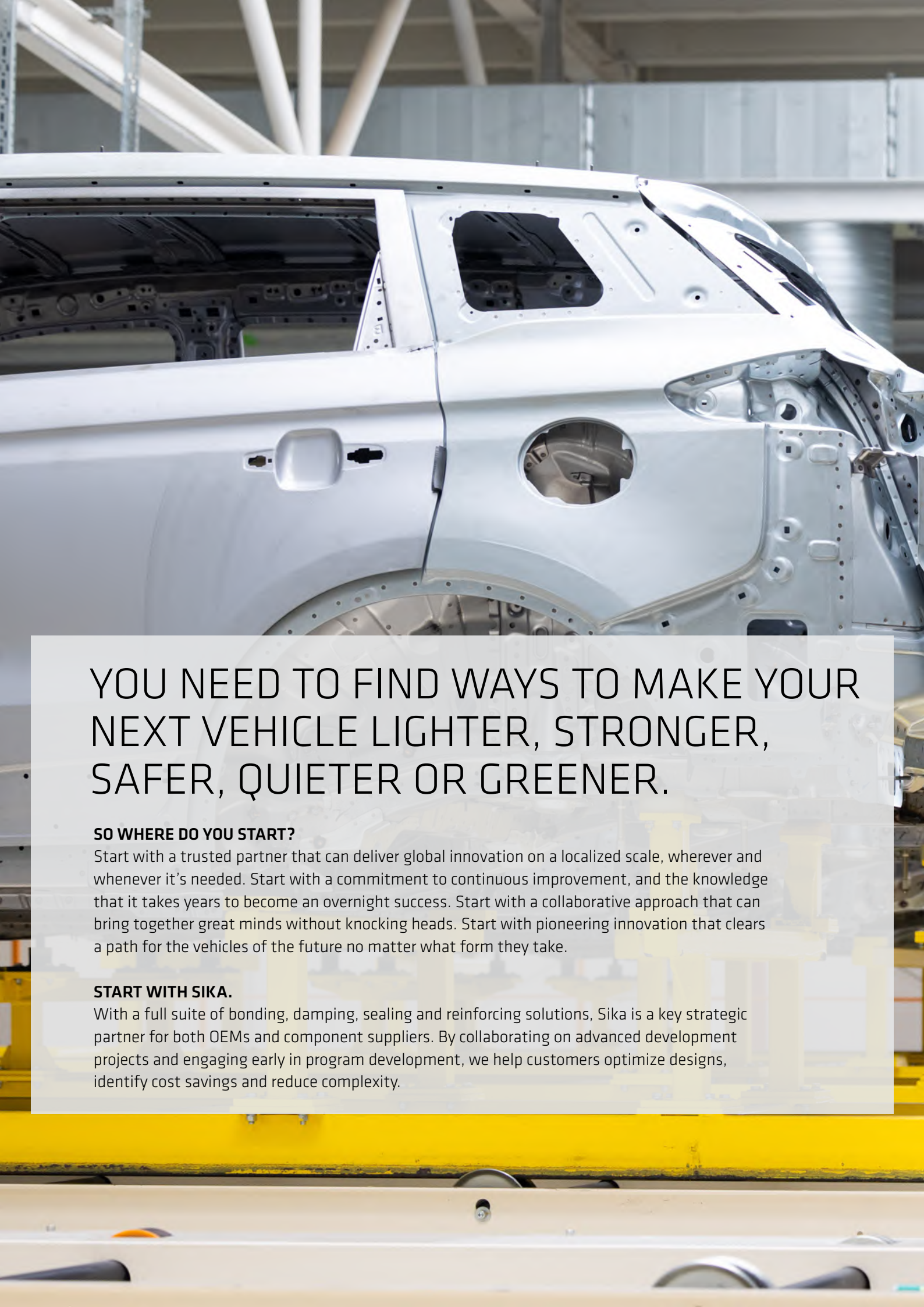
AUTOMOTIVE
BETTER VEHICLES START WITH SIKA

LIGHTER | STRONGER | SAFER | QUIETER | GREENER

BUILDING TRUST



YOU NEED TO FIND WAYS TO MAKE YOUR NEXT VEHICLE LIGHTER, STRONGER, SAFER, QUIETER OR GREENER.

SO WHERE DO YOU START?

Start with a trusted partner that can deliver global innovation on a localized scale, wherever and whenever it's needed. Start with a commitment to continuous improvement, and the knowledge that it takes years to become an overnight success. Start with a collaborative approach that can bring together great minds without knocking heads. Start with pioneering innovation that clears a path for the vehicles of the future no matter what form they take.

START WITH SIKA.

With a full suite of bonding, damping, sealing and reinforcing solutions, Sika is a key strategic partner for both OEMs and component suppliers. By collaborating on advanced development projects and engaging early in program development, we help customers optimize designs, identify cost savings and reduce complexity.

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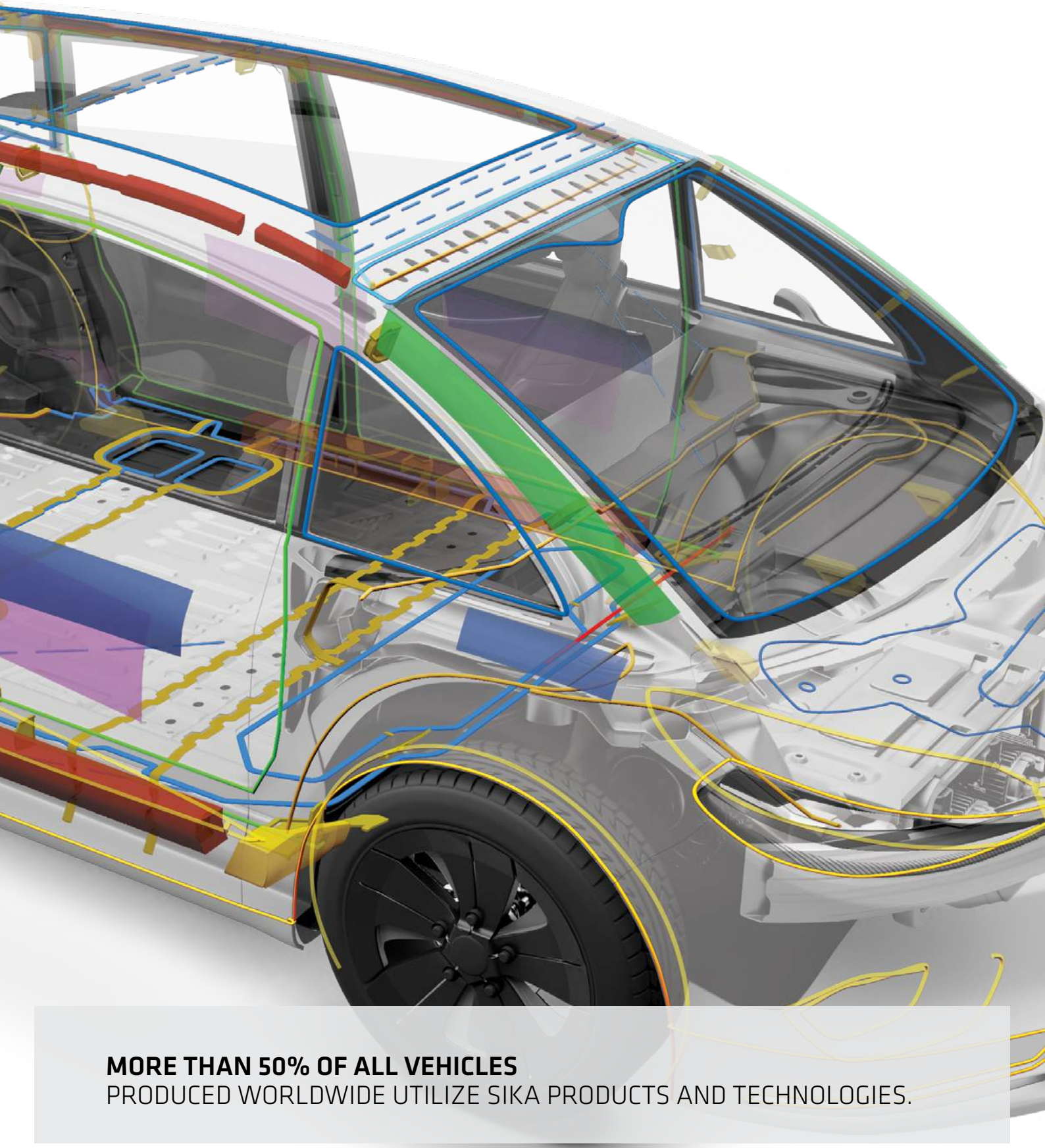
MORE INNOVATIVE SOLUTIONS IN MORE PLACES



MORE THAN 50% OF ALL VEHICLES
PRODUCED WORLDWIDE UTILIZE SIKA PRODUCTS AND TECHNOLOGIES.

GLOBAL RESOURCES AND EXPERTISE

OUR PRODUCT PORTFOLIO INCLUDES solutions for bonding, sealing, damping and reinforcing for vehicle body-in-white, body structure, interior and exterior components. As the industry evolves, we are ready, offering application expertise to New Energy Vehicle components including: advanced body structure, lightweighting, battery, array and pack assembly, sealing and structural bonding, crash safety and intumescent coatings. Sika's wide-ranging solution set gives us the ability to support customers in multiple areas of their manufacturing processes, and provides insight into their broader challenges.

We consistently apply those insights to our R&D efforts and the result is a stream of product and process innovations that help our customers build lighter, stronger, safer, quieter and greener vehicles.

SUPPORTING CUSTOMERS ON A GLOBAL SCALE
As a true partner to the global automotive community, our manufacturing facilities, research and development centers, and partner cooperation footprints are well positioned to support customers throughout the world.

Strategic regional placement allows Sika to deliver greater cost savings and shorter lead times for our products, and accelerated development and implementation of new technologies, which benefits existing and new customers alike.

As the global automotive industry continues to evolve, we continue to enhance our global capabilities to better support our customers.

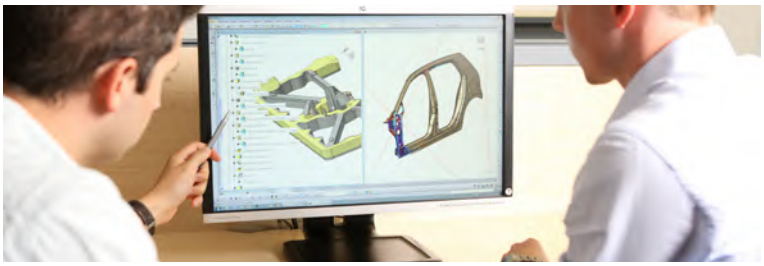
OUR WORLDWIDE NETWORK of 21 Technology and Development Centers throughout the Americas, Europe and Asia includes a dedicated staff of more than 1,000 R&D team members. Through the collaborative nature of Sika's product creation process, our R&D teams work closely with Sika's extensive engineering, technical service and manufacturing teams.

GLOBAL CAPABILITIES

Supporting Our Commitment to Innovation and Our Customers

WITH A SKILLED STAFF of engineers and scientists, who are among the most innovative in the industry, we're able to deliver a stream of proven new materials and process improvements to our OEM and OES customers.

VALIDATION AND TECHNICAL SUPPORT
Our Technical Services team is focused on validating Sika materials to the processes, substrates and specifications required by OEM customers.

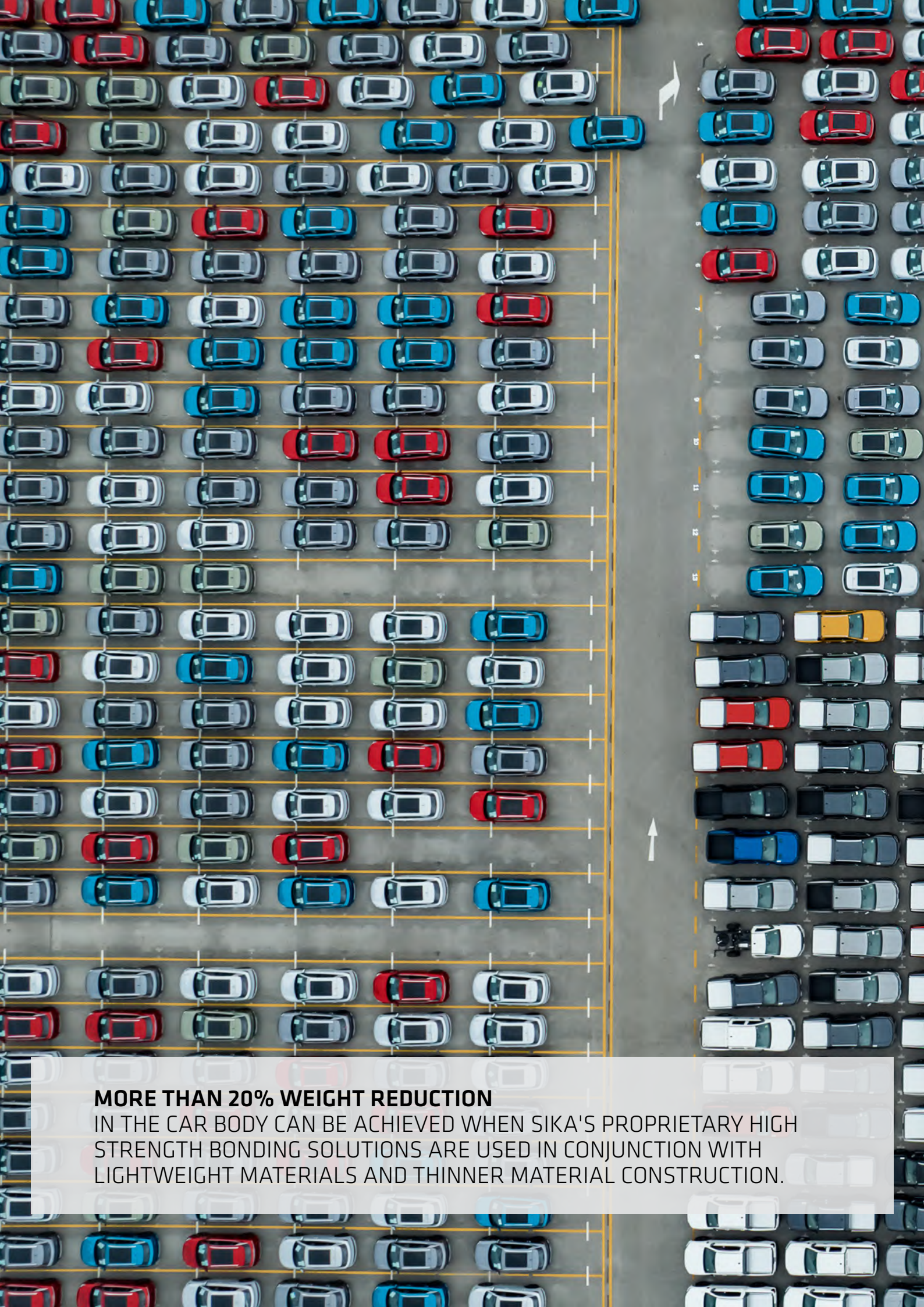


PART CREATION, VALIDATION AND TESTING
Our extensive team of experienced engineers are focused on creating part designs for SikaBaffle® and SikaReinforcer® solutions, with the goal of delivering an optimal mix of function, weight and cost.

SYSTEMS ENGINEERING
Our Systems Engineering experts work to ensure our bulk adhesive and sealant products can be seamlessly integrated into our customers' production processes.

MATERIAL DEVELOPMENT
Our Materials team carries out extensive testing of products and characterization of polymeric and inorganic to ensure we have a full understanding of the products we design.

SURFACE CHARACTERIZATION
Our state-of-the-art surface characterization labs allow us to study the surfaces of a wide variety of materials and substrates to determine the best ways to bond and seal them.



MORE THAN 20% WEIGHT REDUCTION
IN THE CAR BODY CAN BE ACHIEVED WHEN SIKA'S PROPRIETARY HIGH STRENGTH BONDING SOLUTIONS ARE USED IN CONJUNCTION WITH LIGHTWEIGHT MATERIALS AND THINNER MATERIAL CONSTRUCTION.

BODY SHOP STRUCTURAL INSERTS

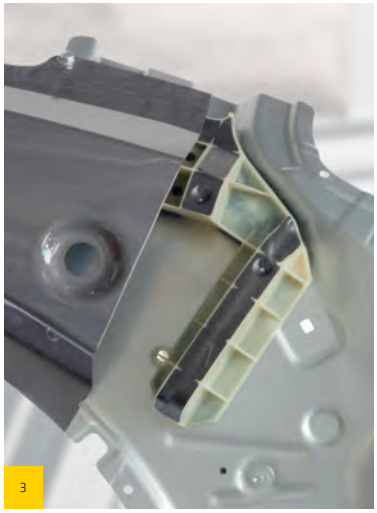
Safer Rides: Adding Strength, Maximizing Design Potential

OUR VERSATILE STRUCTURAL INSERT technologies reinforce car body structures while delivering a variety of process and performance benefits, including improved acoustics. Three-dimensional parts are designed with a SikaStructure® carrier and then secured using either a thermal epoxy foam (SikaReinforcer®) or an adhesive (SikaPower®). Our extensive reinforcement product range also includes structural tapes, stiffener pads and bulk applied solutions for selective panel stiffening. Together, these technologies help create lighter weight, high-performance structures, and enable the creation of a new generation of car body concepts.

1 SikaReinforcer®

KEY PRODUCTS

■ **SikaReinforcer®**	Parts used for stiffness or crash improvement of car body structures
■ **SikaPower®**	High-strength bonding for structural applications



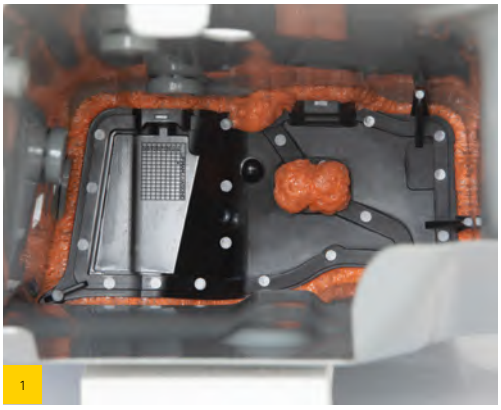
2 SikaPower® being dispensed **3** SikaReinforcer® part in cavity **4** SikaReinforcer® tape on flange

>30% INTERIOR NOISE REDUCTION
IN VEHICLES THANKS TO SIKA'S ACOUSTIC SOLUTIONS.

ACOUSTIC SYSTEMS

Quieter Rides: Weighing Up the Options

NOISE, VIBRATION AND HARSHNESS (NVH) complaints are among the most common concerns cited in new vehicle quality studies, but addressing them by simply adding weight often creates new engineering challenges. Our Acoustic Systems utilize lightweight pre-shaped, molded, extruded and die cut parts within the primary body structure. By sealing the vehicle body cavities, common noise transmission paths are efficiently blocked. We also utilize laser vibrometer analysis to identify body panel vibrations (which can lead to audible noise) and significantly reduce them by using strategically placed dampers.

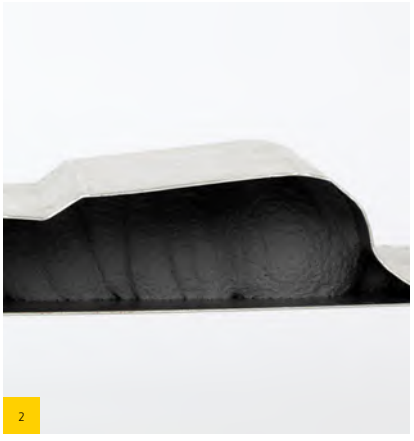


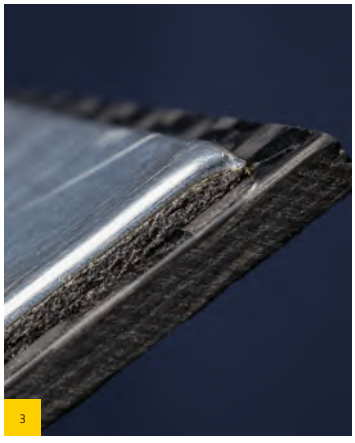
1 SikaBaffle® part expanded in cavity

In sum, our portfolio of solutions in expanding baffle products including bulk applied, and our bitumen monolayer, dual layer, magnetic, elastomeric CLD and ultra-lightweight dampers are unmatched in the industry. The combined acoustic system helps prevent noise from reaching the passenger compartment, all without adding significant weight to the vehicle.

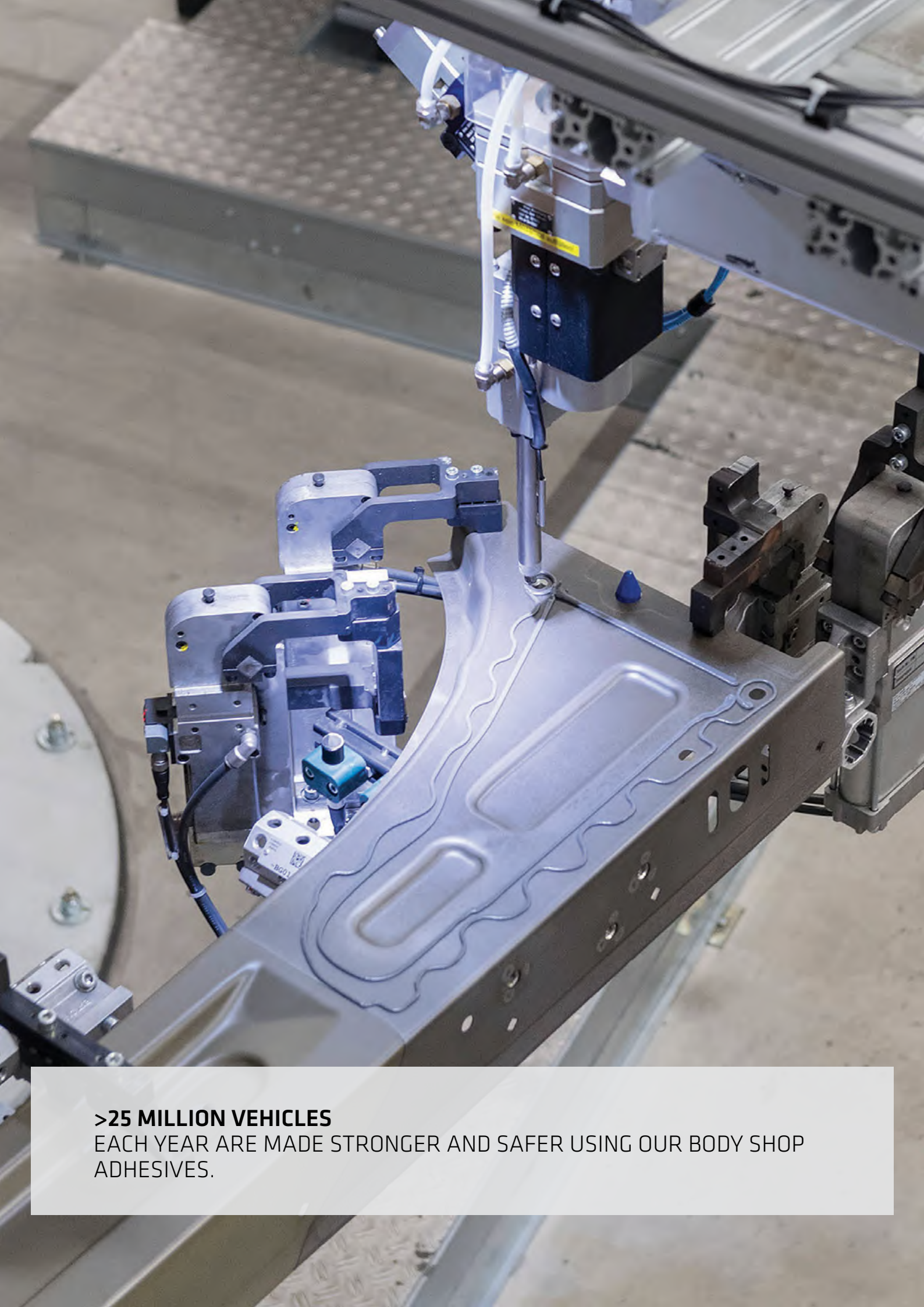
KEY PRODUCTS

■ **SikaBaffle®**	Parts and tapes for sealing
■ **SikaDamp®**	Damping pads with exceptional cost/weight-to-performance
■ **SikaSeal®**	Pumpable sealing options





2 SikaSeal® pumpable **3** SikaDamp®- Ultralight **4** SikaBaffle® Tapes



>25 MILLION VEHICLES
EACH YEAR ARE MADE STRONGER AND SAFER USING OUR BODY SHOP ADHESIVES.

BODY SHOP ADHESIVES

Stronger Bonds: Benefits that Go Beyond the Bond

SAFETY AND SUSTAINABILITY have become key considerations in vehicle design and manufacturing. Performance, economic and legislative targets have all driven the need for bonding solutions that can improve stiffness, crash durability and fatigue performance, all while focusing on continued weight reduction. Sustainability contributions include the ability to reduce or eliminate spot welds, and a contribution to reduced utility costs in the assembly process. Sika provides a wide range of innovative and proven adhesives for crash durable, semi-crash, structural, hem-flange, anti-flutter, mastic and general sealing applications. Innovation continuously addresses emerging needs in the Body Shop. Our newest introductions include SikaSeal® Universal Weld Sealer and SikaPower® MBX, formulated specifically to address the growing requirements of mixed material bonding.

KEY PRODUCTS

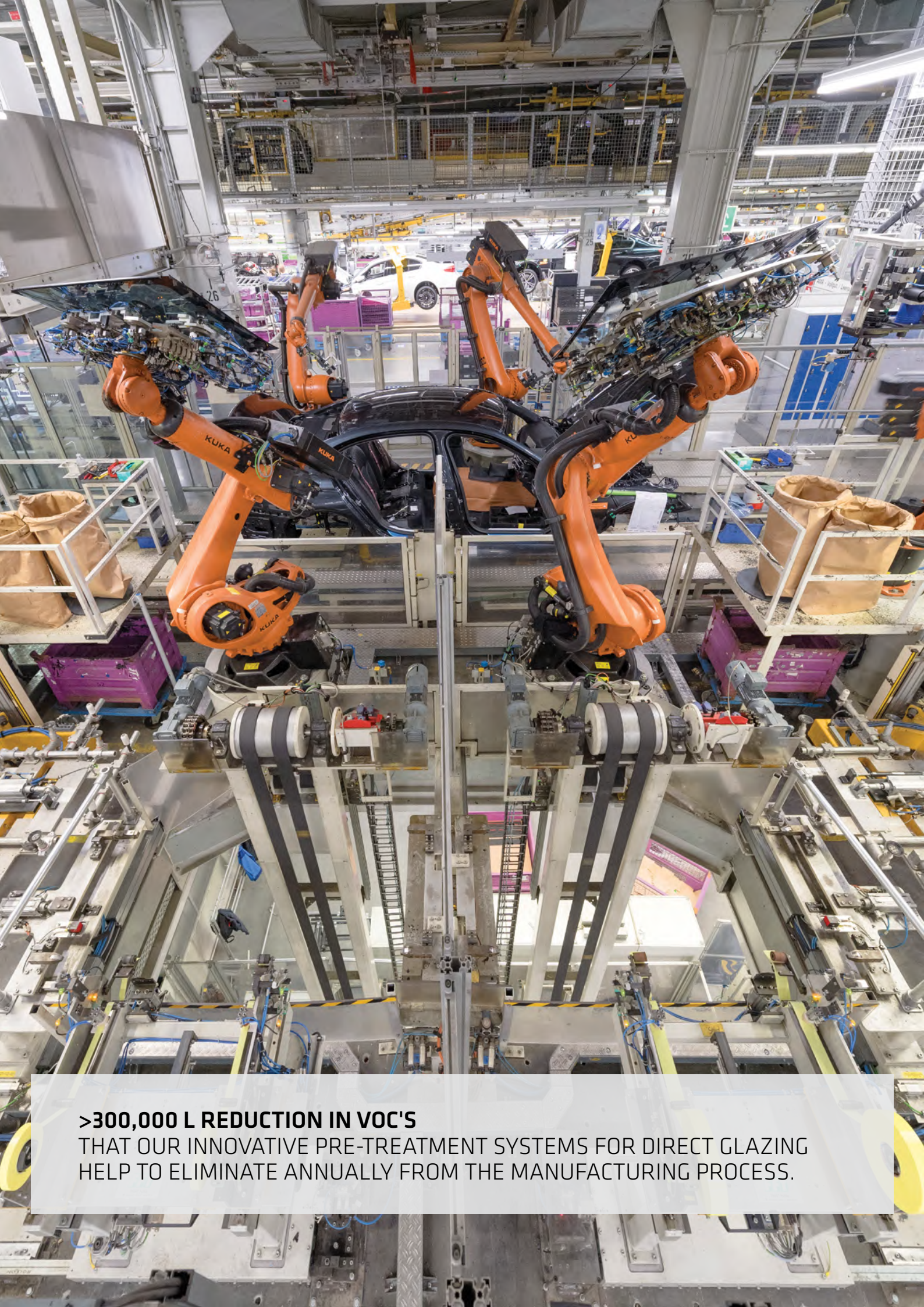
- **SikaPower®** High-strength bonding for structural applications
- **SikaSeal®** Pumpable sealing options

1

2

3

1 SikaPower® MBX - Central tunnel bonding (CFRP - steel) **2** **IMPACT TEST RESULTS:** (**A**) Spot welded (**B**) Spot welded with SikaPower® toughened structural adhesive
3 SikaSeal® applied on the vehicle underbody



>300,000 L REDUCTION IN VOC'S
THAT OUR INNOVATIVE PRE-TREATMENT SYSTEMS FOR DIRECT GLAZING HELP TO ELIMINATE ANNUALLY FROM THE MANUFACTURING PROCESS.

ASSEMBLY LINE ADHESIVES

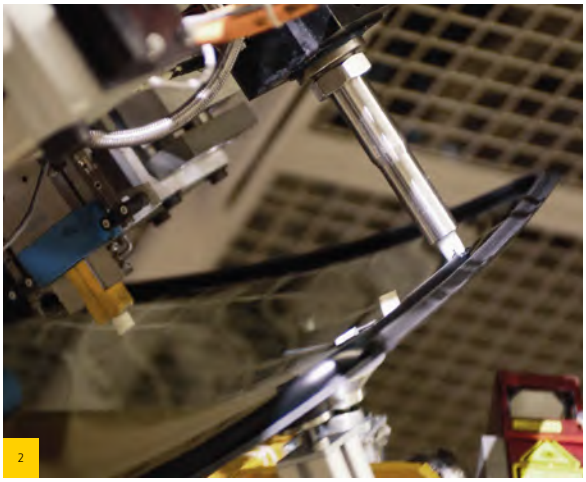
Simplified Processes: Making it Simple and Sustainable

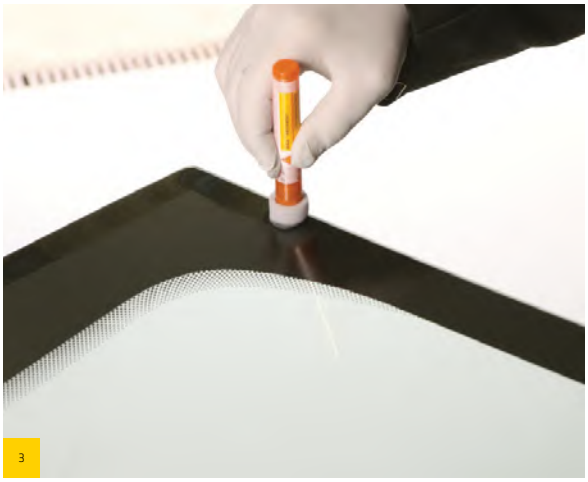
FOR ASSEMBLY LINE PROCESSES – both robotic and manual – we provide high-performance bonding solutions for direct glazing and component bonding, as well as body sealing. As the World leader in polyurethane adhesive systems; innovation keeps our products ahead of the material curve. We also offer innovative elastic bonding solutions for mixed-material joining and metal panel stiffening.

1 SikaForce® dispensed

KEY PRODUCTS

■ **Sikaflex®**	High-performance primerless PU adhesives
■ **SikaForce®**	Multi-purpose 2-C polyurethane-based adhesives
■ **SikaMelt®**	Multi-purpose hotmelt adhesives
■ **Sikasil®**	Silicone-based adhesives for demanding bonding and sealing applications
■ **SikaTack®**	Fast-curing repair adhesives
■ **Pre-treatments**	Activators, Primers and Cleaners for improvement on long term adhesion





2 Sikaflex® applied to a windshield frit **3** SikaAktivator® pre-treatment being applied

30 MILLION HEADLAMPS
BONDED WITH SIKA ADHESIVE TECHNOLOGIES LIGHT THE WAY FOR
15 MILLION VEHICLES ANNUALLY

EXTERIOR ADHESIVES

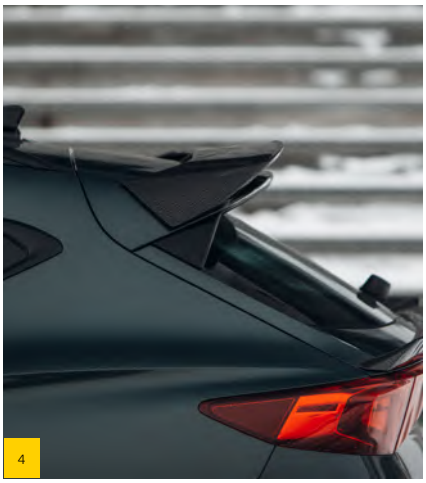
Safer Vehicles: Enhancing Safety, Stiffness and Design Flexibility

EXTERIOR DESIGN isn't just about good looks – components like sun roofs, headlamps, spoilers and tailgates also play an important role in functionality, aerodynamics, driver visibility and vehicle safety. Assembly and bonding of those components to the exterior, presents its own unique challenges. Our exterior bonding technologies provide an efficient and proven way to bond exterior automotive parts, while keeping weight low, meeting expectations for environmental performance and accommodating manufacturing requirements.

KEY PRODUCTS

■ **Sikaflex®**	High-performance PUR adhesives - glass & component bonding
■ **SikaForce®**	Multi-purpose 2-C polyurethane-based adhesives - spoilers, tailgates & trim
■ **Sikasil®**	Silicone-based adhesives for demanding bonding and sealing applications - headlamps
■ **SikaMelt®**	Multi-purpose hotmelt adhesives - headlamps & spoilers

1 Roof modules



2 Spoiler **3** Headlamps **4** Liftgate

30 MILLION VEHICLES
PRODUCED ANNUALLY WORLDWIDE CONTAIN SIKA LAMINATION ADHESIVES.

INTERIOR ADHESIVES

Simplified Processes: Tailor-Made for More Flexible Manufacturing

A FLEXIBLE MANUFACTURING CONCEPT
can create almost unlimited options for the consumer, particularly in the world of interior trims. Interior bonding is a vital part of this vision, but the increasing mix of challenging material combinations must be accommodated. Our technologies for lamination, flocking and assembly allow designers to create attractive, soft feel surfaces while still meeting the process and technical application requirements. These low-emission products (including a family of classification-free products) allow for easy application, short cycle times, and enable bonding to the most difficult substrates like polyethylene, polypropylene and polyamide 66.

1 Leather interior

KEY PRODUCTS

■ **SikaMelt®**	Multi-purpose hotmelt adhesives
■ **SikaSense®**	Multi-purpose adhesives for interior parts applications
■ **SikaTherm®**	Multi-purpose adhesives for flocking and lamination applications

2 Door panel **3** Flocking of the glove box

>25% OF ALL VEHICLES
PRODUCED IN SOUTH AMERICA USE SIKA PAINT SHOP SEALERS FOR BETTER ACOUSTIC PERFORMANCE AND CORROSION PROTECTION.

PAINT SHOP SEALANTS

Better Processes: Meeting the Need for Efficiency and Flexibility

FINDING MORE ENERGY-EFFICIENT and environmentally friendly paint systems is a critical challenge for automotive manufacturers. We offer a wide range of paint shop sealers to meet the cost, performance and environmental targets of our customers. Superior acoustic performance, lightweight and compatibility with modern paint systems are key drivers for our dedicated R&D Team. Through a strategic investment in the most efficient modern production equipment, we have been able to meet, and more often exceed, the automotive industry's highest standards.

KEY PRODUCTS

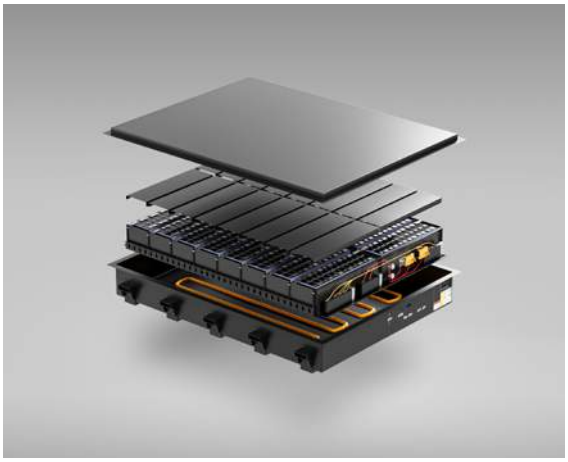
■ **SikaSeal®**	An impressive body of sealing options
■ **Sikaflex®**	Reliable performance across a broad range of applications

1 SikaSeal® being applied by spray **2** Underbody application of SikaSeal®

MORE THAN 50% OF VEHICLES PRODUCED ANNUALLY CONTAIN SIKA PRODUCTS, INCLUDING THE NEWEST EV PLATFORMS. OUR DEEP RANGE OF PRODUCTS FOR NEV AND NEV COMPONENT ASSEMBLY ENABLES KEY ARCHITECTURE CHALLENGES IN THE ACCELERATING TREND OF ELECTRIC POWERTRAINS.

CHARGE YOUR AMBITION; SOLUTIONS FOR BATTERY SYSTEMS

Tailored Products for Improved Performance and Maximized Occupant Safety



CHARGE YOUR AMBITION WITH SIKA. As an industry leading specialty chemical group with over 100 years of extensive knowledge in bonding, sealing, damping, reinforcing and protecting, our Global Business rapidly understands challenges of New Energy Vehicles and transfers benefits of the extensive Sika group R&D efforts throughout our global network into this demanding market arena.

With more than three decades of Bonding and Sealing experience in the Automotive Industry, Sika leverages a pole position to tackle the new challenges of battery housing assembly, featuring products with especially outstanding adhesion on plain metals and chemical resistance to glycols and transmission fluids. Using our long term experience in dielectric potting, we have taken the path to develop thermal interface materials for battery systems including silicone-free thermal conductive adhesives and gap fillers providing the best performance for optimum heat transfer in battery packs and modules. Our dielectric products are also found in grommets and connectors, controllers and relays as well as serving to encapsulate high performance electric drive motors.

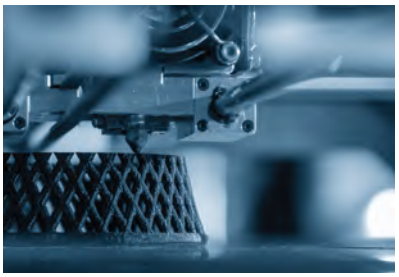
TECHNOLOGY OVERVIEW – SOLUTIONS FOR BATTERY SYSTEMS CONSTRUCTION AND ASSEMBLY

Application Method	Product	Key Benefits
Structural Bonding	SikaPower®	■ Structural cross members ■ Housing structure ■ E-Coated Parts
	SikaForce®	■ Structural cross members ■ Housing structure ■ E-Coated Parts
Sealing	Sikaflex®	■ Lid sealing
	Sikasil®	■ Pack sealing
Thermally Conductive Gap Fillers	SikaBiresin®	■ Module to cooling plate gap filler
Thermally Conductive Adhesives	SikaForce®	■ Cell to cooling plate bonding
	Sikaflex®	
Potting & Encapsulation	SikaBiresin®	■ Casting
		■ Potting

BUILDING TRUST EVERY DAY

Protecting the past. Building the present. Moving the Future Forward

Better cars aren't the only thing we build. Sika's commitment to innovation is driven by a passion for developing advanced solutions that enhance vehicle performance, safety, comfort and sustainability.



3D PROTOTYPING |

At the forefront of 3D printing innovation, Sika enables rapid prototyping for faster concept validation and shorter development cycles. Their material technologies support the creation of durable, functional prototypes that simulate final performance. This allows automotive engineers to experiment, iterate, and optimize designs more efficiently than ever before.

AUTOMATION |

Sika is transforming automotive manufacturing through advanced automation technologies that improve speed, consistency, and cost-efficiency on the assembly line. By integrating robotics and automated application systems, Sika helps reduce cycle times and labor costs while boosting product quality. Their solutions are tailored to the evolving needs of OEMs, ensuring flexibility across vehicle platforms.

DIGITALIZATION |

Digitalization marks a major shift in how vehicles are designed and built, and Sika is embracing this transformation. Through smart materials and digital integration, Sika enables data-driven design processes, quality assurance, and predictive maintenance. These innovations create a more connected, efficient, and adaptive production environment for the automotive industry.

EV IMPROVEMENT |

Electric vehicles (EVs) are rapidly evolving, and Sika plays a key role in enabling this progress. Their products address critical EV challenges like battery safety, lightweight construction, and thermal regulation. By optimizing structural integrity and material performance, Sika helps extend driving range, improve energy efficiency, and support next-generation EV platforms.

VEHICLE LIGHTWEIGHTING |

Sika helps automakers achieve critical lightweighting goals without compromising strength, safety, or performance. Their adhesives and reinforcements enable the use of thinner substrates, lightweight composites, and multi-material designs. As regulations tighten and consumers demand higher efficiency, Sika's technologies play a pivotal role in enabling greener, leaner vehicles.

COMFORT AND SAFETY |

Sika contributes significantly to the development of vehicles that are both safer and more comfortable. Their technologies enhance acoustic insulation, structural integrity, and passenger protection. From noise-damping materials to high strength adhesives, Sika's products help OEMs deliver premium driving experiences with confidence and compliance.

GLOBAL REACH |

Sika's global presence ensures consistent product availability and technical expertise across all major automotive markets. Their local teams offer on-site support and rapid response, helping OEMs navigate regional challenges while maintaining high standards. This international infrastructure fosters agility and reliability in an increasingly globalized industry.

INTEGRATED SOLUTIONS |

Sika delivers a comprehensive suite of integrated solutions spanning bonding, sealing, damping, and reinforcing functions. Their cross-functional products are designed to work in harmony, simplifying assembly workflows and reducing complexity. This systems-based approach drives performance and compatibility across every vehicle structure.

VALUE ADDED INNOVATION |

Innovation is at the core of Sika's value proposition, with a constant focus on improving product performance and customer outcomes. Their R&D teams develop cutting-edge solutions that address evolving trends in electrification, sustainability, and design flexibility. These innovations aren't just technical upgrades—they provide real-world value by enhancing manufacturing efficiency and product longevity.

BETTER VEHICLES START WITH SIKA

LIGHTER | STRONGER | SAFER | QUIETER | GREENER

SUSTAINABILITY STARTS WITH SIKA

AT SIKA, WE BELIEVE building a better future starts with more sustainable vehicles. From raw materials to final assembly, we develop advanced bonding, sealing, and reinforcement solutions that help reduce emissions, improve energy efficiency, and support circular design.

LIGHTER, CLEANER VEHICLES

SikaReinforcer® technologies reduce the need for heavy steel reinforcement, allowing for thinner gauge metals and fewer weld points. This not only improves crash safety and stiffness but also leads to measurable reductions in fuel consumption and vehicle weight.

LOW BAKE. HIGH IMPACT

As the shift to electric and hybrid vehicles accelerates, Sika's low bake technologies are enabling energy-efficient manufacturing. Our full portfolio of sealants, adhesives, and acoustic materials cures at lower oven temperatures – helping OEMs reduce operational costs, decrease energy consumption, and meet their sustainability targets. Some products cure at just 135–140°C, saving up to 15 minutes per cycle in the paint shop.

LOWER CARBON, START TO FINISH

SikaPower® adhesives help reduce spot welds by up to 1,000 welds per car, with no compromise on crash safety or rigidity.

BUILT FOR TOMORROW

Sika had anticipated the shift to the new EHS standards early on, by creating Purform®, with ultra-low MDI content. Sika's Purform® technology eliminates this complexity by reducing hazardous labeling requirements, enabling safer handling across production lines. From recyclable chemistries to energy-saving materials, Sika is investing in next-generation innovation to support the transition to more sustainable mobility. Our solutions address every stage of the vehicle lifecycle – helping OEMs and suppliers meet aggressive carbon-reduction goals without sacrificing performance or production speed.

Learn more: **usa.sika.com/sustainability**

START WITH SIKA

25 MILLION VEHICLES +

MADE STRONGER AND SAFER EACH YEAR WITH OUR BODY SHOP ADHESIVES.

2 IN 5

WINDSHIELDS WORLDWIDE ARE BONDED EVERY YEAR WITH SIKAFLEX.®

10 MILLION

DOORS

ARE WATER PROVEN BY USING SIKAMELT® PRESSURE SENSITIVE ADHESIVE FOR ASSEMBLY AND SEALING .

> 1 MILLION BATTERIES

FOR E MOBILITY ARE PRODUCED ANNUALLY USING SIKA PRODUCTS FOR SEALING & BONDING, THERMAL MANAGEMENT AND FIRE PROTECTION.

MORE THAN

300,000 LITERS

VOC REDUCTION THROUGH THE USE OF SIKA'S PRIMERLESS TO GLASS WATER-BASED PRE-TREATMENT SYSTEMS.

1,000,000 TONS

STEEL SAVED ANNUALLY WITH SIKAPOWER® MBX, SIKAPOWER® AND SIKASEAL® IN CONJUNCTION WITH LIGHTWEIGHT MATERIAL SELECTION.

>70 MILLION

HEADLAMPS BONDED WITH SIKA ADHESIVE TECHNOLOGIES LIGHT THE WAY FOR MORE THAN 35 MILLION VEHICLES ANNUALLY CONSTRUCTION.

MORE THAN

600 MILLION

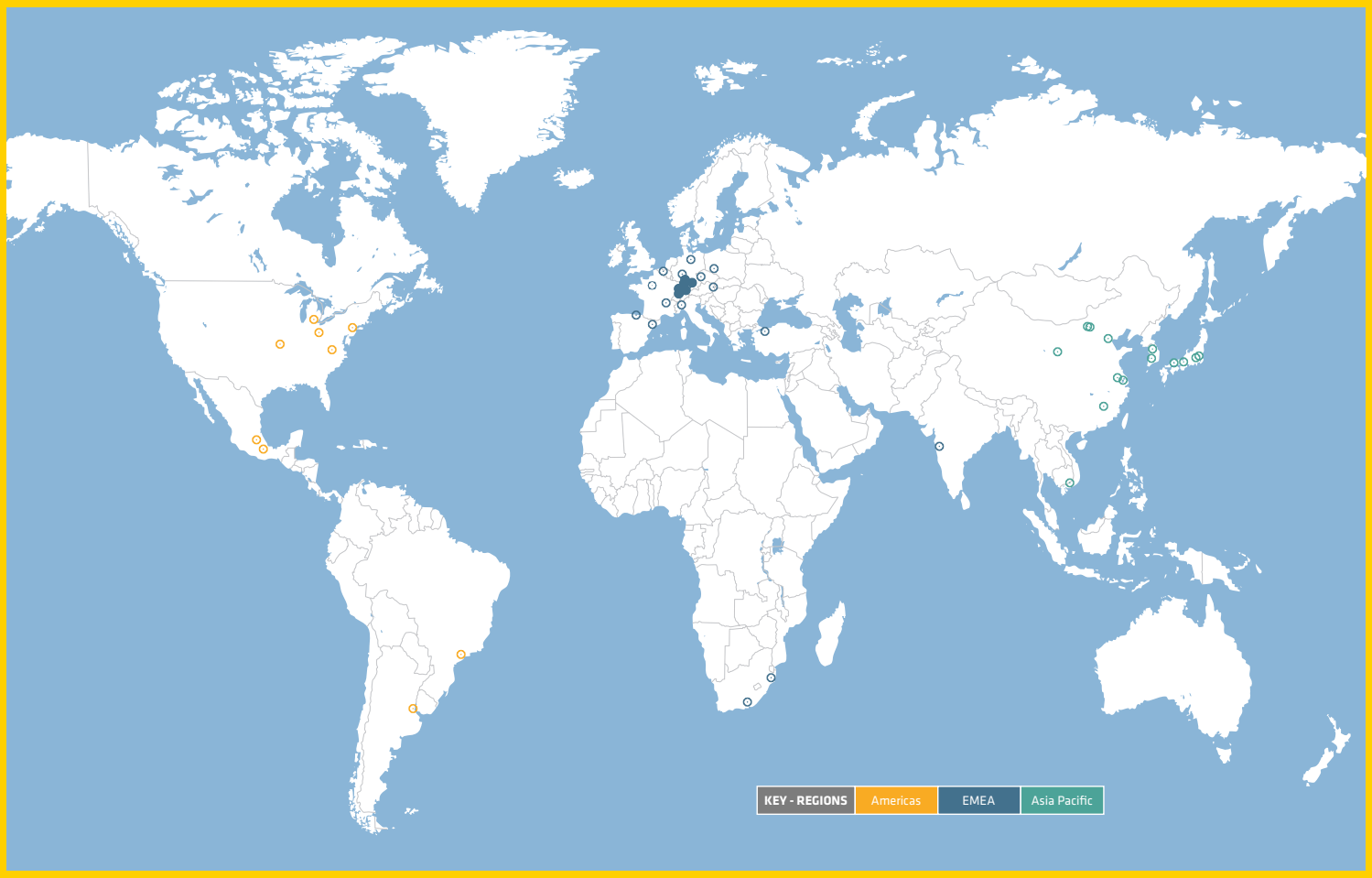
PARTS BASED ON OUR SIKADAMP®, SIKABAFFLE® AND SIKAREINFORCER® TECHNOLOGIES SUPPLIED ANNUALLY.

MORE THAN

30%

INTERIOR NOISE REDUCTION IN VEHICLES THANKS TO SIKA'S ACOUSTIC SOLUTIONS.

GLOBAL REACH BUT LOCAL PARTNERSHIP



START WITH SIKA
scan the QR code BELOW:

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

Certified Quality System ISO 9001/EN 29001 since 1986

Certified Management System ISO 14001 since 1997

www.sikaautomotive.com

BUILDING TRUST

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