

MARTIN

KFZ-Technik GmbH



AUTOMOTIVE ENGINEERING AND SPECIAL VEHICLE PRODUCTION

Your single source for customised solutions



ELECTRICITY
GENERATION



COMPRESSED
AIR GENERATION



AIR
CONDITIONING



TRANSMISSION /
SPECIAL PARTS



HYDRAULIC
SYSTEMS



SPECIAL PURPOSE
VEHICLES



Our departments: Construction, Automotive Engineering, Electronic Development, Switchgear Production and ultramodern CNC Manufacture.



The company

Jörg MARTIN founded MARTIN KFZ-Technik in Löpsingen in 1998. Today, the company occupies a modern, new build in Nördlingen which we moved into in 2013. We offer comprehensive competence in the fields of automotive engineering and special vehicle production to clients from a wide range of sectors.

Our key services include:



Electricity generation // Compressed air generation // Air conditioning // Transmission systems // Special parts manufacturing // Hydraulic systems // Special purpose vehicles



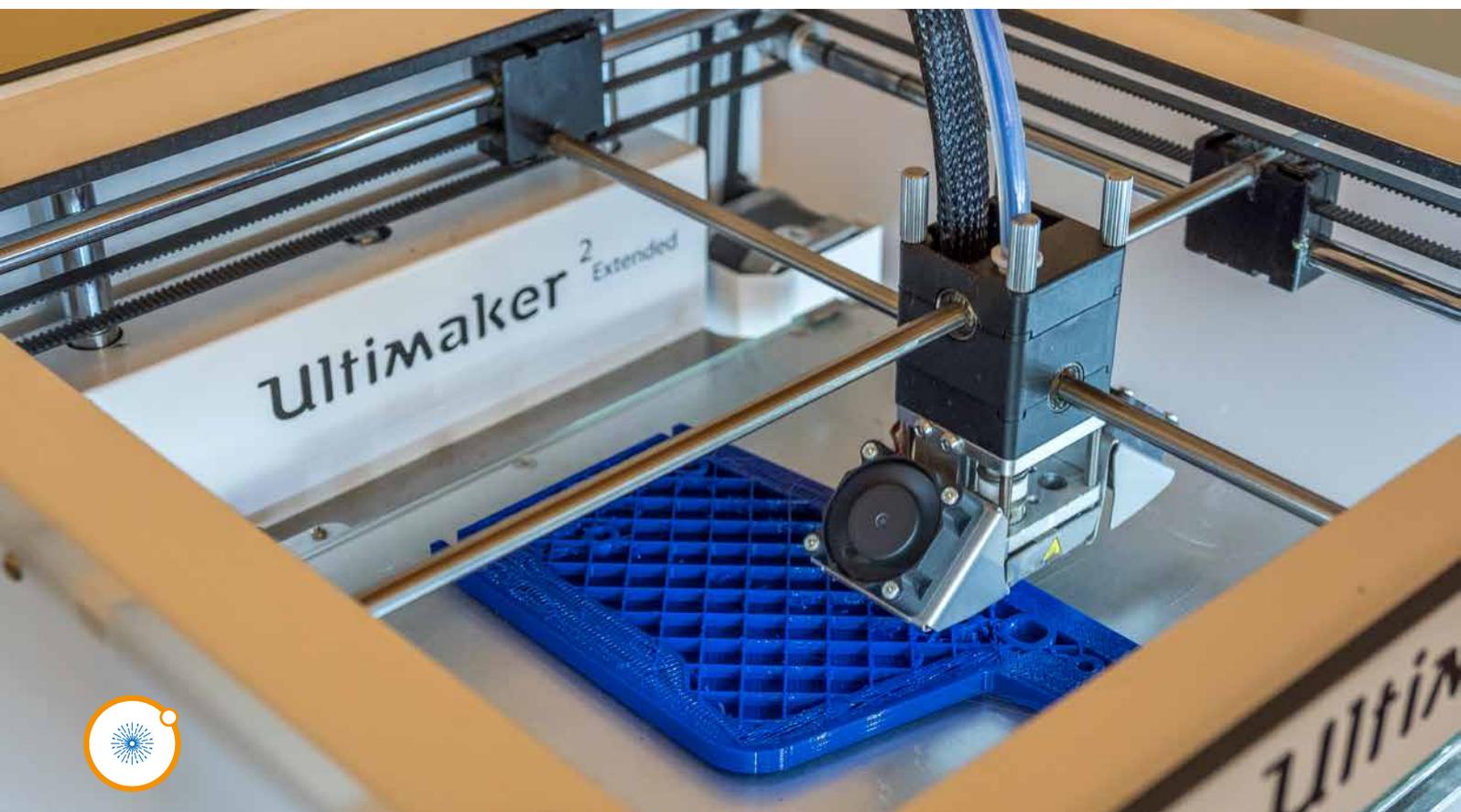
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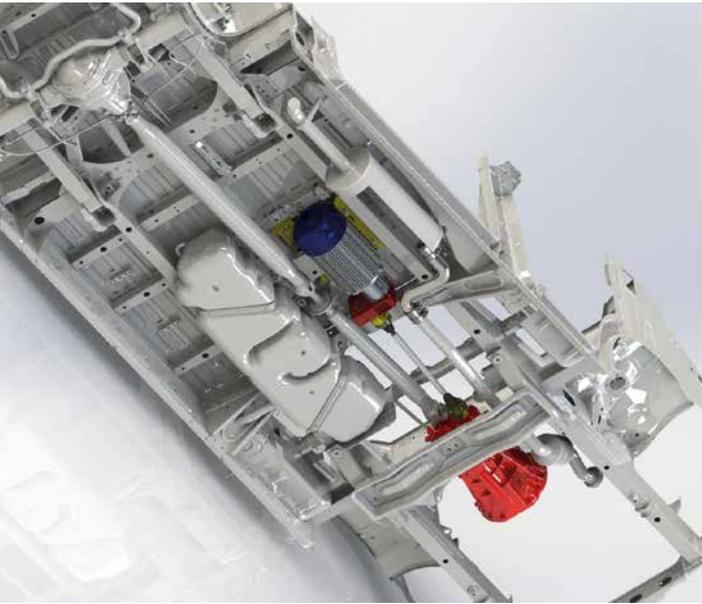
GoZee: how to get started in 30 seconds

1. In App Store or Google Play, enter "GoZee" in the search field and download the app to your smartphone or tablet.
2. Open the app and use it on pages with the GoZee icon.

Everything from a single source

With our specialist knowledge and high degree of problem-solving expertise, we offer you a single source for everything – from development and construction, to production and assembly, to care, service and maintenance work on the systems and vehicles produced by us. Our success is based on high quality, innovative thinking and absolute reliability. It's not for nothing that our competence is in demand, not only in Germany but all over the world. We guarantee short reaction times for product development and manufacture of individual parts as well as limited-lot production. We will be your powerful partner for individualised bespoke solutions, too.



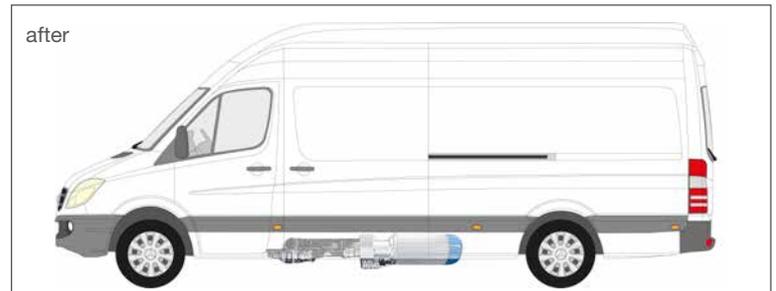
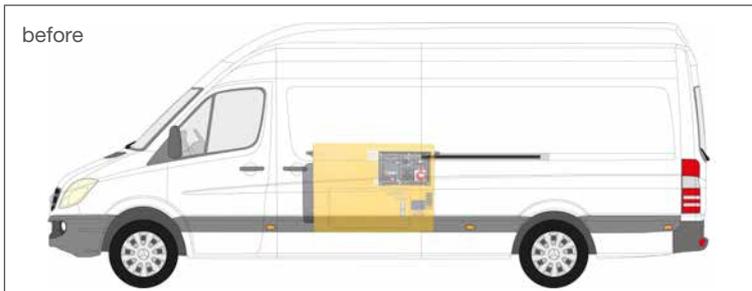
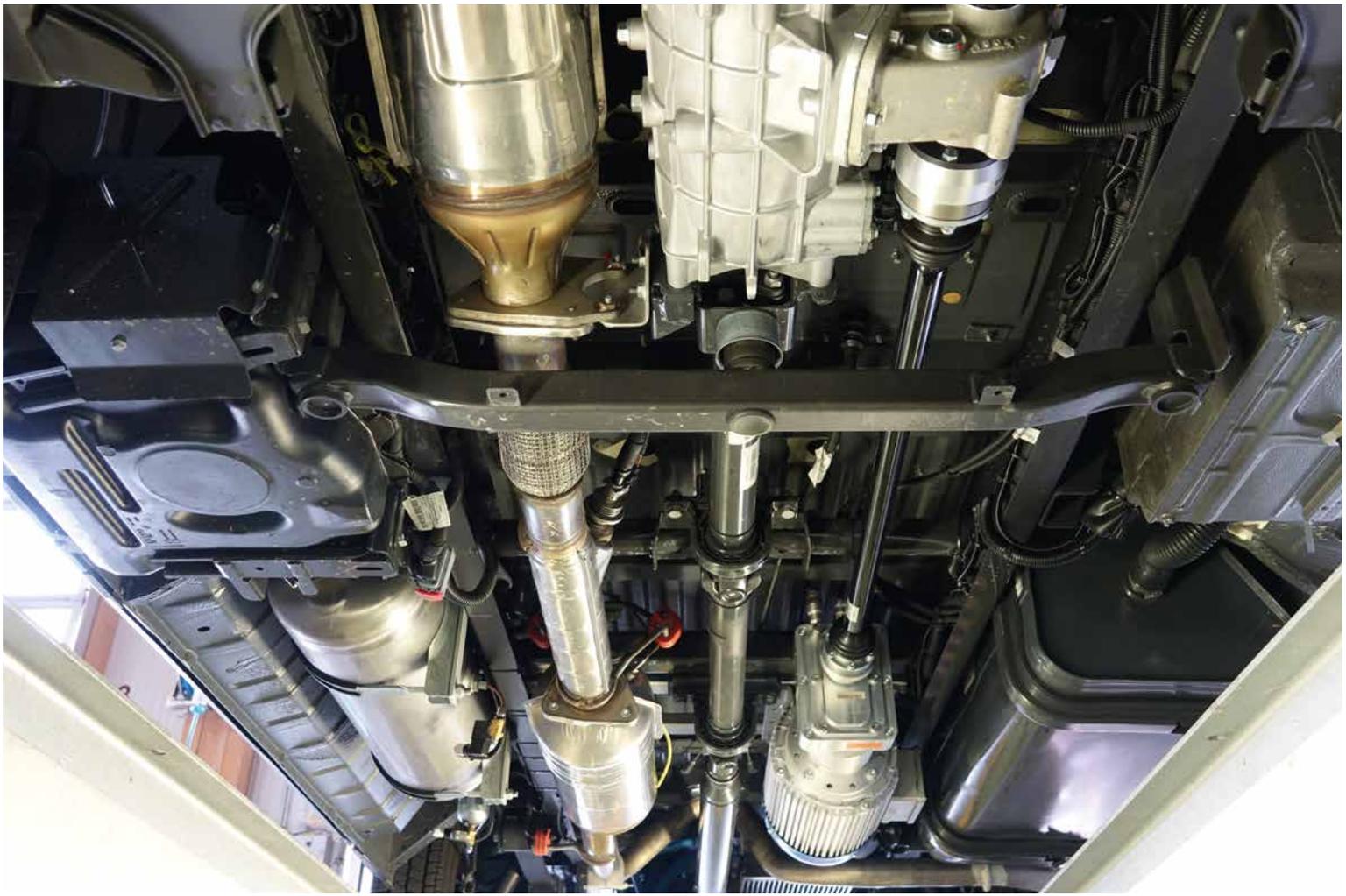


ALWAYS ENERGIZED

The bulk of our development work is in the field of electricity generation – our core competence since MARTIN KFZ-Technik was founded. Many special vehicles require an electrical generator of 230V/400V with higher power in order to put into effect their special installations and add-ons. These aggregates are usually very heavy and take up a great deal of space in the vehicle. We develop vehicle-specific generator systems which are driven by the vehicle motor, providing great savings in space and weight for your special vehicles. It would have been impossible to realise some vehicles in their existing form without the equipment we have developed. Your advantages:

- high payload gain
- complete loading surface available
- low-maintenance technology
- more mobility
- greater work safety
- environmentally friendly technology

In due consideration of manufacturer specifications, we develop belt-driven generator equipment for all utility vehicles irrespective of the tonnage or the gear and drive design. Well thought-out underfloor generator systems are employed for higher electrical outputs. To-date, we have developed over 600 different system solutions for almost all motor versions in the utility vehicle sector. Our performance spectrum for belt drives is up to 10kW (230V/ 400V, 3 phases+N) and up to approx. 150kW (400V, 3 phases+N) for underfloor alternators.



BEI UNS DREHT SICH ALLES UM 3D UND DARÜBER HINAUS!

- 3D-Konstruktion SOLIDWORKS
- 3D-Druck mit HP & Desktop Metal
- Fertigung mit SolidCAM

Mehr Infos unter www.solidpro.de

solidpro
Ein Unternehmen der Bechtle Gruppe





Space-saving and weight reduction also take centre stage in our compressed air generation system solutions. All the required components are accommodated under the vehicle.

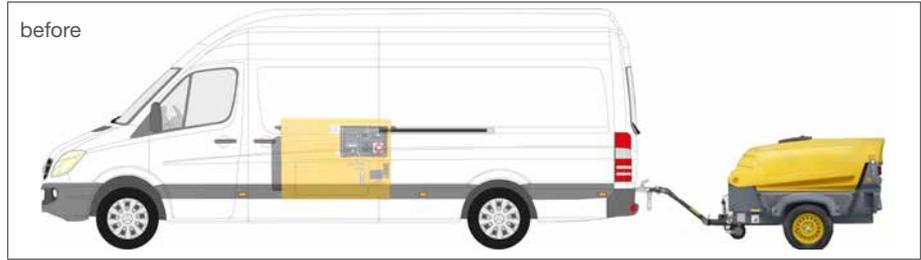
Electrically driven compressed air units can be realised via belt or gear auxiliary drive (PTO) for all utility vehicles in which an additional generator can be installed. Mechanically driven via PTO either with upstream underfloor generator for additional power generation or only compressed air generation. The weight savings in comparison to conventional solutions can be up to several hundred kilograms.



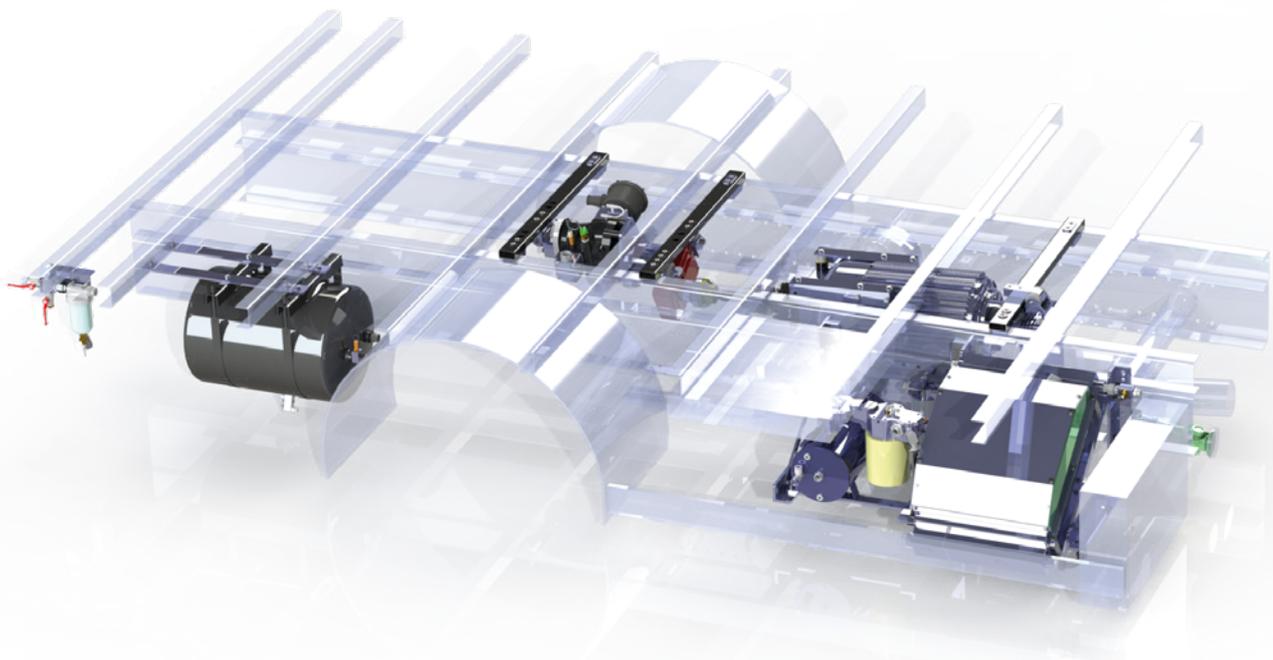
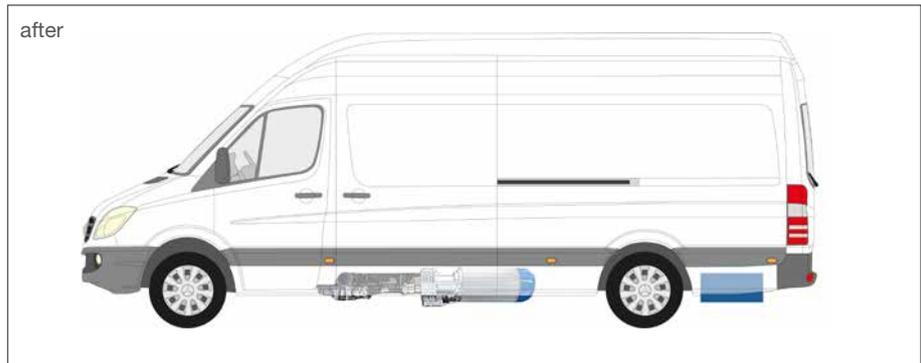
The available drive variants

- Direct drive over power take off (PTO) via a drive shaft
- Drive in series with an underfloor generator
- Combination of underfloor generator with through drive shaft and engageable compressor stage
- Electrical drive. An underfloor or add-on motor generator provides the required voltage to drive the compressor unit

before



after





Air Conditioning

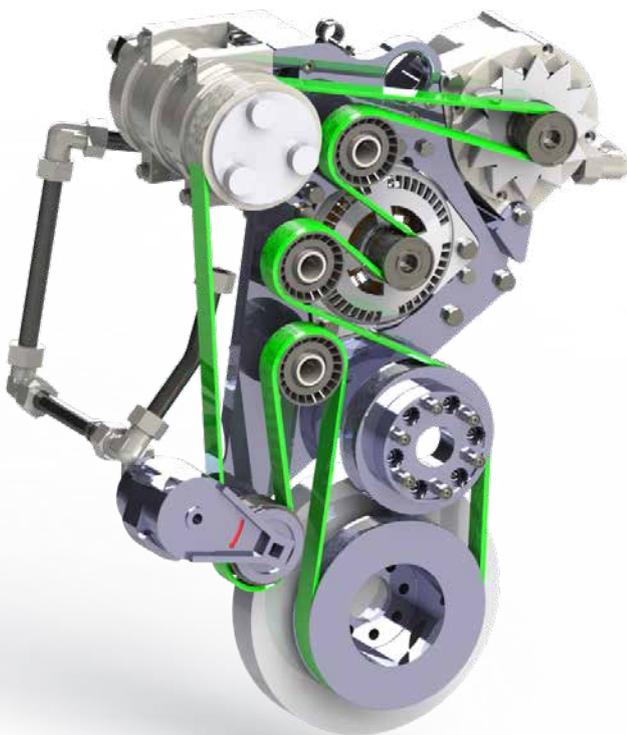
Use our compact, space-saving system solutions for additional air conditioning of your special vehicles. Especially when it's not just about air conditioning in the driver's cab but also concerns operation spaces in the cargo compartment of a vehicle, measurement technology racks in fire-fighting vehicles, measurement technology or TV transmission vehicles. Here we can offer solutions which are perfectly customised due to our systems.

Hydraulic systems

If tools or aggregates are to be independently supplied with hydraulic energy, we can offer mounting kits for hydraulic pumps and systems driven by belt or via permanent or engageable PTO. The use of hydraulically driven tools is a good alternative especially in potentially explosive areas. Alternators, compressors or high-pressure rinse pumps can be driven using hydraulic energy even in driving mode. Versatile system layouts are possible with the well conceived system and component selection from our company.

arts manu-

We're there for your expertise in project-related one-off solutions. With our experienced engineers and technicians, we can cover all the processes in non-standard design - from construction to production. We carry out the electronics development for power electronics in house. Individual component production of, for example, transmissions is also one of our strengths. In our high-capacity 3 and 5 axis CNC machining centres, we produce turned and milled parts to customer specifications as individual parts as well as in small and large-scale series. We realise complex prototype development in-house using 3-D printing (rapid prototyping). Our motto is: impossible; doesn't exist!



HYDRAULIK + PNEUMATIK 

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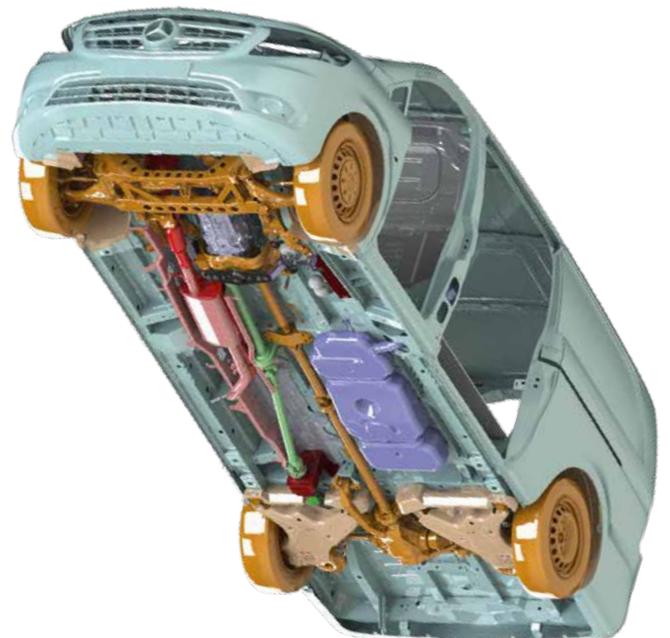
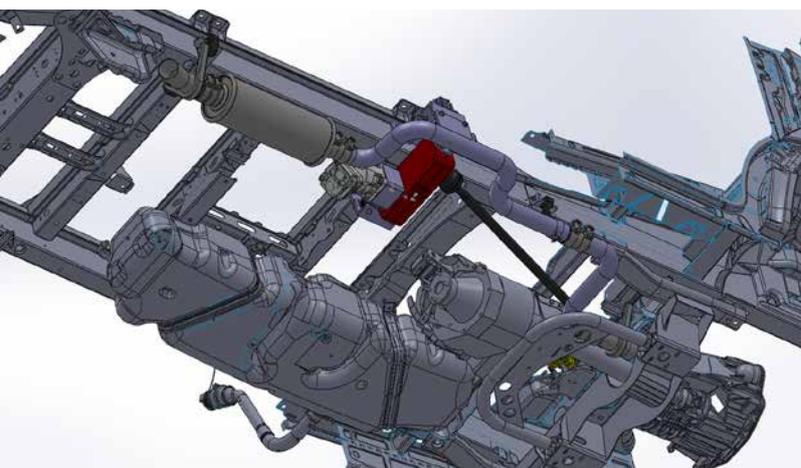


Special Vehicle Production

We offer customised complete solutions in the field of special vehicle production. We develop and manufacture energy generation systems for highly specialised special vehicles, carefully taking into consideration all customer wishes. These include pipe rehabilitation trucks (with liner-technology), sewer cleaning vehicles with high-pressure pumps, workshop vehicles, cleaning vehicles, mobile document shredders and many more.

The MARTIN Tyre-Service Mobile (MPM)

Based on our many years of experience, we developed the MPMs with their well proven track record. High product quality and a well-conceived, work safety-compliant concept ensures a mobile tyre service which can be conducted economicaly and efficiently. The MPM is currently available in several versions depending on the tonnage (3.5, 7.5, 10 and 12 t) and customer requirements. The electricity generators and compressed air units are compactly accommodated under the vehicle in all the versions which creates space for additional materials inside the vehicles.



OUR SERVICE





Our service: all round customer-driven

At MARTIN KFZ-Technik we take service competence very seriously. We also attach great importance to very personal customer care and we're always available to provide support with advice and help, drawing on our many years of experience.

We can manufacture individual parts for you very rapidly using the latest CNC technology and our in-house electronics development team. We always have sufficient standard production parts in stock. Our optimally sorted spare and wear parts warehouse has 15.000 parts.

At our company headquarters in Nördlingen, we provide several demo vehicles which we can use to present our products and solutions in detail. We also have a stock of loan vehicles for you.

We use our well-developed network of partner companies for maintenance and service work and assembly.

In some case the required assembly, maintenance and service work can also be carried out by the customer's in-house staff. We are glad to provide you with knowledgeable instruction and training by our qualified specialist staff for this – at our company or if requested at your company.





One company for all industries

The range of industries and application areas where our solutions are employed is almost limitless. For example, among the sectors we work with are service, trades, retail, construction, industry, public facilities, security, travel and tourism, traffic, energy, telecommunications etc.

The number of different vehicles which are modified or even completely manufactured by us is correspondingly large: police and rescue vehicles, sewage service vehicles, urban buses and touring coaches, mobile breakdown service, vehicles for promotions and shows, measurement vehicles, refrigerated vehicles, military vehicles and many more.

Is your industry not listed? Not yet! Please contact us and enjoy the benefit of our comprehensive expertise in the fields of automotive engineering and special vehicle production.







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