SUMITOMO RIKO

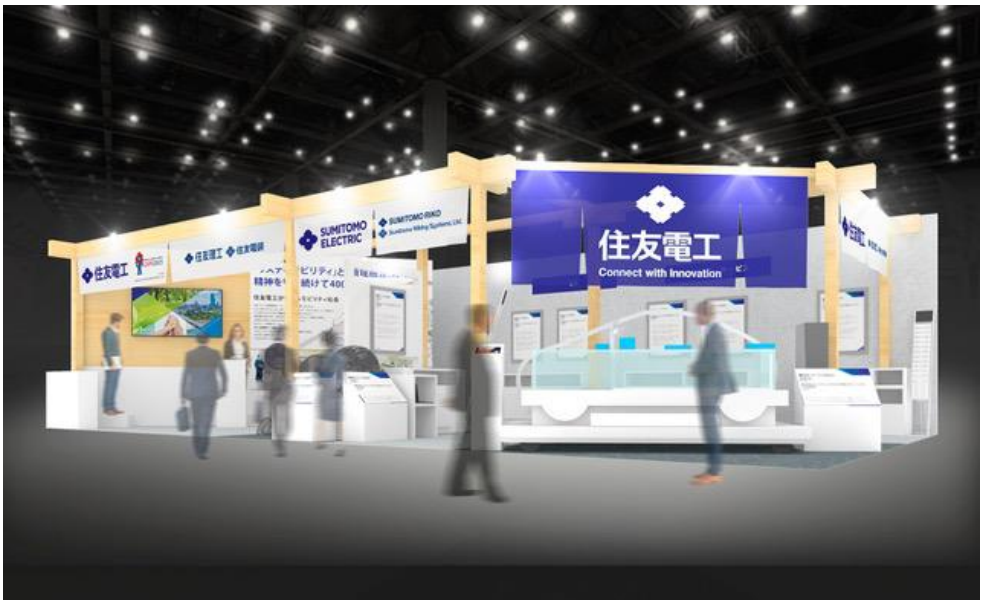
PRESS RELEASE

May 15,2025

Sumitomo Riko Exhibits at the Automotive Engineering Exposition 2025

-Exhibiting insulation materials and systems that support safe and comfortable mobility-

Sumitomo Riko Co., Ltd (Headquarters: Nakamura-ku, Nagoya; President & CEO: Kazushi Shimizu) will exhibit at the Automotive Engineering Exposition 2025, which will be held at Pacifico Yokohama (Nishi-ku, Yokohama) from May 21 (Wed.) to 23 (Fri.) and at Aichi Sky Expo (Tokoname, Aichi) from July 16 (Wed.) to 18 (Fri.).



We will be exhibiting jointly with Sumitomo Electric Industries, Ltd. (Chuo-ku, Osaka) and Sumitomo Wiring Systems, Ltd. (Yokkaichi, Mie). The booth features a large panel display entitled “Mobility Society Supported by Sumitomo Electric” which considers the integration of mobility, energy, and information and communications, and introduces Sumitomo Electric group's initiatives centered on carbon neutrality, energy management, and mobility services.

At the exhibition, we plan to showcase “Thin Film High Thermal Insulation Material: Finesulight®,” “Battery Cooling Plate: Cool fit Plate®,” and “Side Cooling System for Battery” as products related to energy management, and “Driver Monitoring System” and “Light Transmission Interior Components” as products related to mobility services.

<Outline of the exhibition>

Exhibition Name	Automotive Engineering Exposition 2025 YOKOHAMA
Dates	Wednesday, May 21 - Friday, May 23
Venue	Pacifico Yokohama
Booth No.	N22

Exhibition Name	Automotive Engineering Exposition 2025 NAGOYA
Dates	Wednesday, July 16 - Friday, July 18
Venue	Aichi Sky Expo
Booth No.	342

Exhibition Name	Automotive Engineering Exposition 2025 ONLINE
Dates	【STAGE 1】Wednesday, May 14 - Wednesday, June 4 【STAGE 2】Wednesday, July 9 - Wednesday, July 30

<Exhibits>

>>Battery Cooling Plate: Cool Fit Plate

This is a battery cooling product to efficiently cool the bottom of the battery (the upper side of the flow path) and furthermore to equalize the temperature of the battery. It features protrusions in the parallel flow paths, which generate vortex and agitate the fluid boundary layer, resulting in efficient cooling performance. Moreover, by placing the protrusions in the optimal locations, the cooling efficiency can be improved at any point, thereby reducing the temperature difference between different parts of the battery, which contributes to extending battery life.

Lower plate

＞＞Thin Film High Thermal Insulation Material: Finesulight

Using polymer material technology, we have developed a coating technology for silica aerogel (highly insulating filler). When coated on base material such as non-woven fabrics and molding resins, it exhibits higher thermal insulation than still air. This time, we will also exhibits the developed product (textile type). Finesulight, which enhancethe heating and cooling effect of mobility cabin spaces, improve fuel efficiency and electricity consumption, and contribute to longer range.

＞＞Driver Monitoring System（Vital Sensing System）

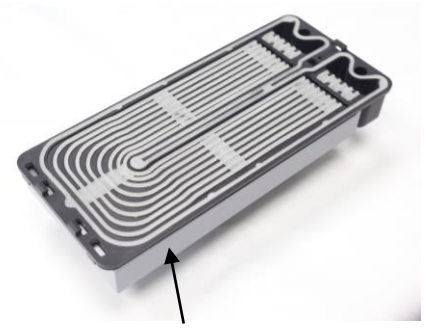
By linking with Sumitomo Electric Group's communication-type function expansion unit, it provides safe and secure driving and labor management services. Our proprietary sensor is processed into a cushion shape and integrated into the seat. By acquiring data on pressure changes on the seat surface measured by the sensor, biometric information (vital data on heartbeat component, respiration component, etc.) can be estimated. Based on the estimated data, signs of driver drowsiness and fatigue can be detected, leading to support for operation managers.

＞＞Light Transmitting Interior Components

This is a product that utilizes our originally developed light-transmissive surface skin to create an interior space. The product provides a high-quality interior under normal conditions, and when in use, the surface skin is linked to the backlight illumination, allowing the user to experience advanced illumination. It can also be used as a sensing device and as an HMI device with switches that are visible only when in use.

＞＞Side cooling system for Battery

This cooling system integrates the functions of absorbing cell expansion/contraction and cooling the sides of the cell. The adhesion process with gaskets is not necessary due to the use of connecting holes. In addition, by forming the front and back flow channels with rubber, this product can absorb cell expansion/contraction and cool the sides of the cell at the same time.



Gray area: Battery

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