

Press Release

MetroSnap Concept Car With Acoustic & Thermal Insulation Know-how by FoamPartner

FoamPartner helps Rinspeed drive autonomous e-mobility with advanced sound and thermal management solutions

As in previous years, Swiss mobility think tank Rinspeed has teamed up with specialists from FoamPartner to maximize the electric vehicle (EV) driving experience provided by its latest MetroSnap modular concept car.

The MetroSnap features a 'Skateboard' chassis and quick-change superstructures or 'Pods' for passenger and cargo transportation. It utilizes composite, steel and 3D printed components as well as advanced navigation and safety equipment, including lidar sensors and a drive-by-wire system. The interior design takes advantage of state-of-the-art materials engineering, including lightweighting insulation foam technology from FoamPartner.

"Electric vehicles are known for their 'silent' driving characteristics, which creates a need for dedicated insulation solutions that are capable of reducing the rolling and wind noises transmitted into the passenger compartment," says Kay Kosar, Head of Marketing & Sales Acoustics & Thermal Solutions (A&TS) Europe at FoamPartner. "At the same time, extensive thermal insulation is needed to minimize the battery power consumed for heating and air conditioning, thus maximizing the mileage range."

"The interior design of the MetroSnap pays special attention to providing high aesthetics as well as a durable and protective feel-good environment," adds Frank M. Rinderknecht, CEO at Rinspeed. "FoamPartner is the perfect address for us to meet these needs. Their specialized expertise in acoustic and thermal insulation helps us to maximize the autonomous driving experience," He adds.

The MetroSnap will make its debut at this year's international Consumer Electronics Show (CES) from January 07-10, 2020. Please visit the Osram's booth (#8516) in the North Hall of the Las Vegas Convention Center to learn more about the MetroSnap and the FoamPartner foam solutions.

About FoamPartner Switzerland AG

FoamPartner, founded in 1937 and headquartered in Wolfhausen (Switzerland) and with 14 Centers of Competence across Europe, America and Asia-Pacific, is a global leader in foam technology. The company offers its customers a broad portfolio of best-in-class foam and other material solutions engineered to the highest standards of form, function and quality. More than 1,100 employees worldwide develop, manufacture, process and distribute custom-tailored polyurethane foam products focused on three market segments: Mobility, Specialties, and Living & Care. Visit www.foampartner.com for further information.

About Rinspeed AG

Rinspeed was founded in 1979 by Frank M. Rinderknecht and is recognized as a brilliant Swiss think tank for forward-looking mobility concepts. Starting with the import of solar roofs and the fabrication of vehicles for disabled people, the business soon advanced to various demanding design creations for renowned automotive manufacturers. Since 1990, Rinspeed has been operating with headquarters in Zumikon near Zurich and has repeatedly redefined the theme of mobility with numerous visionary concept cars, from the RINSPEED Roadster and the transformable RINSPEED Presto city speedster or the RINSPEED sQuba zero-emission submersible to the variable RINSPEED microSNAP, the latter including a robotized change station for the vehicle's modular superstructures. Further information can be found at www.rinspeed.eu.



Customized foam solutions in Rinspeed's new MetroSnap concept car illustrate the comprehensive know-how of FoamPartner in lightweighting acoustic and thermal materials for next-generation EVs. (Photos: Rinspeed AG)

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