



Principal Investigator

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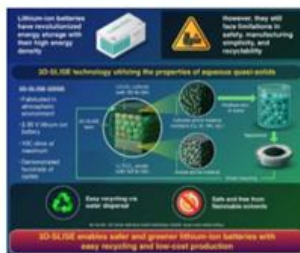
Adopted Theme

[LiBra] The water-based quasi-solid-state battery achieving an innovative balance (libra) “Non-flammable, Non-degradation and Responsible Batteries”

Subject of Research

[LiBra] The water-based quasi-solid-state battery achieving an innovative balance (libra) “Non-flammable, Non-degradation and Responsible Batteries”

Overview



[LiBra], the water-based quasi-solid-state battery, aims to establish a startup company that will bring to market a new energy storage solution. This solution uses novel technology to achieve a balance (libra) between “safety,” “performance,” and “environmental impact,” thereby overcoming the trade-offs in conventional batteries.

Business Models (when applying)

It is a next-generation energy storage infrastructure—a water-based quasi-solid-state battery—equipped with the responsiveness, flexibility, and environmental performance demanded in the AI era. It is a “technology of balance” that harmonizes society and energy. It aims to establish a harmonious power cycle for primary energy sources, including renewable energy sources. In this project, we target data centers, homes, condominiums, buildings, logistics facilities, hospitals, and other similar facilities. Based on interviews and verification of needs with target companies, we will develop implementation models and provide energy storage solutions.

Activity Planning (when applying)

We will establish a technical demonstration and productization framework for the societal implementation of the water-based quasi-solid-state battery “LiBra”, and formulate a startup scale-up strategy based on PoC achievements. We will scale up the battery size for PoC demonstrations and mature the technology for productization. We will also appropriately consider supply chain construction for mass production and mature relationships with stakeholders.