

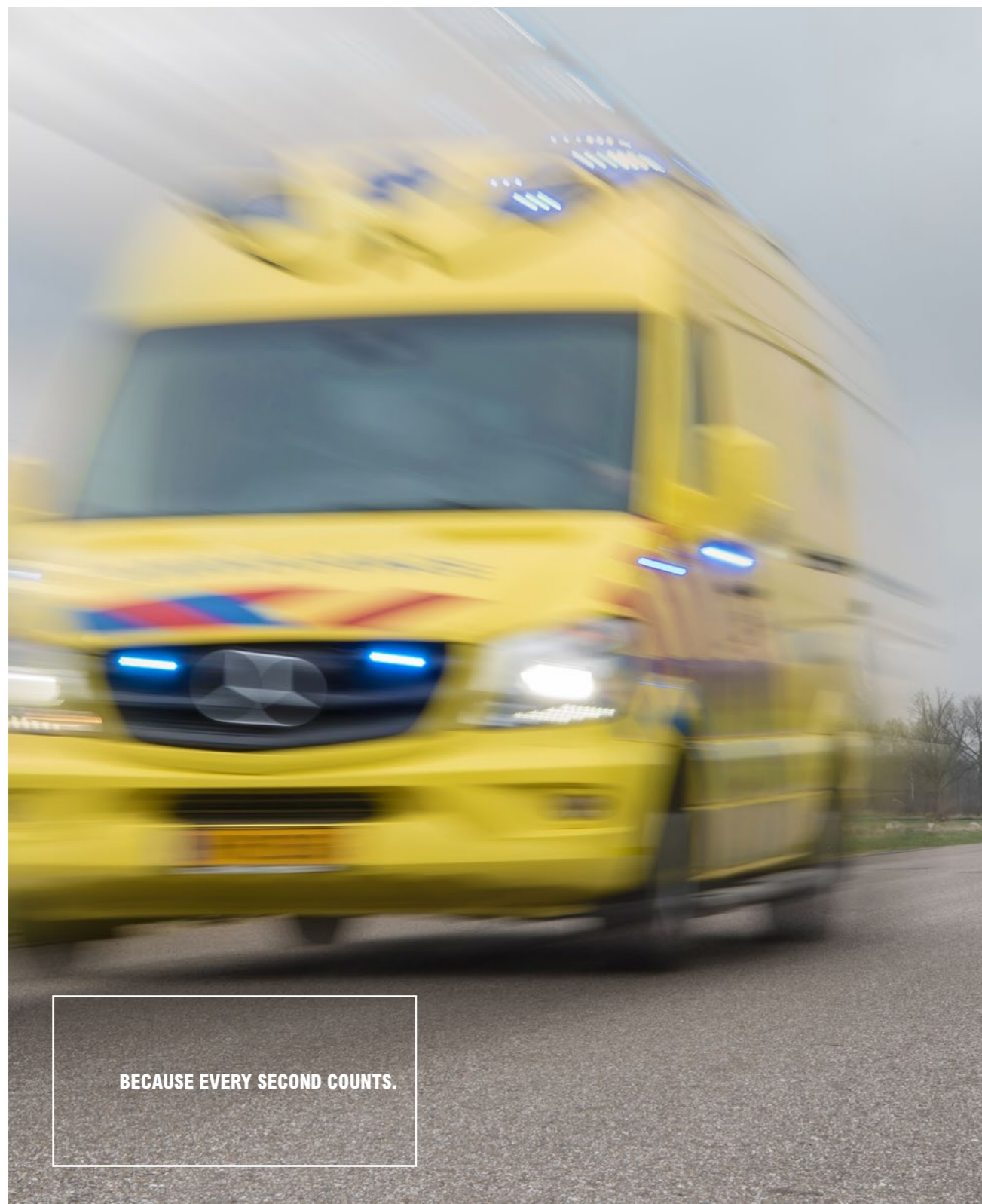
SUSPENSION SYSTEMS

making everyday smoother



**VB-AIRSUSPENSION SUPPORTS YOU
IN EVERY EMERGENCY.**

Ambulances



BECAUSE EVERY SECOND COUNTS.

You've seen and heard it from a distance – ambulances rushing to an acute emergency with lights flashing and sirens blaring. Time is of the essence, and the patient needs to be transported to the hospital quickly and safely. Every second counts. Emergency crews are measured on the time taken to arrive at an incident. That requires vehicles to be ready and operational at all times. Despite the best possible efforts, meeting this target is a tough task. With our innovative air suspension systems and suspension applications, we contribute to **a shorter drive time and a fast, safe ride to the hospital.**

WORKING TOGETHER CAN SAVE LIVES.

Many ambulances have a high centre of gravity and are equipped with complex, sophisticated equipment for administering professional first aid. In (acute) emergencies, the patient must be reached as quickly as possible and transported in a safe and stable manner. This is only possible if the driver can rely on a vehicle that is in perfect working order and is easy to manoeuvre.

IN AN EMERGENCY, THE DRIVER SHOULD BE FOCUSING ON ONE THING ONLY: THE ROAD.

Our intelligent air suspension systems and suspension applications ensure that the ambulance remains stable and easily manoeuvrable under all conditions, even when it's heavily laden. The ambulance is less sensitive to crosswinds and unevenness in the road surface, leans less when cornering and responds effectively during sudden evasive and braking manoeuvres. These advantages ensure that the ambulance travels to and from an emergency more efficiently, more quickly and more safely than with a traditional suspension system, whilst also guaranteeing a high payload and maximum comfort for medical personnel and of course the patient.

Our air suspension system allows for short lowering and raising times, meaning that ambulance staff have easier access to the ambulance when loading and unloading the stretcher. It is even possible to set default heights for loading and unloading. Our many years of experience make us a solid partner for manufacturers and producers, and we are always thinking in terms of solutions.



OUR AIR SUSPENSION SYSTEMS REDUCE THE PHYSICALLY DEMANDING WORKLOAD OF THE MEDICAL PERSONNEL. OUR SUSPENSION SYSTEMS ALLOW FOR SHORT LOWERING AND RAISING TIMES, MEANING EASIER ACCESS TO THE AMBULANCE WHEN LOADING AND UNLOADING THE STRETCHER.

	Increasing the ride height	Reducing the off-centre level	Reducing vehicle roll	Improving suspension comfort	Improving driving characteristics	Increasing safety	Improving stability	Control options
VB-FULLAIR Full air suspension	++	++	++	++	++	+	+	++
VB-COILSPRING Helper and reinforced springs	++	+	++	+	+			
REINFORCED STABILISERS VB-SpecialParts		++	++		+		+	
REINFORCED SHOCK ABSORBERS VB-SpecialParts			+	+	+			
VB-FSDSHOCKABSORBER* VB-FSD technology			++	++	++			
VB-FSDSTRUT** VB-FSD technology	++	+	++	++	++			

* The VB-FSD shock absorber is a shock absorber for both the front and rear axle.

** The VB-FSD strut is a combination of a VB-FSD shock absorber and VB-CoilSpring for the front axle. It is only available for a PFC X250/X290 chassis.

GET A BETTER GRIP ON THE SITUATION WITH VB-AIRSUSPENSION.

Our air suspension systems are fully automatic (adjustable) solutions for suspension problems. The traditional suspension is replaced by a full air suspension system that filters out unevenness in the road surface, thereby increasing ride comfort. As a result, the vehicle is kept as stable as possible when transporting the patient, medical personnel and sophisticated equipment. Furthermore, the breaking distance is shorter, which helps to ensure greater safety and reduces CO₂ emissions.

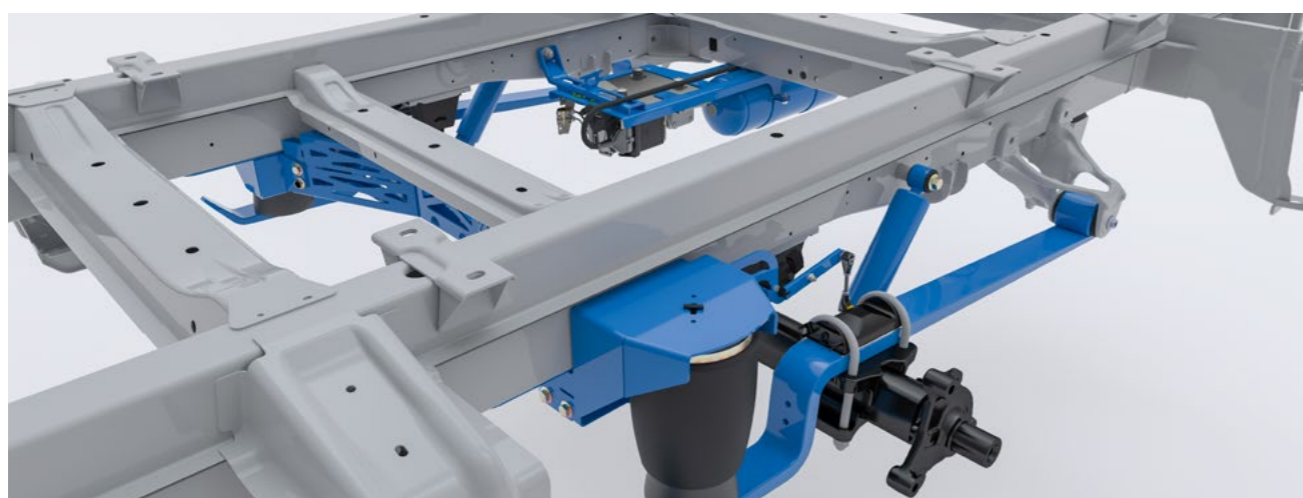
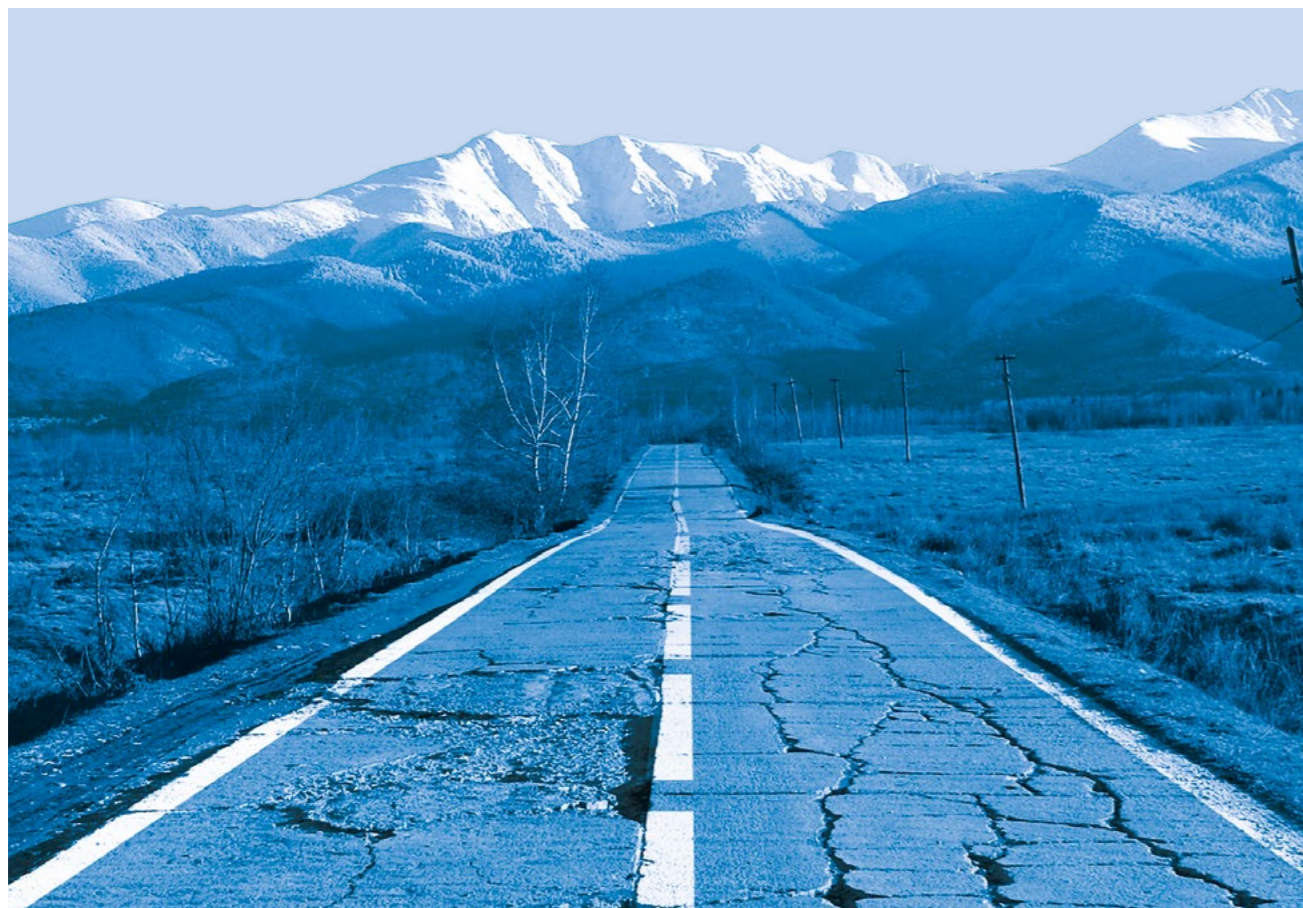
MEDICAL PERSONNEL SHOULD BE ABLE TO CONCENTRATE ON SAVING LIVES.

When the ambulance is stationary, the rear height of the ambulance can be changed automatically, making it easier to load and unload the stretcher. In addition, our air suspension systems have a lower weight than a tailgate.

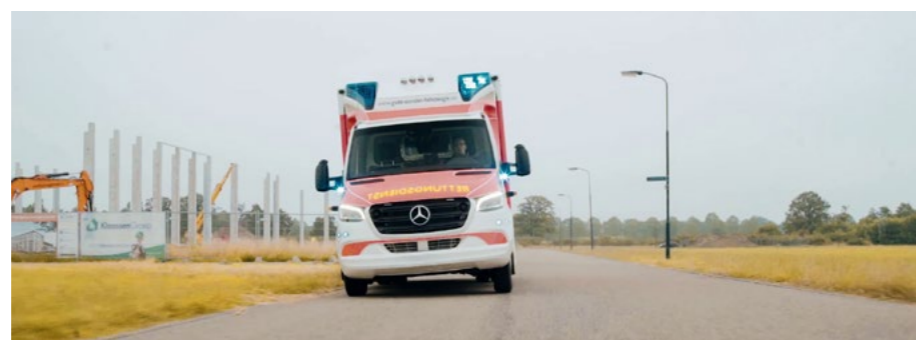
Our air suspension system allows for short lowering and raising times, meaning that medical staff have easier access to the ambulance when loading and unloading the stretcher at the push of a button. This way, our air suspension systems reduce the physically demanding workload of the medical personnel.

BENEFITS OF VB-FULLAIR:

- REDUCES THE PHYSICALLY DEMANDING WORKLOAD OF MEDICAL PERSONNEL
- SHORT LOWERING AND RAISING TIMES WHEN LOADING AND UNLOADING THE STRETCHER
- THE AIR SUSPENSION SYSTEMS HAVE A LOW WEIGHT RELATIVE TO THE TAIL LIFTS
- QUICK AND SAFE RIDE THANKS TO HIGH VEHICLE STABILITY, EXCEPTIONAL RIDE COMFORT AND OPTIMUM DRIVEABILITY



FIRST AID CAN BE DELIVERED WITH IMPROVED STABILITY, INCREASED COMFORT AND GREATER SAFETY.



VB-AIRSUSPENSION IS ACTIVE WORLDWIDE.

As a leading company undergoing rapid growth, we want people all across the globe to benefit from our premium suspension applications and (air) suspension systems. Why? Because this ensures more comfort, better handling and greater safety. In other words: we make life around us a smoother ride.

MAKING EVERYDAY SMOOTHER.

In line with this motto, we get the best out of ourselves every day for our customers – and we've been very successful so far! We have been amassing experience since 1993 and are now a leading adviser, developer and supplier of (air) suspension systems for light to medium-duty commercial vehicles.

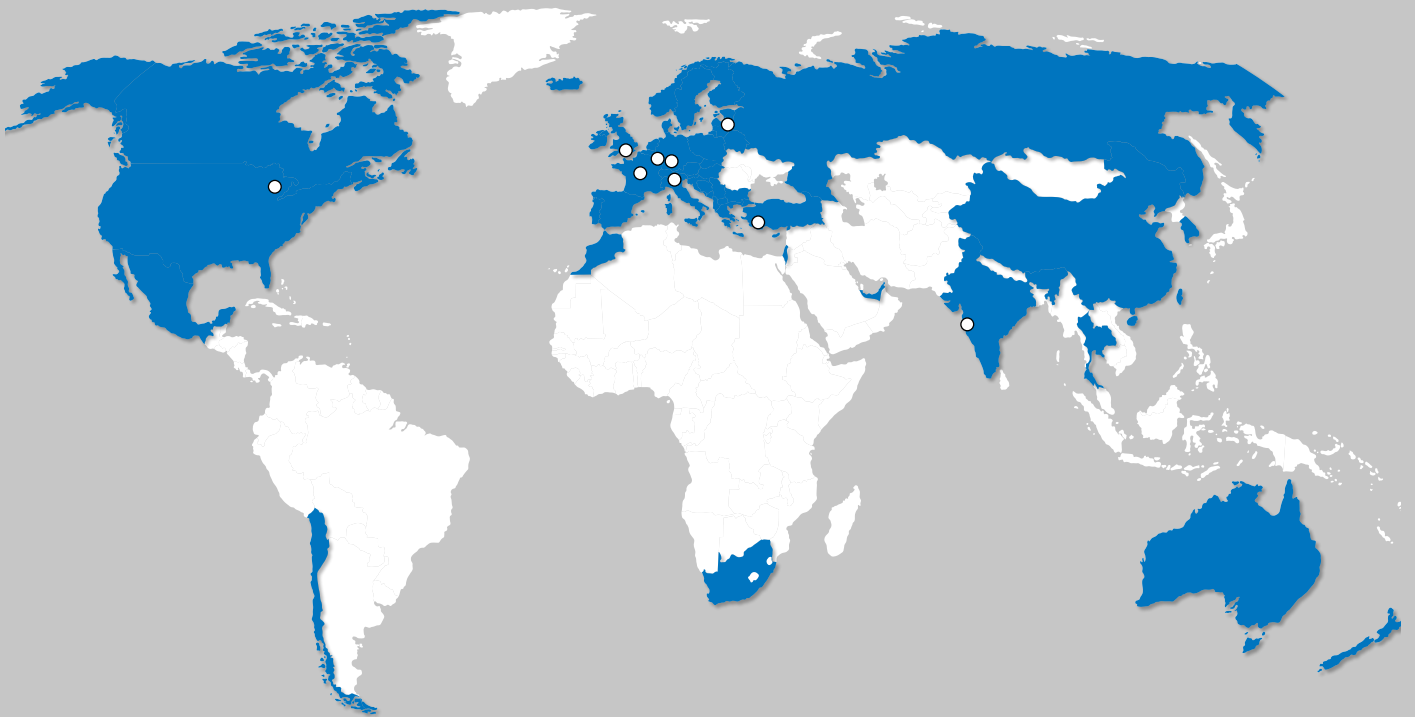
When the term 'light to medium-heavy commercial vehicles' is used in the automotive industry, this means vehicles with a GVW (gross vehicle weight) of 1,750 to 7,500 kilograms. The chassis of these 'basic vehicles' provides the basis for all manner of applications: from emergency service vehicles and motorhomes to car transporters and wheelchair-accessible vehicles.

Thanks to our enthusiastic and motivated team, we are happy to work on these solutions every day - worldwide. Our Innovation & Technology Centre is where we develop, test and sell our products. Our Logistics Centre is the central location for our production and logistics processes. It is also where purchasing and quality control find their home.

WE CREATE THE NEXT LEVEL IN VEHICLE DYNAMICS.

Our product portfolio ranges from reinforced springs to full air suspension solutions with active shock absorbers for front and rear axles. We are especially proud of our official recognition from big names such as Mercedes-Benz, Volkswagen, Ford and Renault – the highest recognition that an accessory specialist can receive from a vehicle manufacturer. TÜV approvals and „letters of no objection“ (LONO) mean that our products are also available for a number of other vehicles.

- MORE THAN 29 YEARS' EXPERIENCE
- TWO HEAD OFFICES IN VARSSEVELD: INNOVATION AND TECHNOLOGY CENTRE & LOGISTICS CENTRE
- MORE THAN 160 ENTHUSIASTIC EMPLOYEES
- 8 SUBSIDIARIES WORLDWIDE
- REPRESENTED BY PARTNERS IN 41 COUNTRIES
- SUPPLYING TO MORE THAN 60 COUNTRIES
- MORE THAN 325 VB-PARTNERS
- OVER 975 TRAINED SPECIALISTS
- AROUND 250,000 (AIR)SUSPENSION SYSTEMS SOLD



DISCOVER OUR PRODUCTS.

Our products find their way to satisfied users through an extensive network of international partners and dealers. Our partners and dealers are authorised specialists that have received extensive training in the installation of our products and in the provision of a high-quality service and appropriate advice.

To find your nearest partner or dealer, visit www.vbairsuspension.com.

