

# Jim Payne of dynaCERT Explains Carbon Emission Reduction Technology in the Mining Industry

written by InvestorNews | March 29, 2023

In this InvestorIntel interview during PDAC 2023, Chris Thompson talks to Jim Payne President, CEO, and Director of [dynaCERT Inc.](#) (TSX: DYA | OTCQX: DYFSF) about the use of its Carbon Emission Reduction Technology ("CERT") in the Mining Industry.

Jim explains that the company's technology enhances the burn of an internal combustion engine and initially focused on diesel engines in transport trucks. However, the mining industry is now dynaCERT's largest market, and the company is seeing phenomenal results with its technology, improving fuel economy by 10-15% and reducing toxic gas emissions by over 50%, particularly NOx emissions, which are reduced by up to 88%.

Finally, he discusses how dynaCERT's technology is unique, producing hydrogen on demand from water through a patented electrolysis system that determines the proper flow rate of gas to maximize the burn and reduce emissions. dynaCERT's tracks the fuel economy and reduction in greenhouse gases with its proprietary HydraLytics Telematics and converts it into carbon credits, which is a big part of the company's future.

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

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## About dynaCERT Inc.

*dynaCERT* Inc. manufactures and distributes Carbon Emission Reduction Technology along with its proprietary HydraLytica™ Telematics, a means of monitoring fuel consumption and calculating GHG emissions savings designed for the tracking of possible future Carbon Credits for use with internal combustion engines. As part of the growing global hydrogen economy, our patented technology creates hydrogen and oxygen on-demand through a unique electrolysis system and supplies these gases through the air intake to enhance combustion, which has been shown to lower carbon emissions and improve fuel efficiency. Our technology is designed for use with many types and sizes of diesel engines used in on-road vehicles, reefer trailers, off-road construction, power generation, mining and forestry equipment.

To learn more about dynaCERT Inc., [click here](#).

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## **dynaCERT's Jim Payne on generating carbon credits and a 'fleet management system on steroids'**

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In this InvestorIntel interview, Byron W King interviews [dynaCERT Inc.](https://www.dynacert.com)'s (TSX: DYA | OTCQX: DYFSF) President, CEO, and

Director Jim Payne about dynaCERT's proprietary HydraGEN™ Technology. Proven to be effective in improving fuel economy and significantly reducing greenhouse gases in internal combustion engines, Jim provides an update on how six of the largest mining companies in the world [are adapting](#) dynaCERT's HydraGEN™ Technology.

Jim says that in addition to reducing particulate matter and toxic gases by more than 50%, dynaCERT's HydraGEN™ Technology results in up to 88% reduction in nitrogen oxides right at the combustion. With growing concerns around climate change, Jim discusses how "dynaCERT has a technology right now that can make a substantial difference" by reducing emissions. Describing dynaCERT's HydraLytics™ Telematics as a "fleet management system on steroids" that measures fuel savings and provides emission reduction, Jim explains how this technology generates carbon credits.

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

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diesel engines used in on-road vehicles, reefer trailers, off-road construction, power generation, mining and forestry equipment.

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## **Byron W King with Jim Payne on dynaCERT's \$10M of Carbon Credit Convertible Notes Offering**

written by InvestorNews | March 29, 2023

In this InvestorIntel interview, host Byron W. King interviews [dynaCERT Inc.](#)'s (TSX: DYA | OTCQX: DYFSF) President, CEO, and Director Jim Payne about how dynaCERT recently launched an offering of up to \$10,000,000 of Carbon Credit Convertible Notes under private placement exemptions in Canada. Providing an overview and update on how the Carbon Credits generated by *dynaCERT's* proprietary HydraGEN™ Technology works, Jim explains how Carbon Credit Convertible Notes offer a way to raise capital that is non-dilutive for shareholders.

In this interview, Byron has Jim explain how dynaCERT's proprietary HydraGEN™ Technology carbon emission reduction technology works and how it has been proven around the world. Jim adds that the carbon credits generated by HydraGEN™ Technology is data driven and is audited and certified by Verra

– one of the largest carbon credits certifying body, Verra. This exploratory interview touches on the impact of the reduction of carbon emissions from the logistics industry (trucking) and how dynaCERT is well positioned for both growth and revenue potential.

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

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# dynaCERT puts its carbon emission reduction technology to the test

written by InvestorNews | March 29, 2023

Getting companies to adopt climate change initiatives is no easy task. Many economists believe that carbon pricing – either through carbon taxes or cap-and-trade programs – is the most efficient way to reduce greenhouse gas emissions. Carbon taxes provide a financial incentive for businesses and households to reduce their energy use and switch to cleaner fuels.

Carbon pricing provides across-the-board incentives to reduce energy use and shift to cleaner fuels and is an essential price signal for redirecting new investment to clean technologies. The carbon emissions and credit game is tricky, but pricing carbon is critical in deterring fossil fuel use and reducing greenhouse gas emissions.

Technology is going to play a vital role in the facilitation of climate change initiatives. There is an enormous opportunity for companies with climate change and carbon credit technologies. [McKinsey](#) reported that the carbon credit market could be worth \$50 billion by 2050.

One company that has been involved in carbon credits and carbon reduction is [dynaCERT Inc.](#) (TSX: DYA | OTCQX: DYFSF). dynaCERT was one of the first companies to focus on carbon credits, and they have been working with [Verra](#), the largest governing body for carbon credits, for over two years. dynaCERT's Carbon Emission Reduction Technology (CERT) creates hydrogen and oxygen on-demand through a unique electrolysis system and supplies these gases to engines to enhance combustion, resulting in lower

carbon emissions and greater fuel efficiency.

Verra “[announced](#) to dynaCERT that it’s Methodology in respect of its Carbon Credit Certification has reached a new important stage.” This technology can be a significant benefit for companies looking to offset their carbon emissions, and dynaCERT is at the forefront of this rapidly growing industry.

[InvestorIntel interviewed](#) dynaCERT’s President, CEO, and Director Jim Payne about its recent efforts and technology to reduce carbon emissions and generate carbon credits. Payne is excited about the commercial prospects for his company’s innovative technology. He noted that several large corporations have expressed interest in using dynaCERT’s products to reduce their emissions. These companies are attracted by the potential for significant reductions in emissions – up to 50 percent – as well as the carbon credits that will be generated.

On [August 22nd](#), dynaCERT announced a new customer as both a showcase of their technology and one that could further their long-term prospects. The city of Timmins in Ontario, Canada, is committed to conducting a comprehensive pilot program to determine the city’s economic, social, and governance (ESG) objectives. As part of this program, the city has installed ten of dynaCERT’s HydraGEN™ units on various diesel-powered city vehicles. The units are expected to reduce fuel consumption, greenhouse gas emissions footprint, and carbon and NOx emission. Significantly, the pilot project will run and test the technology well into the Canadian winter months.

The program is planned to begin in September 2022, where equipped municipal vehicles will be analyzed to determine the impact of dynaCERT’s technology on emission reductions and fuel savings. The city expects to install HydraGEN™ Technology on buses, landfill equipment, garbage trucks, and other diesel-

powered equipment. The results of the pilot program will be closely monitored to assess the potential benefits of dynaCERT's technology for the City of Timmins, as well as a test case for other municipalities and potential commercial customers, which will be closely monitoring the results of the program in Timmins, which is considered a hub of the progressive mining and forestry community.

Although dynaCERT also recently announced the departure of two directors and a change of auditors, at publication date the company's stock has seen a steady increase over the past two weeks from \$0.10 to about \$0.22. There is clearly a growing appetite at many levels for carbon emission reduction technologies.

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## **Jim Payne of dynaCERT talks about creating fuel efficiency and generating carbon credits**

written by InvestorNews | March 29, 2023

In this InvestorIntel interview with host Tracy Weslosky, [dynaCERT Inc.](#)'s (TSX: DYA | OTCQX: DYFSF) President, CEO, and Director Jim Payne talks about its patented technology for carbon emission reduction to meet ESG goals.

In the interview, which can also be viewed in full on the InvestorIntel YouTube channel ([click here to access InvestorChannel.com](#)), Jim tells Tracy that "dynaCERT was going to be at the forefront of the carbon credit world long before

even carbon credit was something anybody was talking about.” He explains how *dynaCERT*’s Carbon Emission Reduction Technology (CERT) creates hydrogen and oxygen on-demand through a unique electrolysis system and supplies these gases to engines to enhance combustion, resulting in lower carbon emissions and greater fuel efficiency. Jim says that *dynaCERT* has been working with Verra, the largest governing body to approve and register carbon credits, for over two years.

Talking about commercializing and expanding *dynaCERT*’s customer base, Jim continued, “we have some of the largest companies in North America that have been talking to me for quite some time. They want they want the carbon credits, they want the bragging rights, they want to be able to say that they have adopted our technology for the carbon credits.” These include municipalities in Canada and in Europe and some of the largest power supply companies in Canada, and also fleets of diesel vehicles. “We improve the fuel economy, more importantly we reduce the emissions right at the source, right at the combustion and we reduce the emissions north of 50 percent,” he says. “By adopting our technology they meet and exceed their goals for the emission reductions, so there’s a lot of excitement there.”

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emissions and greater fuel efficiency. Our technology is designed for use with many types and sizes of diesel engines used in on-road vehicles, refrigerated trailers, off-road construction, power generation, mining and forestry equipment, marine vessels and railroad locomotives.

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## **dynaCERT's Jim Payne on how "HydraLytics™ is like a freight management system on steroids"**

written by InvestorNews | March 29, 2023

InvestorIntel's Tracy Weslosky speaks with Jim Payne, President, CEO and Director of [dynaCERT Inc.](https://www.dynacert.com) (TSX: DYA | OTCQX: DYFSF), about dynaCERT's expansion into the FreightTech industry with its HydraLytics™ Technology. "FreightTech is a perfect fit with what we do," Jim said. "HydraLytics™ is like a freight management system on steroids. We have taken that to a whole new level."

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Jim went on to say, "with our technology we can not only track the truck and track fuel efficiencies and reduction in emissions but we can also track everything from maintenance

of a vehicle, driving habits and where they can improve driving habits, we can also show improved truck routes to save time and fuel and also accidents report.”

Jim quoted from a study that stated that nitrous oxide is more harmful to the climate than CO<sub>2</sub>, and explains to the listener how dynaCERT reduces nitrogen oxide from a diesel engine. Adding, “We are a Canadian company with a global solution to reduce pollution.” It is important to note that they have recently received the highest rating from United Nations Sustainable Smart Cities.

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

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## **dynaCERT's Jim Payne on Ranking #1, Eric Sprott's Investment and Carbon Credits**

written by InvestorNews | March 29, 2023

In an InvestorIntel interview during [PDAC](#) last week, Tracy Weslosky secures an interview update with President, CEO & Director Jim Payne on [dynaCERT Inc.](#) (TSXV: DYA | OTCQB: DYFSF), a manufacturer and distributor of Carbon Emission Reduction Technology for use with internal combustion engines.

Jim started by saying that dynaCERT is the number 1 ranked company across all sectors on 2020 TSX Venture 50. He added that dynaCERT has a global solution to reduce pollution that people can adopt right now. The company is at the forefront of the carbon credits market and has recently attracted investors like Eric Sprott and Dr. Joerg Mosolf of Mosolf SE & CO. AG who have invested in the company. Jim continued, "Sustainability is a big thing today – with our technology, we have a solution now. We are reducing emissions very significantly for any internal combustion engine."

The company is well capitalized and has a continued revenue stream. Jim also revealed that he has been asked to speak at the World Climate Summit in November in the UK on the future of the world's carbon credits.

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

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