

**Re-Teck, Emulsion Flow Technologies, and Honda Trading have started coordinating with the aim of collaboration towards resource circulation in the lithium-ion batteries**

August 1, 2023

Re-Teck Co., Ltd.

Emulsion Flow Technologies Ltd.

Honda Trading Corporation



Re-Teck Co., Ltd. (Re-Teck), Emulsion Flow Technologies Ltd. (EFT), and Honda Trading Corporation (Honda Trading) have initiated collaboration toward the recycling of lithium-ion batteries in the context of resource circulation.

Towards the realization of carbon neutrality in 2050, Re-Teck, as a global leader in Reverse Supply Chain Management\*, provides general battery recycling solutions, including for lithium-ion batteries. It is also involved in the extraction and formation of highly pure black mass. EFT aims to achieve the recycling of rare earth metals such as cobalt, nickel, lithium, and others, utilizing innovative technologies, Emulsion Flow, in solvent extraction. Honda Trading is also considering new business models for the realization of a carbon-free, recycling-based society in the mobility industry and other industries.

As the electrification in the mobility industry, including automobiles and motorcycles, accelerates and demand for lithium-ion batteries grows, there are concerns about supply shortages and CO<sub>2</sub> emissions from the mining and refining of the rare metals that are used to make them.

The three companies will collaborate to consider the collection of used lithium-ion batteries, extraction of rare metals from them, and re-use of those rare metals as raw materials in new batteries, with the aim of stable resources recycling that will lead to the reduction of CO<sub>2</sub> emissions. At the same time, they also have solid-state batteries and other various types of batteries that are being developed and commercialized in their sights, with the aim of realizing sustainable recycling, particularly of battery electric vehicles (BEVs).

\*Reverse Supply Chain Management

A service provided by Re-Teck Co., Ltd. in which, at the request of customers, it analyzes all manner of product

categories, dividing them into four stages—equipment, components, parts, and raw materials—and develops new recycling supply chains, including recovery as raw material and re-use at the highest level of added value, with the aims of realizing a zero-waste society.

## | Company Profile

### - Re-Teck Co., Ltd.

Head office: Kotobuki Bldg. 8F, 3-10-4 Iwamoto-cho, Chiyoda-ku, Tokyo, Japan

Chief Executive Officer: Tsukasa Komorita

Business lines:

- Providing solutions for Reverse Supply Chain Management\* and IT Asset Management
- Recycling of Lithium-ion batteries

Company website : <https://reteck.co.jp/>

### - Emulsion Flow Technologies Ltd.

Head office : 2-5 Oaza Shirakata, Tokai, Naka, Ibaraki, Japan

President & CEO : Hiroshi Suzuki

Business lines:

- One Stop Solution for rare metal recycling mainly for lithium-ion batteries
- Total Support Business with the technologies from proposals for extraction process to plant construction and operation
- New businesses development to leverage the versatility of the technologies

Company website : <https://emulsion-flow.tech/en/>

### - Honda Trading Corporation

Head office : Akihabara UDX South Wing 18F, 4-14-1 Sotokanda,  
Chiyoda-ku Tokyo, Japan

President & CEO: Tatsuya Natsume

Business lines:

- Procurement and supply of raw materials, parts, equipment and CBU as well as processing and manufacturing of some raw materials.

Company website : <https://www.hondatrading.com/en/>

## | Inquiries

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<https://emulsion-flow.tech/contact/>
- Honda Trading Corporation  
Resource Development Department, Non-ferrous Division  
Telephone : +81-(0)3-5295-0930 (Company)

