Zinc8 Energy Solutions Announces Update to Commercialization Milestone Agreement for ’75 House’ in Surrey British Columbia

Vancouver, British Columbia, Canada – **November 16th, 2020** Zinc8 Energy Solutions Inc. (“**Zinc8**” or the “**Company**”) **(CSE: ZAIR / OTC: MGXRF / FSE: 0E9)** is pleased to announce that the deployment of its zinc-air energy storage system at an innovative, low-energy-footprint estate in Surrey, BC is set to be delivered on time by December 21st, 2020.

The capacity of the energy storage system to be installed by Zinc8 is presently configured to be 20 kW and 80 kWh, but the flexibility of the Zinc8 system enables it to be easily modified to meet any change in demand. The system will be integrated with an onsite solar array to provide the main source of power to the estate.

The residence known as ‘75 house' presently under construction on the estate includes many features that make it architecturally unique and energy efficient. Designed by renowned architect Omer Arbel, the construction of the residence uses the technique of pouring concrete into fabric formwork deployed within minimal plywood rib structures, yielding walls and columnar roof forms. The design was selected to the shortlist of entries at the World Architecture Festival held in Amsterdam in December 2019.

“The ability to deliver our ‘Zinc-Air Energy Storage System’ on time to the ’75 House’ construction project reinforces our commitment to becoming a leader in the deployment of long-duration energy storage and is a testament to the hard work by the Zinc8 team. This is an important milestone as Zinc8 Energy Solutions moves forward to its planned commercial production in early 2023” said Zinc8 Energy Solutions President and CEO, Ron MacDonald.

The Zinc8 Energy Storage System is a modular system designed to deliver power in the range of 20 kW to 1 MW or more and energy in the range of 160 kWh to 8 MWh or more. With the advantage of rechargeable zinc-air battery technology, the system can be configured to support a wide range of discharge power, recharge power and duty cycle requirements. Since the energy storage capacity of the Zinc8 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 and other energy storage technologies (including other zinc-air competitors) for users requiring high storage capacity.

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

This news release contains certain statements or disclosures relating to Zinc8 Energy Solutions that are based on the expectations of its management as well as assumptions made by and information currently available to Zinc8 Energy Solutions which may constitute forward-looking statements or information ("forward-looking statements") under applicable securities laws. All such 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 Zinc8's involvement with energy storage projects; 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; and that we can help meet the needs for secure and reliable power. 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 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; and certain other risks detailed from time to time in Zinc8 Energy Solution's public disclosure documents, 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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