

SikaDamp®

SILENT PRECISION, SEAMLESS INTEGRATION

MOVING E-MOBILITY FORWARD WITH SikaDamp® INVERTER SOLUTIONS

BUILDING TRUST



MOVING E-MOBILITY FORWARD

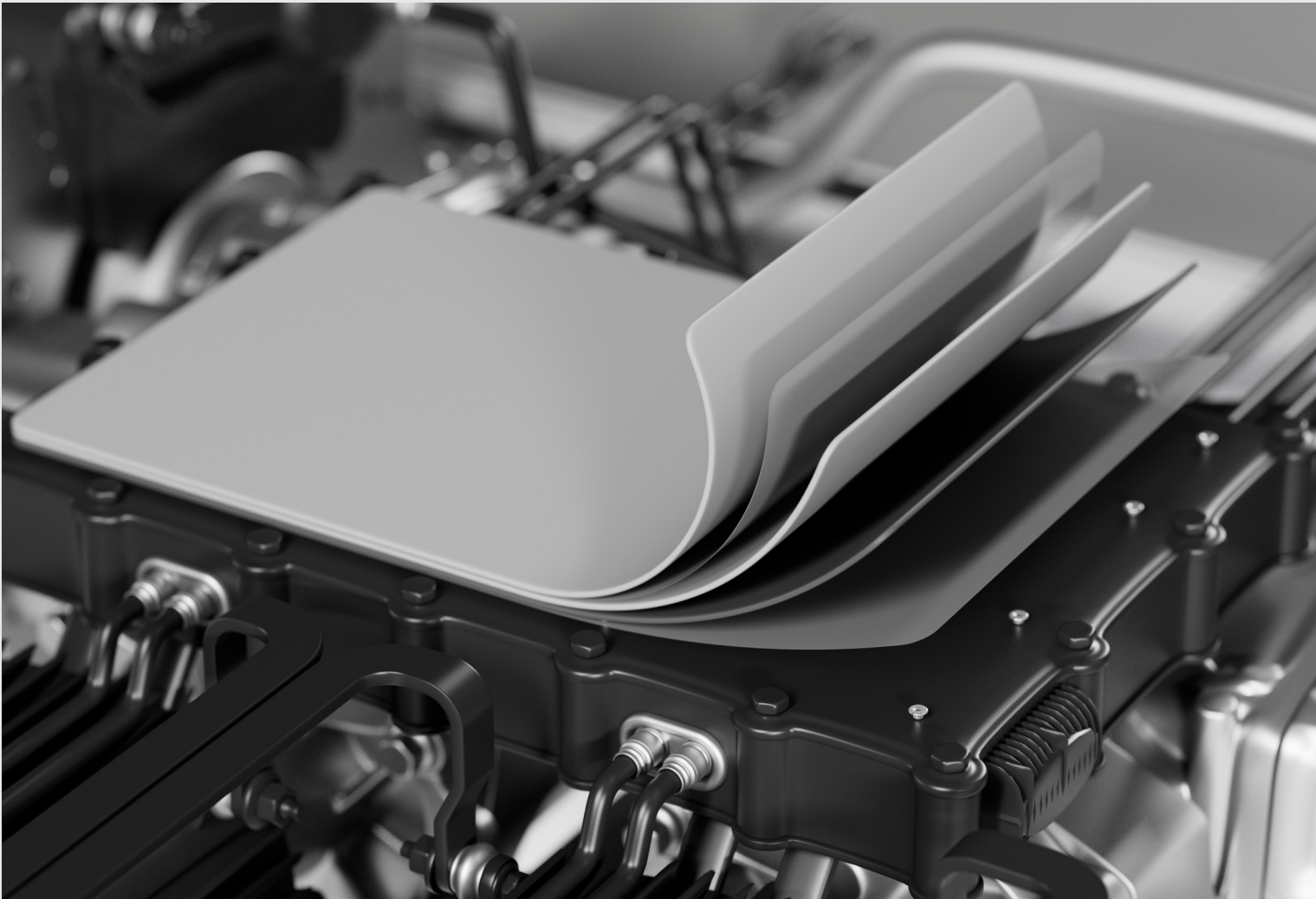
SikaDamp® INVERTER SOLUTIONS

AS ELECTRIC VEHICLES REDEFINE THE FUTURE OF MOBILITY, SikaDamp® emerges as the catalyst for silence and performance. Tailored for the inverter systems that power these innovative vehicles, SikaDamp® sets a new standard in vibration damping, seamlessly reducing noise and elevating the driving experience.

HIGHLY TARGETED, HIGHLY EFFECTIVE
SikaDamp® is versatile in application as a magnetic, self-adhesive, melt-adhesive or peel-and-stick product in standard and custom shapes. Placement and shape of parts can be highly tuned through laser-vibrometer analysis of the entire body panel system, which allows for targeted, cost-efficient use, while achieving maximum damping effect.

SikaDamp®, a proven leader in sound deadening technology, now extends its expertise to the heart of electric vehicles—the inverter. SikaDamp® ensures optimal damping performance and noise radiation reduction for the inverter systems.

SUSTAINABLE SOLUTION
SikaDamp® inverter damping products come with improved sustainability and enables customers to reach their sustainability goals by optimizing energy consumption during assembly and optimized logistic concepts.



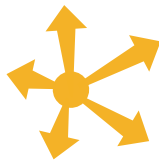
SikaDamp® solutions comprise a broad family of sound deadeners based on elastomers or bitumen, which can also be coupled with a constraining layer. Designed for best-in-class weight-to-performance ratios, while still providing industry-leading damping performance, SikaDamp® can be applied at any point during vehicle assembly or be installed at the stamping location.

- BENEFITS**
- **Enhanced Performance:** SikaDamp® inverter applications combine excellent high frequency vibration damping and effective reduction of noise radiation from the inverter.
 - **Reduced Noise:** By effectively dampening vibrations and minimizing noise, SikaDamp® elevates the comfort of electric vehicle interiors.
 - **Improved Driving Experience:** Experience the future of mobility with SikaDamp®, where silence and performance coexist seamlessly, setting a new standard for electric vehicle excellence.

Well-known OEMs already rely on SikaDamp® as an effective acoustic measure on inverter housings.



TAILORED SOLUTIONS FOR E-VEHICLES
SikaDamp® stands out with best-in-class weight-to-performance ratios. This not only contributes to overall vehicle efficiency but ensures that the specific demands of e-mobility are met with precision and excellence.



APPLICATION VERSATILITY
The pressure sensitive adhesive system can be applied by hand or in an automated process and withstands process temperatures up to 160°C.



LASER-VIBROMETER ANALYSIS
This advanced technique allows for the tuning of placement and shape, ensuring that every application is targeted and cost-efficient. The result is maximum damping effect, elevating the driving experience.

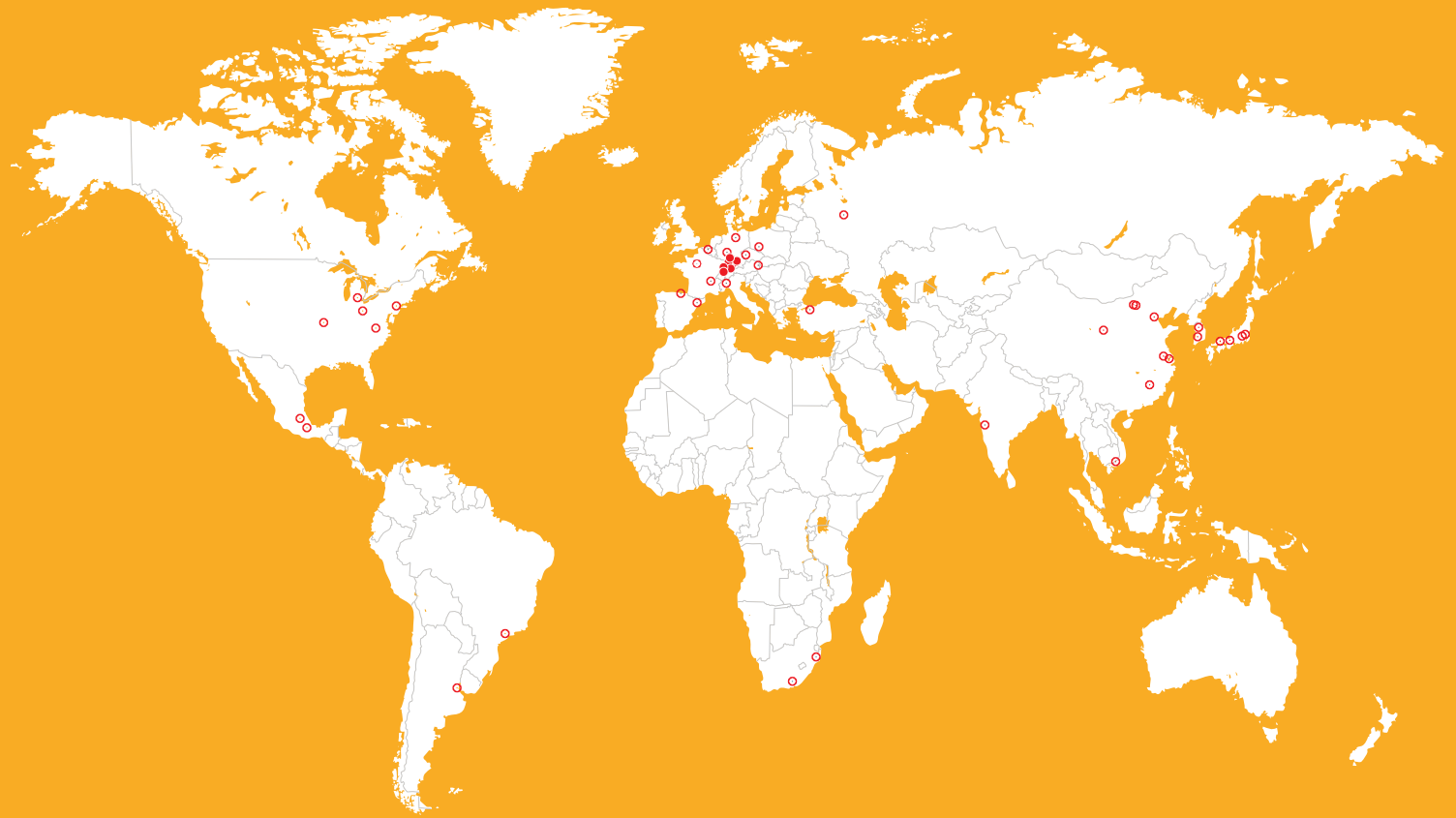
ACOUSTIC CENTERS

Sika Acoustic Test Centers offer the advanced customer support in all relevant stages of the system integration process including material, component, subsystem and system levels.

To assess the effectiveness of the acoustic systems in support of customer product development and optimize the application of Sikas acoustic products, the variety of methods (loss factor measurements, sound absorption / insulation tests, laser vibrometry, transfer path analysis, psychoacoustic evaluation) are used.

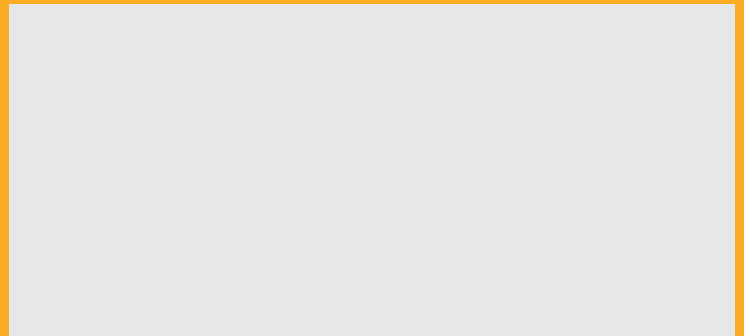


GLOBAL BUT LOCAL PARTNERSHIP



WHO WE ARE

Sika AG, Switzerland, is a globally active specialty chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, facades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature highquality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.



FOR MORE INFORMATION

automotive.sika.com



Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



BUILDING TRUST

