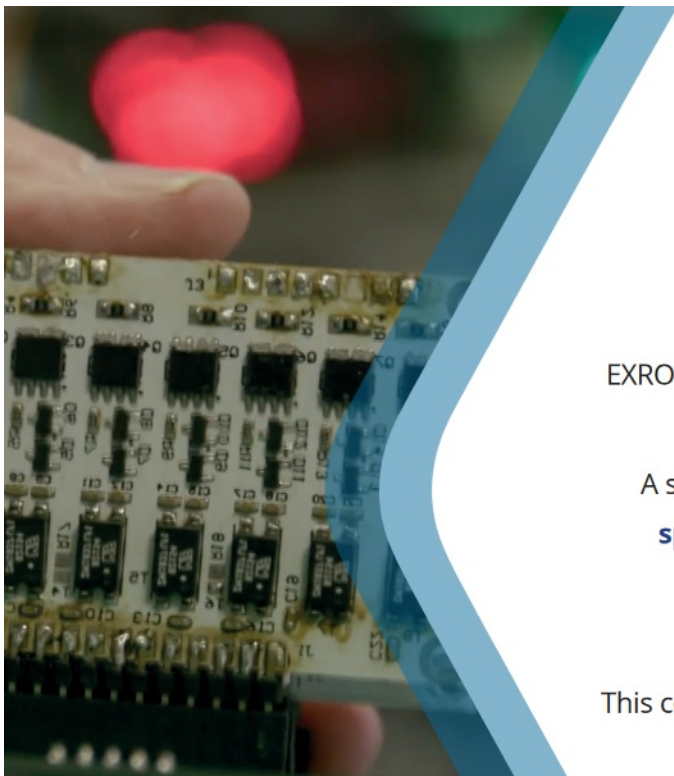
Exro's technology effectively unlocks the full potential of electric motors, to make them faster, stronger, and more efficient

The AI technology acts like an automatic gear box on a conventional car to maximize the performance, in this case on a electric motor. This can be used on an electric generator, electric vehicle (EV), or a wind turbine; wherever electric motors require better performance through a range of speeds.

A single motor can repeatedly change from a high speed to a high torque configuration on-the-fly, seamlessly, and under demand. It's all done electronically and automatically by the Exro module.

The technology is new and revolutionary, and much needed for the EV sector, which still relies on dual motors to get the best performance at low and high speeds without over-exerting the electric motor. Exro offers the solution and enables a single motor to deliver low-end torque and high-end speeds. This can lead to better performance and cost savings.

The Exro Difference



The Exro Difference

EXRO's technology performs a **coil switch** in real time as it learns the demands of the system.

A single motor can **repeatedly** change from a **high speed** to a **high torque** configuration **on-the-fly, seamlessly, and under demand.**

It's all done electronically.

This coil switch is **totally fluid**, the user in the vehicle or operating the machine doesn't feel a thing.

Source

Exro Technologies wins another new contract

On April 28, 2020, Exro announced it has signed a collaboration and supply agreement (the "Agreement") with Clean Seed Capital Group Ltd. ("Clean Seed") (TSXV: 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. Clean Seed, in collaboration with Exro, will be building a working prototype that will be implemented in the field by 2021.

Graeme Lempriere, Chief Executive Officer of Clean Seed, stated: "This worldwide exclusive collaboration and supply agreement with Exro will set new benchmarks in the electrification of agriculture."

Whilst this news is not as exciting as say a Tesla (TSLA) contract, the potential within the agricultural machinery sector is enormous. And of course this is just the beginning, as electric motors are everywhere and growing more popular day

by day. In particular high performance motors that need to run at slow, medium, and fast speeds will benefit most from Exro's innovative technology.

A CleanSeed smart Seeder CX-6



Source

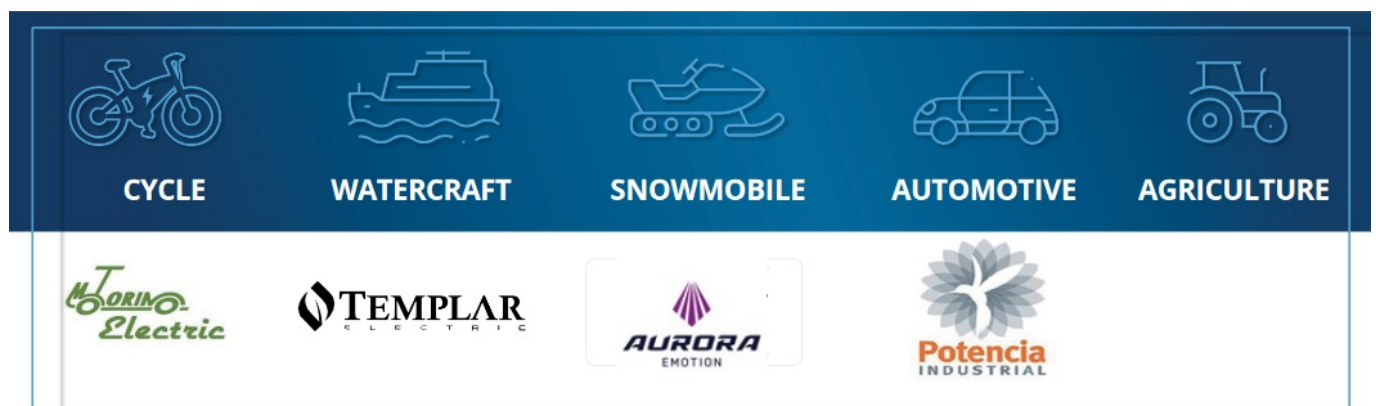
Other areas where Exro Technology are active and have won contracts recently

- **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 greater than 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

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Exro’s co-development projects



Source: Exro Company presentation

Exro is well funded after a recent oversubscribed capital raise

On April 28 Exro announced: “Further to its news releases dated February 6 and 14, 2020, it has closed the second and final tranche of its oversubscribed non-brokered private placement financing and raised \$4,299,590 through the issuance of 12,284,545 common shares (“Shares”) at a price of \$0.35 per Share.”

The funds raised will be used to fund development of the Company's current and new technology programs, the buildout of its new Calgary Innovation Centre, working capital and general corporate purposes.

The Calgary Innovation Centre

Exro plans to open an Innovation Center in Calgary, Canada. The purpose is to demonstrate how Exro dramatically improves the performance of the world's electric motors. The Exro Innovation Center (EIC) will also increase the Company's laboratory space, to expand its service capabilities to customers and showcase where Exro's technology can be applied to key sectors of the economy that rely on electric motors. The 6,500-sq-ft Calgary facility is currently being retrofitted and is scheduled to open very soon in the current Canadian spring season.

Closing remarks

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\$35m, investors should not wait too long.