

March 27, 2024

Zeon Invests in Battery Technology Company Coreshell

U.S. Developer of Materials Enhancing Lithium-ion Batteries Aims to Solve Degradation Issue and Enable Better Performance for Electric Vehicles

Zeon Corporation

Zeon Corporation (Zeon; head office: Chiyoda-ku, Tokyo; President and CEO: Tetsuya Toyoshima), through its venture capital arm Zeon Ventures Inc. (California, U.S.A.; representative: Yoshihiro Kagawa), has invested in [Coreshell Technologies, Inc.](#), a U.S. startup arming the electric vehicle industry with the most affordable, highest performing batteries in the world by unlocking their true capacity. Along with the investment, Zeon will partner with Coreshell in commercializing its products.

The nano-layer coating material developed by Coreshell is applied to the surface of positive and negative electrodes that come into contact with the electrolyte. This increases both the capacity and the heat resistance of lithium-ion batteries, resulting in improved safety. The coating material is also expected to reduce costs, as the process by which it is applied can be incorporated without major modifications into the current manufacturing process.

Zeon's accumulated electrode binder technology will be combined with Coreshell's technology to generate synergies that create new value. Zeon will propose electrode designs suitable for Coreshell's coating materials and improvements for raising battery functionality by drawing upon its evaluation and analysis technologies for lithium-ion batteries.



Zeon is committed to contributing to a sustainable society and providing indispensable products and services by investing in and nurturing startups in four key areas (healthcare and life sciences, CASE and MaaS*, telecommunications (5G/6G), and energy conservation) and ultimately realizing a sustainable Earth and safe and comfortable life for people.

Outline of Coreshell

- Company Name : Coreshell Technologies, Inc.
- Business : Development, manufacturing, and sales of coating materials that increase the capacity and safety of lithium-ion batteries
- Representative : Jonathan Tan
- Address : 1933 Davis St., Ste. 228, San Leandro, CA 94577
- URL : <https://www.coreshell.com/>

Outline of Zeon Ventures

Company Name : Zeon Ventures Inc.
Business : Investment in startup companies and other activities
Representative : Yoshihiro Kagawa
Address : 25 Metro Drive, Suite 238, San Jose, California 95110
Investment Scale : US\$50 million
URL : <https://www.zeon.ventures/>

Reference: <https://www.zeon.co.jp/en/news/assets/pdf/220207.pdf> (press release)

*CASE: Connected, Autonomous, Shared & Services, and Electric; MaaS: Mobility as a Service

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