

dynaCERT puts its carbon emission reduction technology to the test

written by InvestorNews | August 24, 2022

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.

Testing Time (and Miracles) Required for the Inflation Reduction Act to Achieve Goals – plus, InvestorIntel's Week in Review for August 1-7, 2022

written by Tracy Weslosky | August 24, 2022

Anyone who knows me, appreciates that I have a penchant for time. To me, time is the greatest tool for living life well. And a well-disciplined schedule accompanied by hard work is the only formula that works to achieve success. This morning as I contemplate the speed of life, I am reminded of an account

manager in my past that simply could not show up on time...

Background: While the talents of this professional were endless, his incessant commitment to coming in late was a pain point for the entire team that would eventually cost him his job. He roughly showed up late over 30-days, but it was always within 20-minutes, making it a grey line.

During the period in which our team attempted to yield to his habitual lateness due to sheer optimism that our investment in our collective efforts would help him change, I researched this topic extensively for a spectrum of remedies. And in this process, I discovered a something that surprised me.

Ask someone you trust to take a watch and say "start". And then say "time" when you believe 1-minute has passed. I did this with this employee and his translation of 60-seconds was 1:14, or 74 seconds. Then I was tested, and my perception of 1-minute was 43 seconds. Allow me to add that both perceptions have similar issues and helped me understand why late individuals aggravated me so much. While the disparity between my concept of time and the individual I was working with was too great for us to work well together, this understanding was quite revealing and provided transformative wisdom that has benefited my own work processes.

I think the US Senate needs to check their watches and perform this test.

Today, as the US Senate passes an **Inflation Reduction Act** with \$370 billion aimed at effecting a 40% drop in greenhouse gas emissions by 2030, I am reminded of the speed of time. While 8 years may sound like an incredible runway to achieve this goal: I do not. And remember, I am the entrepreneur that perceives time with a discount, which means I should arguably perceive 8 years of time as an investment of 11 years of average work.

So, even with 11 years of time, I do not believe that this goal can be achieved without critical thinking transformation, and infrastructure changes -- and even then, the tools are missing without some miracles.

While the fairy tale that money can buy you love, or in this case: climate change...the end result is the same, we are at a dismal impasse that is going to not only require hard work and a schedule, but a few miracles. Technology advancements? Reorganization of educational infrastructure and an appropriate investment in this development? The end of Covid?

On that note, I urge you to go to the new [Critical Minerals Institute](#) site, where we have put together 8 professionals in our sector that have **over a quarter of a million hours of professional time in the critical mineral sector** that have officially locked arms to make a difference. While we cannot offer any miracles, we can offer experience, knowledge and perhaps 1 or 2 good ideas as we all agree on as they relate to the impact of ESG and critical minerals – and their undeniable impact on climate change.

Now for this Monday morning's week-in-review, we have listed our latest **ii8 System** news releases and video interviews from the last week. Additionally, we list our [Top 10 Trending list](#), along with feature columns written by our inordinately talented and independent columnists, I urge you to start your review with the column: **Mel Sanderson answers the multi-billion dollar question: What exactly is ESG?** [click here](#)

Top 10 Trending on InvestorIntel.com

1. The new S&P/TSX Battery Metals Index – what were they thinking? <https://bit.ly/3P9nbFA>
2. InvestorIntel Appoints Publisher & Editor In Chief Stephen Lautens As Director <https://bit.ly/3v4D8ok>

3. Peter Clausi of Silver Bullet Mines talks about its first silver production <https://bit.ly/3citw2X>
4. Appia Rare Earths & Uranium by the numbers <https://bit.ly/3vgi8uZ>
5. Pierre Gauthier of Auxico Resources talks about recent off-take agreements and rare earths trades <https://bit.ly/3cbRpZT>
6. Did ESG really topple the government of Sri Lanka? <https://bit.ly/3PzwTkW>
7. Graphite: The Top 5 North American Players to Watch <https://bit.ly/3z11Kkg>
8. Cam Currie of Canaccord Genuity talks about metals as a vital hedge against inflationary pressure <https://bit.ly/3RGyWF2> (July 18, 2022 – Interview Host, Tracy Weslosky)
9. Marty Weems of American Rare Earths on “outstanding” drill results and US govt project backing <https://bit.ly/3uvD9BG> (July 8, 2022 – Interview Host, Tracy Weslosky)
10. Zentek CEO Greg Fenton talks about bringing new antimicrobial HVAC filters to market <https://bit.ly/3aQPRV3> (July 21, 2022 – Interview Host, Tracy Weslosky)

InvestorIntel Interviews

- August 05, 2022 – **Valeo Pharma’s** Steve Saviuk talks about the US\$40M non-dilutive financing from **Sagard Healthcare Partners** <https://bit.ly/3d7Mdqm>
- August 04, 2022 – Avalon Advanced Materials Don Bubar on the Acceleration of the Separation Rapids Lithium Project <https://bit.ly/3SjCYDA>
- August 03, 2022 – WUC’s George Glasier with Byron King on American dependence on ‘unstable nuclear fuel sources’ <https://bit.ly/3oRS70Y>

InvestorIntel Columns

- Rare earths expert Alastair Neill on Vital Metals <https://bit.ly/3zGDDXs>
- The King of Tin is Alphamin <https://bit.ly/3vGWMah>
- The Dean's List – Part 3: What graphite company could benefit from Canada's commitment to critical minerals? <https://bit.ly/3BwSNkj>
- Diversification and Dividend Paying, a Winning Strategy for Critical Minerals Leader Neo Performance Materials <https://bit.ly/3Sm0v4Y>
- Mel Sanderson answers the multi-billion dollar question: What exactly is ESG? <https://bit.ly/3o0C98d>
- Power Nickel demonstrates high-purity class 1 nickel deposit in James Bay has “significant commercial potential” <https://bit.ly/3Sk9TYH>

ii8 System News Releases for the Week in Review for August 1-7, 2022:

- August 05, 2022 – Energy Fuels Announces Q2-2022 Results, Including Continued Robust Balance Sheet and Market-Leading U.S. Uranium & Rare Earth Positions <https://bit.ly/3B0kZzi>
- August 05, 2022 – dynaCERT Announces Auditor Resignation <https://bit.ly/3BLeY6A>
- August 05, 2022 – Murchison Minerals Commences Diamond Drilling at the HPM High-Grade Nickel-Copper-Cobalt Project in Quebec <https://bit.ly/3d5H5Da>
- August 05, 2022 – NEO Battery Materials Initiates Detailed Design of Silicon Anode Commercial Plant & Files PCT Patent for Key Silicon Anode Technology <https://bit.ly/3QkE0SN>
- August 05, 2022 – Nano One Provides Quarterly Progress Update and Reports Q2 2022 Results <https://bit.ly/30V0SRe>

- August 04, 2022 – Moovly Signs Video Automation Partnership with Kapanlagi Youniverse <https://bit.ly/3BH2NYy>
- August 04, 2022 – TRU Announces 2,000 Metre Drill Program at the Jacob's Pond Area of the Golden Rose Project <https://bit.ly/3QnZ5qR>
- August 04, 2022 – Nickel 28 Releases Ramu Q2 2022 Operating Performance <https://bit.ly/3QkF3NW>
- August 04, 2022 – Bald Eagle Announces Rebrand Under Hercules Silver Corp. and Provides Corporate Update <https://bit.ly/3P2cbc2>
- August 04, 2022 – Assay Results from New Claims Area Show Significant Upside for Halleck Creek <https://bit.ly/30YllXb>
- August 03, 2022 – Westward Gold Comments on Completion of Inaugural Drill Campaign & Next Steps <https://bit.ly/3cYpE7n>
- August 03, 2022 – Murchison Minerals Grants Stock Options <https://bit.ly/3zAe0qS>
- August 03, 2022 – Fission 3 Welcomes New Director Nicky Grant <https://bit.ly/3P0yNtn>
- August 02, 2022 – Nano One Announces Results of Annual General Meeting <https://bit.ly/3cVst9f>
- August 02, 2022 – SIXW: Correction of News Release <https://bit.ly/3A2oVvc>
- August 02, 2022 – Ur-Energy Releases 2022 Q2 Results <https://bit.ly/30VSYso>
- August 02, 2022 – Alphamin Announces Updated Mineral Resource and Mineral Reserve Estimates and Life of Mine Schedule for Mpama North Tin Mine <https://bit.ly/3zRrBf5>
- August 02, 2022 – Valeo Pharma Closes US\$40 Million Non-Dilutive Financing from Sagard Healthcare Partners <https://bit.ly/3ziU7Vm>
- August 02, 2022 – Valeo Pharma Enters into License

Agreement with Kaleo for the Canadian Rights to ALLERJECT®
<https://bit.ly/3So2Bn0>

- August 02, 2022 – Valeo Pharma Enters into an Agreement for Ophthalmic Products, PrXIIDRA® AND PrSIMBRINZA®, in Canada <https://bit.ly/3QuzyML>
- August 02, 2022 – Fission 3.0 Hits Alteration, Faulting at Murphy Lake <https://bit.ly/3PMnvdD>
- August 01, 2022 – Retirement of Mr Denis Geldard <https://bit.ly/3bDIb80>
- August 01, 2022 – Vital Raises \$45M to Complete Transition to REO Operations <https://bit.ly/3vxwszc>