

Zinc8 Energy Solutions Announces First Quarter Financial Results

VANCOUVER, BC, May 30, 2023 /CNW/ - Zinc8 Energy Solutions Inc. ("**Zinc8**" or the "**Company**") (CSE: ZAIR) (OTC PINK:ZAIRF) (FSE:0E9) today filed its financial results for the first quarter ending March 31, 2023. For further information on the results, please see Zinc8 Energy Solutions Auditor Reviewed Condensed Interim Consolidated Financial Statements and Management Discussion and Analysis for the period ended March 31, 2023 as filed on SEDAR on May 30, 2023.



Zinc8 Energy Solutions Announces First Quarter Financial Results (CNW Group/Zinc8 Energy Solutions Inc.)

First Quarter 2023 Highlights Include:

- On March 15, 2023, Zinc8 announced the approval from the Ulster County Industrial Development Agency (UCIDA) of the issuance of tax-exempt revenue bonds for up to \$10 million (U.S.) with respect to the buildout of Zinc8's proposed first commercial manufacturing facility within Ulster County, New York. The Ulster County tax-exempt municipal bonds are subject to various terms and conditions, including limitations on the use of funds and repayment terms and entry into a lease for a manufacturing facility, which has not yet been completed. The terms of the placement of the bonds have not yet been determined, and the company expects placement fees to be paid to the placement agent KeyBanc Capital Markets Inc. in connection with the placement of the bonds.
- On January 26, 2023, the Company announced the approval by the Empire State Development ("ESD") of up to \$9 million (U.S.) in performance-based excelsior jobs program (EJP) tax credits to incentivize the company to locate and establish its first U.S.-based production facility in New York state. The tax credits are available immediately for a period of up to five years, in whole or part, depending on the level of investment and jobs created.
- On January 11, 2023, Zinc8 announced the receipt of advisory services and up to \$500,000 in funding from the National Research Council of Canada Industrial Research Assistance Program ("NRC IRAP").

Zinc8 Energy Solutions focuses on developing and commercializing its low-cost, long duration ZESS for utilities, microgrid, and Commercial & Industrial markets. By using the patented ZESS as a

standalone or an enabling technology, it allows opportunities for peak demand reduction, time-of-use arbitrage, and participation in both the value stacking programs and the distributed long-duration energy storage space, all in conjunction with the opportunity for a significant reduction in carbon footprint. The long duration (8-100+ hours) ZESS has no fire and explosion risk, has no capacity fade over extensive lifetime, and offers complete charge operational flexibility.

About Zinc8 Energy Solutions Inc. Zinc8 has assembled an experienced team to execute the development and commercialization of a dependable low-cost zinc-air battery. This mass storage system offers both environmental and efficiency benefits. Zinc8 strives to meet the growing need for secure and reliable power. To learn more about Zinc8's technology, please visit: <https://zinc8energy.com>

More about the Zinc8 Energy Storage System (ESS)

The *Zinc8* ESS is a modular Energy Storage System designed to deliver power in the range 20kW - 50MW with capacity of 8 hours of storage duration or higher. With the advantage of rechargeable zinc-air flow battery technology, the system can be configured to support a wide range of long-duration applications for microgrids and utilities. Since the energy storage capacity of the system is determined only by the size of the zinc storage tank, a very cost-effective and scalable solution now exists as an alternative to the fixed power/energy ratio of the lithium-ion battery.

Technology

The *Zinc8* ESS is based upon unique patented zinc-air battery technology. Energy is stored in the form of zinc particles, similar in size to grains of sand. When the system is delivering power, the zinc particles are combined with oxygen drawn from the surrounding air. When the system is recharging, zinc particles are regenerated, and oxygen is returned to the surrounding air.

Applications

The flexibility of the *Zinc8* ESS enables it to service a wide range of applications. Typical examples include:

- Smoothing energy derived from renewable sources such as wind and solar
- Commercial/Industrial backup replacing diesel generators
- Industrial and grid scale, on-demand power for peak shaving and standby reserves
- Grid-scale services such as alleviating grid congestion, deferring transmission/distribution upgrades, energy trading and arbitrage, and increasing renewable energy penetration.

Architecture

The *Zinc8* ESS is designed according to a modular architecture that enables a wide variety of system configurations to be created from a small number of common subsystems. Each subsystem implements a single element of the technology:

- The Zinc Regeneration Subsystem (ZRS) provides the recharging function
- The Fuel Storage Subsystem (FSS) provides the energy storage function
- The Power Generation Subsystem (PGS) provides the discharging function

Notice Regarding Forward Looking Statements

All statements and disclosures, other than those of historical fact, which address activities, events, outcomes, results or developments that Zinc8 Storage anticipates or expects may or will occur in the future (in whole or in part) should be considered forward-looking statements.


Forward looking statements in this press release include that we can execute the development and

commercialization of a dependable low cost zinc-air battery; that our mass storage system offers both environmental and efficiency benefits; that we can help meet the needs for secure and reliable power, that the Company will establish a manufacturing facility in the United States and particularly Ulster County, New York; that the Company will create jobs in New York and that the Company will be able to continue its business and expand its operations into New York. Zinc8 Energy Solutions believes the material factors, expectations and assumptions reflected in the forward-looking statements are reasonable at this time, but no assurance can be given that these factors, expectations and assumptions will prove to be correct. The forward-looking statements included in this news release are not guarantees of future performance. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements including, without limitation: that our Company will be able to continue as a going concern; that we are not able to raise funds as expected; that we will not be able to reduce operating expenditures as needed; that we may not be able to execute on our business plan as expected or at all; that Zinc8 may not qualify for, or even if it does qualify, will not receive, funding from government agencies in the United States or otherwise; that our technology fails to work as expected or at all; that our technology proves to be too expensive to implement broadly; that customers do not adapt our products for being too complex, costly, or not fitting with their current products or plans; our competitors may offer better or cheaper solutions for battery storage; general economic, market and business conditions; increased costs and expenses; inability to retain qualified employees; our patents may not provide protection as expected and we may infringe on the patents of others; that Zinc8 may not open a manufacturing facility; that federal funding in the United States may not be available to Zinc8 on favourable terms or at all; and certain other risks detailed from time to time in Zinc8 Energy Solution's public disclosure documents including the Company's most recently filed Annual Information Form and Management Discussion and Analysis, copies of which are available on the Company'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 forward-looking statements contained in this news release are made as of the date hereof and the Company undertakes no obligations to update publicly or revise any forward-looking statements, whether as a result of new information, future events or otherwise, unless so required by applicable securities laws.

Neither the CSE nor any Market Regulator (as that term is defined in the policies of the CSE) accepts responsibility for the adequacy or accuracy of this release.

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