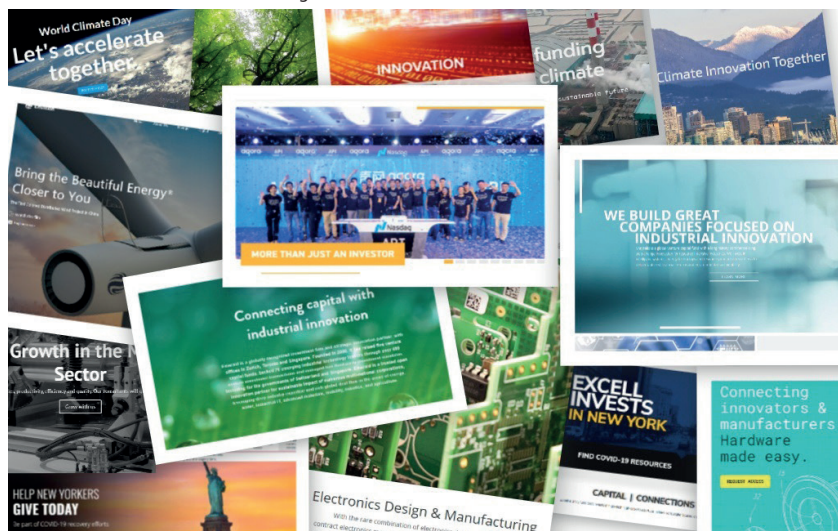


Click image to view animation of the Zinc8 network:



ACCESS GRANTED TO THE THREE Cs OF SUCCESS

GETTING DE-RISKED AND RAISED BY A GLOBAL NETWORK OF CAPITAL AND KNOW-HOW

When some of the world's brightest people and biggest companies unite, there must be an urgency to solve a bigger problem. In order to build a smarter, more sustainable future for the planet, a far-reaching multidisciplinary effort is needed to speed up the rate of greentech innovation together – and to finance the economies of the future.

Right now, there is an innovation-based industrial revolution going on to re-shape our world for the better.

Unfortunately, it's happening too slow. Innovations and new technologies take too long to enter the market and to then scale in a meaningful way. Capital, capabilities (know-how) and connections are the greatest limiting factors. [The result:](#)

- 90% of new startups fail.
- 75% of venture-backed startups fail.
- Under 50% of businesses make it to their fifth year.
- Only 40% of startups actually turn a profit.
- 82% of businesses that fail do so because of cash flow problems.

Just by looking at such statistics, it's tempting to jump to the conclusion

that so many startups fail because their products and services are not good enough for widespread adoption in free market economies. However, the reality is that in many cases it's not the innovation being flawed or unfeasible but entrepreneurs simply lacking the above mentioned three Cs (Capital + Capabilities + Connections).

Fortunately, we are witnessing a growing number of imaginative people, resourceful companies and supportive governments get their act together to accelerate and grow greentech innovation and commercialization. A new approach is taken – one that spins a network of expertise and capital never seen before in the history of industrial mega-trends. For the first time ever, the world is uniting in an effort to solve a common problem for the benefit of everybody.

Company Details



Zinc8 Energy Solutions Inc.

#1 – 8765 Ash Street

Vancouver, BC, V6P 6T3 Canada

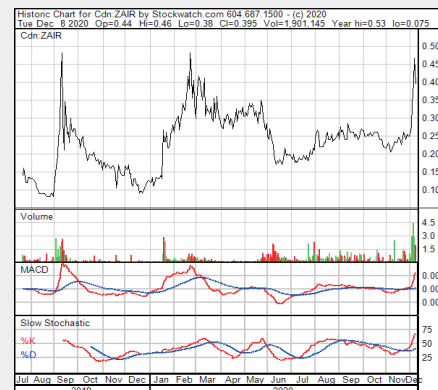
Phone: +1 604 558 1406 (Extension 5)

Email: investors@zinc8energy.com

www.zinc8energy.com

ISIN: CA98959U1084 / CUSIP: 98959U108

Shares Issued & Outstanding: 90,563,457



▲Chart Canada (CSE)

Canada Symbol (CSE): [ZAIR](#)

Current Price: \$0.395 CAD (12/08/2020)

Market Capitalization: \$36 Million CAD



▲Chart Germany (Tradegate)

Germany Symbol / WKN: [0E9 / A2P15E](#)

Current Price: €0.266 EUR (12/08/2020)

Market Capitalization: €24 Million EUR

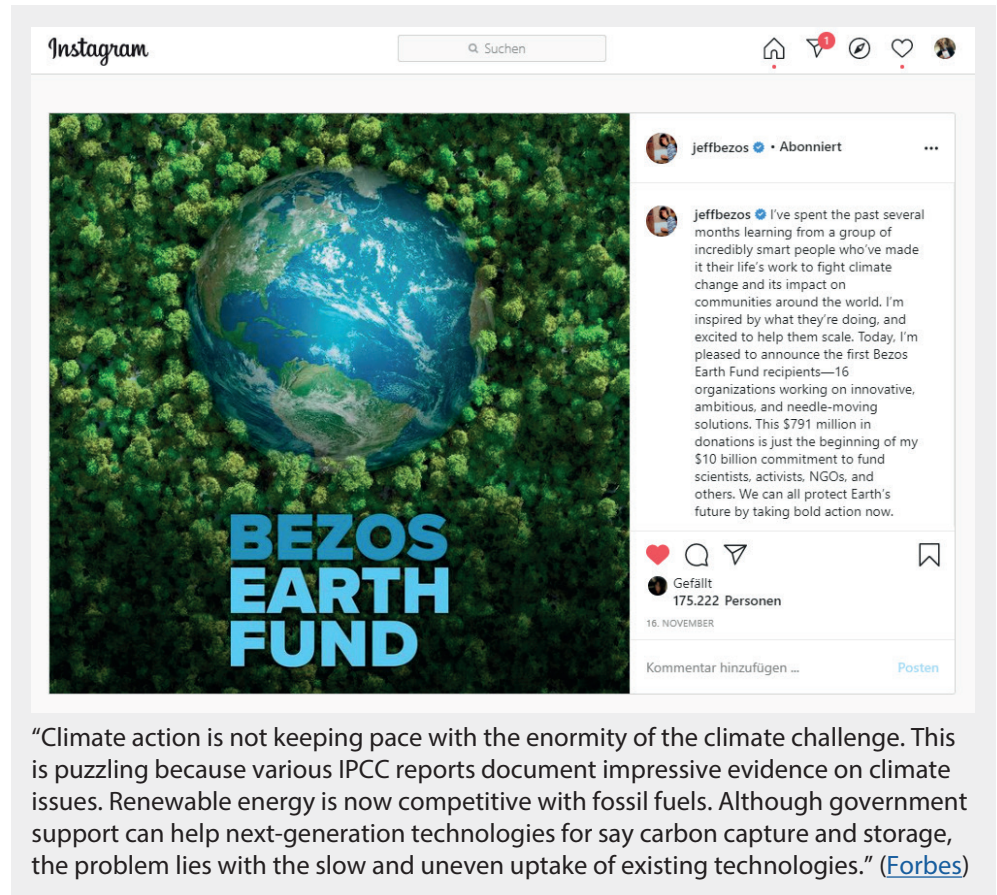


SUPERCARGING INDUSTRIAL DECARBONIZATION

Yesterday on December 8, the new initiative “[For ClimateTech](#)” was launched “to offer global innovators the most comprehensive accelerator programming for attracting and growing climate technology in New York State”. The initiative is administered by [SecondMuse](#) (partners include Intel, Microsoft, NASA, Nike, WHO, Google, ebay, Walmart, Australian Government) and [NextCorps](#) (expertise in manufacturing), supported by the [New York State Research and Development Authority](#) (NYSERDA), and more than a dozen partners – including [Urban Future Lab](#), [Cornell University](#), [REV: Ithaca Startup Works](#), [NY Manufacturing Extension Partnership](#) (MEP), and the Rochester Institute of Technology’s [Golisano Institute of Sustainability](#) – to support programming and offer founders a range of resources, technical expertise, and guidance.

Backed by “perk partners” such as [Silicon Valley Bank](#) and Amazon, [Venture For ClimateTech](#) is a non-profit accelerator program connecting selected participants with hands-on support until they are ready for first customers, pilot runs, and investment. The advanced [Scale For ClimateTech](#) program provides “immersive training on manufacturing and business planning, along with a team dedicated to making manufacturing easier – from mentors and experts in the field and product and packaging designers, to manufacturers, suppliers, and investors. Companies are coached by their peers, a community of technical experts, customized accountability teams, and a network of partners. There is no cost to participate or stake in equity involved.”

Also yesterday, Zinc8 Energy Solutions Inc. announced to be selected as one of the nine companies to join the manufacturing focused **Scale For ClimateTech** program. **Zinc8’s President and CEO, Ron MacDonald, commented:** “We are very excited to be selected by the prestigious Scale for ClimateTech, as it will significantly reduce our manufacturing related uncertainties including supply chain, financial and production risks. In



addition, this program will propel Zinc8’s path to commercialization to meet the ever-growing market demand for low-cost long duration energy storage.” **Dr. Simon Fan, Zinc8’s CTO and VP of Product Management, added:** “We are honoured to be selected for the ClimateTech program. As Zinc8 navigates through our transition from an engineering company into production, the partnership opportunities and accumulated expertise across manufacturing and production that are offered by this initiative and its ecosystem will significantly reduce our manufacturing related risks.” **Shelby Thompson, Senior Community Manager with Scale for ClimateTech, said:** “We are thrilled to have Zinc8 join us as they are in the perfect development stage to receive support as they navigate scale to production. Over the next year, Zinc8 will see real, tangible progress happen from utilizing our manufacturing-focused resources and tools, receiving customized support from our technical experts and the cohort, as well as introductions to New York state-based manufacturers and investors interested in ClimateTech-related innovations.”

On November 16, the world’s richest person, Amazon’s Jeff Bezos, announced that “he will donate a massive 10 billion US dollars for his Bezos Earth Fund to support the continuing war against global warming. He made the announcement through an Instagram post on his official personal account last week. On his [post](#), the billionaire mentioned that his 10 billion USD commitment will be called the Bezos Earth Fund, and will start with the 791 million USD in donations, to the 16 organizations that according to him, works on innovative, ambitious, and needle-moving solutions.”

Among the first 16 grantees of the **Bezos Earth Fund** is the [Rocky Mountain Institute](#) (RMI), an independent, non-partisan, non-profit organization on a mission “to transform global energy use to create a clean, prosperous, and secure low-carbon future. RMI engages businesses, communities, institutions, and entrepreneurs to accelerate the adoption of market-based solutions that cost-effectively shift from fossil fuels to efficiency and renewables. We employ rigorous research, analysis, and whole-systems ex-



expertise to develop breakthrough insights. We then convene and collaborate with diverse partners – business, government, academic, nonprofit, philanthropic, and military – to accelerate and scale solutions.” (See [FutureBrochure](#) and [Five-Year Plan](#))

Also on November 16, the RMI announced to receive a \$10 million grant from the **Bezos Earth Fund** “to help significantly reduce greenhouse gas (GHG) emissions in both U.S. buildings and in energy-intensive industrial and transport sectors... RMI’s Carbon-Free Buildings campaign will receive \$8 million to reduce GHG emissions from homes, commercial structures, and other buildings, enabling RMI to increase its current work with a coalition of partners in key states. The project will focus on making all U.S. buildings carbon-free by 2040 by advocating for all-electric new construction and retrofitting existing homes and businesses to reduce their carbon footprint... The buildings sector is responsible for 35% of the United States’ total carbon emissions and construction of buildings is a \$1 trillion per year industry.”

On December 1, Zinc8 was selected to join RMI’s and **New Energy Nexus’ Third Derivative Accelerator Program** with its zinc-air battery technology. **Dr. Cyril Yee, Third Derivative’s Head of Investments & Research, commented:** “As a program seeking to accelerate the rate of commercialization for the world’s most promising climate innovations, Third Derivative is excited to accept Zinc8 into our inaugural cohort. We believe that Zinc-Air flow batteries are an emerging and important form of long-duration power storage that is needed to facilitate high penetration of renewables. Zinc8’s innovative use of low-cost zinc, thousands of hours of successful pilot-scale demonstrations and upcoming commercial-scale demonstrations in real-world settings sets it apart from other long-duration technologies.”

On September 24, during Climate Week and on “Battery Day”, Zinc8 won the [Carbon Neutrality Innovation Challenge](#) from the **NYC Department of Buildings (DOB)**. With **almost 80%** of NYC’s greenhouse gas emissions coming from buildings, batteries play a crucial



“If you can make it there, you can make it anywhere”: As a result of strict fire safety regulations, the growth of energy storage deployments in NYC has been slow in recent years despite ambitious storage targets mandated by Governor Andrew Cuomo’s and Mayor Bill de Blasio’s Green New Deal. The permitting of energy storage projects in NYC has been a difficult, costly, time-consuming, and arduous process – especially for lithium-ion battery technology. The approval process is comprehensively guided and reviewed by three main authorities, the DOB (NYC Department of Buildings), the FDNY (Fire Department of NYC), and Con Edison. To be chosen as a winner of DOB’s Carbon Neutrality Innovation Challenge opens up new opportunities for Zinc8 to deploy its non-flammable, non-toxic, safe and clean zinc-air energy storage systems in NYC – in particular, if and when Zinc8’s non-lithium-ion-based battery technology is included in NYC’s [Building Code](#), which is enforced by the DOB and anticipated to be revised now to include the winning companies’ technologies. (Image: [DOB](#))

role in the City’s world-leading [Green New Deal](#), mandated to make New York carbon neutral by the year 2050. As one of the most densely populated urban areas in the world, New York City requires an alternative to lithium-ion (i.e. non-explosive and non-flammable) to comply with the strict regulations set by the DOB and the NY Fire Department. Zinc-air is seen as such an alternative, albeit not commercially ready yet – hence the many efforts to accelerate it to market.

On November 16, Zinc8 announced that its first commercial energy storage system is set to be delivered on time by December 21, 2020, at an innovative, low-energy-footprint real estate in British Columbia, named **75.9 House** by Vancouver-based designer [Omer Arbel](#). For 2021, the company targets the production of more such small-

scale batteries for buildings. By 2023, Zinc8 aims commercial production of its larger ≥ 100 -kW systems, targeted for utilities and grid-scale deployments. Until then, financings in the range of \$35-50 million are needed (the lower end figure may be achieved with [manufacturing partnerships such as with India-based Vijai Electricals Ltd.](#), one of the most trusted and reputed brand names in the global grid and utility space). Zinc8 is already in active negotiations with some of the largest branded companies and government agencies of all levels to strategically select the best financing in the interest of its shareholders.

Not only buildings but the grid itself is in urgent need for a safe (i.e. non-flammable, non-toxic) and cost-effective energy storage solutions. Energy generating and distributing









utilities, especially those connecting renewable energy sources to the grid, require long-duration storage solutions of +8 hours (up to weeks and months) to make intermittent solar and wind power achieve its full potential and to finally make all the more sense.

On January 17, the largest state-owned US power utility, the **New York Power Authority (NYPA)**, announced to collaborate with Zinc8 to deploy a 100-kW battery in New York. Zinc8 won the [NYPA Innovation Challenge](#), launched last year by NYPA and the New York University Tandon School of Engineering's [Urban Future Lab](#) (UFL). More than 60 business applicants entered the Challenge, designed to accelerate the commercialization of new technologies for the electricity grid to ensure an affordable and reliable renewable energy supply to New York State. Gil Quinones, NYPA's CEO and President, commented: "NYPA is pleased to be working with Zinc8 on an innovative technology that can help achieve the state's targets for energy storage and have broad impacts across New York State. This collaboration will showcase a low-cost, long duration solution that addresses the unpredictability of renewable energy resources, such as wind and solar, and offers environmental and efficiency benefits."

On March 7, Zinc8 was selected into New York City's [ACRE Cleantech Incubator Program](#) at UFL. Zinc8 is the only Canadian company being an active member of the around 20 companies accepted to UFL's programs which are recognized as "the center of cleantech innovation in New York" and they "are leading the way to a more sustainable world by connecting people, capital, and purpose to advance market-ready solutions to address climate change". As a not-for-profit organization, UFL's incubator program aims at de-risking the technology along with the entrepreneur, to ultimately place them into the New York State economy with a goal of scaling them up beyond the state thereafter.

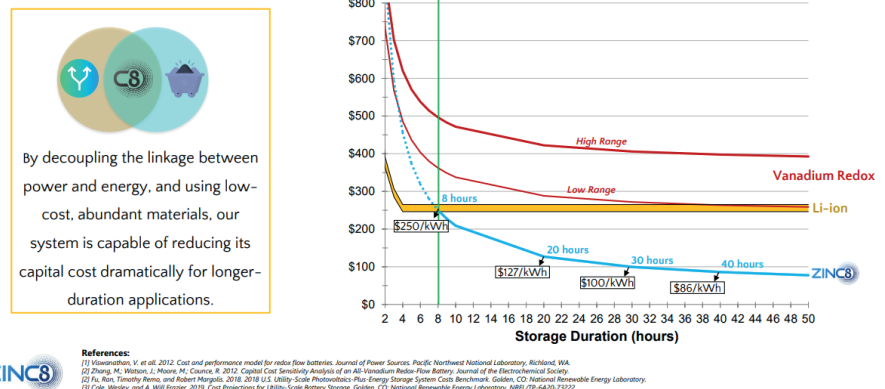
On March 11, Zinc8 executed a second 100-kW deployment contract, this time with the private sector company

Path To Commercialization – Projects Underway, Independent Validation

Surrey, BC	Brooklyn, NYC	New York State
System size: 40kW / 160kWh (4-hour duration)	System size: 100kW / 1.5MWh (15-hour duration)	System size: 100kW / 1MWh (10-hour duration)
 PARTNER: 	PARTNERS & COLLABORATORS:  	COLLABORATORS:  
75.9 House by Omer Arbel World Architecture Festival Winner See press release	✓ DE operates 100+ CHP sites for future pipeline in New York and California ✓ Recognized developer within the industry See press release	Winner of the NYPA's Innovation Challenge ✓ Largest state public utility in the US ✓ Leads the state in accelerating new technologies ✓ Access to an exclusive network See press release

Capital cost per installed kWh

Comparison of different technologies for a 100-kilowatt battery system



Source: Zinc8's latest [corporate presentation](#) (October 2020)

[Digital Energy Corp.](#) to support and enhance the economics of a CHP system currently operating at Brooklyn, New York. The \$2.5 million CAD zinc-air energy storage project is financially supported by the government agency **NYSERDA** (New York State Energy Research & Development Authority). **William Cristofaro, President and CEO of Digital Energy Corp., commented:** "Digital Energy and Integrated Energy Concepts are excited about working with Zinc8 Energy on the development and deployment of the Zinc8 Energy Storage system. The Zinc8 system addresses several critical needs of on-site electric energy storage: Price point economics, system robustness under real-world use, and safety. We see the Zinc8 system as very promising for integration into our existing and developing customer base of over 100 on-site power plants, solar systems, and microgrids."

On October 19, Zinc8 announced an agreement with the Australian engineering firm [SmartConsult](#) to work on joint-venture projects for the deployment of the zinc-air energy storage system. The agreement focuses on the deployment at "aquatic centres, remote mines and behind-the-meter applications using SmartConsult's extensive knowledge, contacts in and relations with a broad range of energy users, energy systems suppliers throughout Australia and a pipeline of customers. They have built this extensive network through the deployment of 128 commercial projects with a total of over 8.5 MW of installed solar capacity." The agreement also includes the joint examination of microgrids and utility-scale T&D (Transmission & Distribution) opportunities in Australia. **Luke Hardy, SmartConsult's CEO, commented:** "We are very excited to collaborate with Zinc8 in Australia, we have been looking for a battery



solution that does not have the inherent issues that surround existing battery types with uncertain cycle life and limited longevity. The Zinc8 solution will be ideal for our large-scale industrial customers."

THE FUTURE IS CREATED TODAY

It's impressive to see what Zinc8 has achieved this year and that its unique, patented zinc-air flow-battery technology is making an impression at some of the highest level greentech incubators and venture accelerators as well as private and public sector companies and authorities.

Zinc8 just entered two different accelerator programs, both of which are set to come to fruition next year:

1) Yesterday's announcement of being selected to the **Scale For ClimateTech** program opens up new doors for Zinc8. It's truly transformative for the company because manufacturing expertise is key for a successful market entry and subsequent growth with a lasting impact. The program helps to resolve challenges in scaling by working with a dedicated support team including mentors, investors, and experts. By improving the manufacturing plan and process, the company is getting de-risked to move to the next level: **The Manufacturing Readiness Level (MRL)**. The support spans "from prototype to mass production" and offers technical expertise, strategic partners and funding.

"After years of working with hardware innovators and hundreds upon hundreds of conversations with founders, it's clear: manufacturing is confusing, difficult, expensive, time consuming, painful, and sometimes even a fatal endeavor for businesses. Miscalculations, faulty designs, and bad decisions can put a company under and prevent innovation from getting to market. Our program is designed to provide the founder-centered programming and support needed to accelerate market breakthrough technologies. Companies discover what they don't know in order to prepare and navigate manufacturing to speed the commercialization of products, and their impact on solving climate issues." ([Scale For ClimateTech](#))

SECONDMUSE

ABOUT WORK TEAM IMPACT STORIES CAPITAL '20 STUDY

SECONDMUSE CAPITAL

FINANCING THE ECONOMIES OF THE FUTURE

Our work is driven by the belief that profit and purpose can co-exist. SecondMuse Capital is the financial management arm of SecondMuse, investing in businesses and real estate that help create new economies that are growing, resilient, and inclusive. Based on a decade of experience in building economies and supporting entrepreneurs around the world, 2MC strategically influences and deploys capital. 2MC does this by identifying, incubating, and investing in opportunities that advance social and environmental justice. Whether acting as a general partner in a fund or gathering a diverse group of investors to co-invest in new markets, we take a blended approach to capital.

FUND MANAGEMENT

For ClimateTech

Venture Scale Innovators Community Contact Us

Program Structure

Prior to cohort kick-off, applicants will attend virtual instructional workshops that give them a preview of the program before they commit to participating.

During the program, participating innovators will:

- Develop a roadmap for creating manufacturing capabilities, based on the Manufacturing Readiness Levels (MRL) standard.
- Attend educational sessions to help strengthen all aspects of business.
- Work with dedicated mentors to review plans and design files, identify potential risks to manufacturing, and get advice on next steps.
- Check in with an Accountability Board to ensure you're on the right track.
- Connect with potential strategic partners and investors to make commercializing your technology a reality.
- Develop Greenhouse Gas Emissions (GHG) metrics to understand how your product will contribute to climate action.
- Receive support from other entrepreneurs and founders in the cohort to grow your own expertise.



For ClimateTech partners (to date) include [NYERDA](#), [NextCorps](#), [SecondMuse](#), [Clean Energy Business Incubator Program](#) at [Stony Brook University](#), [Cornell University](#), [Engineering For Change](#), [Excel Partners](#), [HARBECE](#), [LaunchNY](#), [M-Corps](#), [Manufacturing and Industrial Innovation Council](#), [Rochester Angel Network](#), [Partsimony](#), [PEKO](#), [Precision Products](#), [Rev Ithaca Startup Works](#), [RIT Golisano Institute for Sustainability](#), [RIT Venture Creations](#), [Surmotech](#), [Urban Future Lab](#), [Z-Axis](#).



2) Last week's announcement of being selected into RMI's and New Energy Nexus' **Third Derivative** program opens up global funding and strategic partner networks as it is a "vertically integrated engine for climate innovation... a unique combination of **accelerator + venture funding + strategic partner network** that offers seamless support for startups to succeed".

"Rising to the climate crisis challenge is a once-in-a-generation, trillion-dollar economic opportunity. That's why we were founded with purpose: to find, fund, hone, and scale the most-promising technologies to achieve larger, faster reductions in global carbon emissions. Third Derivative (D3) is the best-resourced accelerator in clean energy and climate tech. Ever. We combine a next-generation accelerator with large cohorts (~50 startups), committed venture capital from a global network of investors and funds, a game-changing ecosystem of corporate giants, and unparalleled market, regulatory, and policy insights... We're cultivating **the most-promising, early-stage startups addressing billion-dollar markets** in the areas of hard science, hardware, software, and business model innovation... and **matching them with needed capital to reach scale.**" ([Third Derivative](#))

Zinc8's acceptance into Third Derivative's 18-month accelerator program offers the following according to its website:

- **Investment:** You have the option to take a \$100k investment. Through our network of deeply engaged startup investors, you are also first in line for \$100M+ follow-on funding as you progress through the program.

- **Partners:** Our corporate partners are all investors in the program, and play a significant role in helping us select our focus areas and companies. We facilitate interactions with these corporate partners to help you close deals with them. Whether as customers, partners, investors, or acquirors, they want to work with YOU!

- **Network:** Access to RMI's 250+ energy professionals' expertise and network. RMI works across power, transport, buildings

THIRD DERIVATIVE

ABOUT WORK WITH US PORTFOLIO INSIGHTS CONTACT APPLY

Accelerating the Rate of Climate Innovation Together

A joint venture of

ROCKY MOUNTAIN INSTITUTE NEW ENERGY NEXUS

in partnership with

Microsoft FedEx VoLo Earth Ventures BERKSHIRE HATHAWAY ENERGY WELLS FARGO

AT&T imperative ventures Shell Skyview Ventures bp SOCIAL alpha

FACTOR[e] VENTURES GRCM 青雲創投 TSING CAPITAL ENGIE Envision

emerald Technology Ventures CHRYSLIX VENTURE CAPITAL

Third Derivative's "confirmed corporate partners" (to date) include [AT&T](#), [Berkshire Hathaway Energy](#), [BP](#), [Engie](#), [Envision Group](#), [FedEx](#), [Microsoft](#), [Shell](#), and [Wells Fargo](#) – with a combined market capitalization of more than \$2.5 trillion USD. Supporting investors (to date) span four continents and include [Chrysalix Ventures](#), [CRCM Ventures](#), [Emerald Technology Ventures](#), [FACTOR\[e\] Ventures](#), [Imperative Ventures](#), [Skyview Ventures](#), [Social Alpha](#), [Tsing Capital](#), and [Volo Earth Ventures](#). According to Third Derivative: "Investors also include an SPV of high-net-worth individuals. Note that we're in the process of confirming even more global partners, and we'll keep this FAQ response updated as soon as we can!" ([Third Derivative](#))

and industrial sectors on 6 continents and has deep connections to all parts of the energy value chain including government, corporates and NGOs.

- **Training:** The program is designed to help you both work on, and work in your business.

- **Deal facilitation.**

- **Social Proof:** Getting chosen to be in the program means that you have been vetted and selected from a large field of companies. Investors, customers and companies often take acceptance into accelerators as a vote of confidence for your business.

- **Community:** Connections to a community of support, including the program itself, mentors, RMI, and New Energy Nexus.



BOTTOM LINE

With being granted access to such a priceless network of industry partners, expertise and capital, Zinc8 might be seen as “the chosen one” in the space of long-duration energy storage, where commercialization of new, massively scalable technologies is urgently needed. Until today, lithium-ion batteries have merits in the electric vehicles and consumer electronics industries. Yet an alternative must emerge for safe and cost-effective long-duration energy storage applications, first and foremost for buildings and grid-scale utility projects.

With being chosen into several incubator and accelerator programs in the US in 2020, along with working on the execution of three deployment contracts, it’s easy to imagine that these well-connected backers are saying something along the lines of: **“We will not let you fail! We are making sure you get everything needed to become a success!”** Such support is unprecedented in the emergence of new economies in the past. In this day and age, such support is the cornerstone of the pledge to decarbonize global economies faster and to create a smarter, more energy-efficient planet – one that is less wasteful and thus healthier for everybody. Along the way, everybody gets the chance to prosper from this paradigm-shifting industrial mega-trend as new jobs and investment opportunities emerge.

“

For energy and climate innovations to quickly grow from concept to full-scale deployment, it is essential for entrepreneurs to collaborate, align with, and get support from a diverse set of market-focused stakeholders. D3 is what's needed to accelerate the pace of innovation and deployment, focusing on solutions that address climate change, the largest challenge now facing humanity.

Jules Kortenhorst, CEO, Rocky Mountain Institute



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If we're going to achieve the speed and scale of change that the world needs to tackle the climate crisis, we have to take startups with the most-promising no-carbon solutions—and then immerse them in a new kind of innovation ecosystem that gives them their best shot at succeeding. That's what Third Derivative will do for dozens of companies at a time. It's a thrill to be building it.

Danny Kennedy, CEO, New Energy Nexus



• • • • •

Join our innovation engine

We are increasing the success and speed to market for climate innovation—together.



Startups

We focus on advancements across hard science, hardware, digital / software solutions, and novel business models.



Investors

Committed venture capital helps select and coach startups with seamless follow-on funding opportunities.



Corporates

A global network of corporate partners offers capital, development, manufacturing, and market access.



Click image above or [here](#) to watch Amazon's Jeff Bezos launching #ClimatePledge in 2019. [More details](#)



Click image above or [here](#) to watch interview with Zinc8's Ron MacDonald on being accepted into Third Derivative Program.



PREVIOUS COVERAGE

[Report #13](#): "21.12.20: The Sacred Moment for Zinc8: First real-world energy storage system to be delivered to 75.9 House"

[Report #12](#): "Happy Battery Day for Zinc8: Winner of the first-ever Innovation Competition spearheaded by the US Department of Buildings, New York"

[Report #11](#): "Setting the Stage for a Global Launch: Zinc8 signs co-operation agreement with global transformer manufacturing powerhouse Vijai Electricals"

[Report #10](#): "Zinc8 accepted into the ACRE Cleantech Incubator Program at Urban Future Lab"

[Report #9](#): "The Empire State is accelerating renewable energy development as part of its COVID-19 recovery efforts"

[Report #8](#): "Supporting the Clean Energy Industry Through the COVID-19 Response"

[Report #7](#): "Renewable energy stocks could be the first to recover, says JPM"

[Report #6](#): "Death of an ill-fated bull market and birth of a clean energy infrastructure of resilience"

[Report #5](#): "Second Commercial Agreement in New York City, First Private Sector Energy Storage Deployment Contract for Zinc8"

[Report #4](#): "Visiting the Zinc8 Energy Storage Development & Production Facility: The Dawn of the Utility-Scale Battery Era"

[Report #3](#): "The Largest State-Owned Power Utility in the USA Announces Collaboration with Zinc8: Cooperation Agreement with the New York Power Authority (NYPA) to Deploy Zinc-Air Battery System"

[Report #2](#): "Reborn as Zinc8 Energy Solutions"

[Report #1](#): "Bridging the Renewable Energy Infrastructure Gap: A Mass Energy Storage Battery Company Goes Public"





DISCLAIMER AND INFORMATION ON FORWARD-LOOKING STATEMENTS

This report contains forward-looking information or forward-looking statements (collectively "forward-looking information") within the meaning of applicable securities laws. Forward-looking information is typically identified by words such as: "believe", "expect", "anticipate", "intend", "estimate", "potentially" and similar expressions, or are those, which, by their nature, refer to future events. Rockstone Research, Zinc8 Energy Solutions Inc. ("Zinc8"), and Zimtu Capital Corp. ("Zimtu") caution investors that any forward-looking information provided herein is not a guarantee of future results or performance, and that actual results may differ materially from those in forward-looking information as a result of various factors. The reader is referred to the Zinc8's public filings for a more complete discussion of such risk factors and their potential effects which may be accessed through documents filed on SEDAR at www.sedar.com. All statements in this report, other than statements of historical fact, should be considered forward-looking statements. Much of this report is comprised of statements of projection. Statements in this report that are forward looking include that Zinc8's energy storage system ("battery") will enter the market and Zinc8 will succeed in commercializing a market leading, efficient, long-duration, low-cost zinc-air energy storage system; that an energy storage solution is needed; that Zinc8 is getting de-risked and raised by a global network of capital and know-how; that Zinc8 will have access to the three Cs of success (capital, capabilities/expertise, connections); that Zinc8 will be offered the most comprehensive accelerator programming for attracting and growing climate technology in New York State; that Zinc8 will successfully enter and complete any of the incubator and accelerator programs; that Jeff Bezos will donate funds; that the RMI will receive funds from the Bezos Earth Fund; that technological solutions will be developed and commercialized that shift from fossil fuels to efficiency and renewables; that all U.S. buildings will be carbon-free by 2040 and that New York will be carbon neutral by the year 2050; that the rate of commercialization for the world's most promising climate innovations will be accelerated; that Zinc8's zinc-air flow batteries are an emerging and important form of long-duration power storage that is needed to facilitate high penetration of renewables; that Zinc8 will be accelerated to market; that Zinc8's first commercial zinc-air energy storage system is set to be delivered on time by December 21, 2020; that for 2021, Zinc8 targets the production of more such small-scale batteries for buildings. By 2023, Zinc8 will achieve commercial production of its larger >100-kW systems, targeted for utilities and grid-scale deployments; that until 2023, financings in the range of \$35-50 million are needed and will be secured (the lower end figure may be achieved with manufacturing partnerships such as with India-based Vijai Electricals Ltd.); that Zinc8 will strategically select the best financing in the interest of its shareholders; that Zinc8 will deploy its non-flammable, non-toxic, safe and clean zinc-air energy storage systems in NYC – in particular, if and when Zinc8's non-lithium-ion-based battery technology is included in NYC's Building Code, which is enforced by the DOB and anticipated to be revised now to include the winning companies' technologies; that any of the incubator and accelerator program will de-risk Zinc8's technology along with the entrepreneur, to ultimately place them into the New York State economy with a goal of scaling them up beyond the state thereafter; that Zinc8's technology will support and enhance the economics of a CHP system currently operating at Brooklyn; that NYSEERDA or any other government, authority, company, organization or program/initiative will support any project of Zinc8 financially, technically or any other way; that any joint-venture projects or collaborations will be started or completed with SmartConsult or any other organization; that Zinc8 does not have the inherent issues that surround existing battery types with uncertain cycle life and limited longevity; that the Zinc8 solution will be ideal for large-scale industrial customers or any other application; that the Zinc8 technology will continue to make an impression at some of the highest level greentech incubators and venture accelerators as well as private and public sector companies and authorities; that any of the accelerator and incubator programs will come to fruition next year; that new doors will be opened for Zinc8; that any manufacturing, or other kinds of corporate challenges will be resolved; that Zinc8 is getting de-risked to move to the next level, the Manufacturing Readiness Level (MRL); that Zinc8 will receive support spanning from prototype to mass production along with technical expertise, strategic partners and funding; that Zinc8 will be offered seamless support to succeed; that by finding, funding, honing, and scaling the most-promising technologies, larger and faster reductions in global carbon emissions will be achieved; that Third Derivative (D3) will continue to be the best-resourced accelerator in clean energy and climate tech; that any venture capital will continue to be committed; that Zinc8 will be matched with needed capital to reach scale; that any of the mentioned partners of the programs will continue as partners or that new partners will be added; that any of the programs will offer Zinc8 anything; that such programs and initiatives are what's needed to accelerate the pace of innovation and deployment; that the success and speed to market for climate innovation will be increased; that Zinc8 is or will

continue to be seen as the chosen one; that any of the supporters and backers will not let Zinc8 fail and will be making sure Zinc8 will get everything needed to become a success; that a smarter, more energy-efficient planet will be created, one that is less wasteful and thus healthier for everybody; that along the way, everybody will get the chance to prosper from this paradigm-shifting industrial mega-trend as new jobs and investment opportunities emerge. Such forward-looking statements are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those projected in the forward-looking information. Risks that could change or prevent these statements from coming to fruition include that the coronavirus pandemic turns out worse than expected, shutting down economies and businesses, including renewables, energy storage and Zinc8; that the contracted energy storage systems will not be delivered on time or will not work as expected; that Zinc8 will not start or complete any of the programs and initiatives it has been selected into; that Zinc8 will not be able to raise the required financing to go into commercial production or continue as a company developing products; that the made agreements with other companies do not go forward or don't provide the expected sales, exposure and other benefits; that Zinc8's technology proves to be too expensive to implement broadly; that customers do not adapt Zinc8's products for being too complex, costly, or not fitting with their current products or plans; that Zinc8's competitors may offer better or cheaper solutions for battery storage; that aspects or all of the process development may not be successful; that the technology may not be cost-effective; that the technology may not work as expected in commercial applications; that the costs may not reduce as much as expected on large storage uses; general economic, market and business conditions; increased costs and expenses; that Zinc8 may not raise sufficient funds to carry out its plans, and obligations as per past agreements; changing costs for development, manufacturing and marketing; increased capital costs; interpretations based on current data that may change with more detailed information; the availability of labour, equipment and markets for the products produced; inability to retain qualified employees; that Zinc8's patents may not provide protection as expected and Zinc8 may infringe on the patents of others; changing political landscape, e.g. to hinder the Green New Deal or any of its goals; and certain other risks detailed from time to time in Zinc8's public disclosure documents including, without limitation, those risks identified in news releases and other documents, copies of which are available on Zinc8's SEDAR profile at www.sedar.com. Readers are cautioned that the foregoing list of factors is not exhaustive and are cautioned not to place undue reliance on these forward-looking statements. The writer assumes no responsibility to update or revise such information to reflect new events or circumstances, except as required by law.

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Stephan Bogner studied Economics, with specialization in Finance & Asset Management, Production & Operations, and Entrepreneurship & International Law, at the International School of Management (Dortmund, Germany), the European Business School (London, UK) and the University of Queensland (Brisbane, Australia). Under Prof. Dr. Hans J. Bocker, Stephan completed his diploma thesis ("Gold In A Macroeconomic Context With Special Consideration Of The Price Formation Process") in 2002. A year later, he marketed and translated into German Ferdinand Lips' bestseller "Gold Wars". After working in Dubai's commodity markets for 5 years, he now lives in Switzerland and is the CEO of [Elementum International AG](#) specialized in the storage of gold and silver bullion in a high-security vaulting facility within the St. Gotthard Mountain in central Switzerland.

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