

October 1, 2021

JX Nippon Mining & Metals Corporation

JX Metals Circular Solutions Starts Operation

JX Metals Circular Solutions Co., Ltd. (President: Kazunori Tajiri; “JXCS;” Headquarters: Tsuruga-shi, Fukui), a new company established by JX Nippon Mining & Metals Corporation (President: Seiichi Murayama; “the Company”) in May this year, started operation today. JXCS will develop production technology and conduct trials to advance technology development for closed-loop recycling that will re-use minor metals contained in used automotive lithium-ion batteries (LiBs) as raw materials for new automotive batteries.

The JX Nippon Mining & Metals Group will advance its efforts, led by the Company’s Battery Material & Recycling Promotion Office, to achieve recycling of automotive LiBs through a three-site structure comprising JXCS, the Technology Development Center (Hitachi-shi, Ibaraki), which conducts tests using bench-scale equipment, and JX Metals Circular Solutions Europe GmbH (Frankfurt am Main, Germany), which was established in August this year to advance commercialization in Europe.

In conjunction with JXCS starting operation, the Tsuruga Plant, which has conducted LiB recycling trials as an organizational unit within the Company’s Battery Material & Recycling Promotion Office, was abolished with effect from today.

(For reference) JXCS Overview

Name	JX Metals Circular Solutions Co., Ltd.
Business activities	Technology development for closed-loop recycling of automotive LiBs
Location	1 Wakaizumi-cho, Tsuruga-shi, Fukui
Representative	Kazunori Tajiri, Representative Director and President
Capital	20,000,000 yen
Establishment	May 10, 2021
Shareholder	JX Nippon Mining & Metals Corporation (100%)