

News Release

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Hitachi Astemo to showcase cross-domain control among SDV tech at Automotive Engineering Expo 2024



Rendition of exhibition booth

Tokyo, May 14, 2024 --- Hitachi Astemo, Ltd. (President & CEO: Kohei Takeuchi) will exhibit a wide range of cutting-edge products and solutions for the SDV^{*1} era at the Automotive Engineering Exposition 2024—Wednesday, May 22 to Friday, May 24 at PACIFICO Yokohama (Kanagawa Prefecture). Our exhibitions will include loV,^{*2} xEV,^{*3} AD/ADAS,^{*4} advanced chassis technologies, as well as cross-domain integrated control technology; and motorcycle ADAS technology contributing to improved safety.

*1 SDV: Software-Defined Vehicle

*2 loV: Internet of Vehicles

*3 EV: Electric Vehicle

*4 AD/ADAS: Autonomous Driving / Advanced Driver Assistance System

loV area:

Through display panels and videos, we will introduce loV platforms consisting of on-board computing and back-end solutions that accelerate the evolution of vehicles in the transition to SDVs; and on-board and back-end linkage technologies that support loV platforms, including “Data Collection Technology,” “On-board Test Technology,” and “Software Platform Technology.”

Cross-domain area:

Our exhibition of cross-domain integrated control technology linking loV, xEV, AD/ADAS and

advanced chassis will include a model vehicle exhibition.

xEV area:

The xEV area will feature product displays, display panels, and videos of our “Thin-type Inverter,” an electrification product that contributes to carbon neutrality; “In-Wheel Motor” that integrates the inverter and brake into the motor; and “Integrated Smart Charging System” that enables X-in-1^{*5} electric powertrains and power to be supplied from vehicles to household appliances. In addition, through display panels we will introduce our “Compact e-Axle for BEVs”^{*6} with high dynamic performance that contributes to improved electricity costs.

*5 X-in-1: Generic term for components that combine several parts or functions into one, such as e-Axles, which combine inverters, gears and motors

*6 BEV: Battery electric Vehicle

AD/ADAS area:

This area includes “360° Multi-Camera Sensing” technology, which enables highly accurate and high-resolution 3D sensing to enable autonomous driving on public roads; and “Autonomous driving with cooperative action” technology, which uses AI technology to predict and estimate the driving path of oncoming vehicles—allowing both vehicles to pass each other smoothly.

Advanced Chassis area:

In this area, we will showcase steering and brakes that contribute to upgraded autonomous driving and safety support performance through by-wire technology, as well as our suspension that contributes to improved comfort through AI-based electronic control technology.

Motorcycle area:

This area includes “Motorcycle ADAS” technology, which enhances the adaptability of motorcycles to different driving conditions and contributes to accident mitigation.

Join us at booth 418, where we will showcase our advanced products and solutions for the SDV era.

Hitachi Astemo “Automotive Engineering Exposition 2024” page

https://www.hitachiastemo.com/en/corporate/exhibitions/technology2024_yokohama/

Company Profile

Hitachi Astemo, Ltd.

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Business: Development, manufacture, sales and service of machinery and equipment and

systems for automotive parts and transportation and industrial use

For more information, please visit the Hitachi Astemo website:

(<https://www.hitachiastemo.com/en/>).

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