System Solutions for
Trucks, Trailers, and Buses

Mobile Fluid Systems
All media.
From a One-Stop Shop.

Whether trucks, trailers, or buses - in this as in many commercial vehicles, there is a demand for systems, technologies, and solutions that function optimally even under extreme conditions.

We offer extensive knowledge of and expertise in the compounding of elastomers with plastics, textiles, steel, aluminum, and many other materials. This engineering expertise enables us to define and manufacture our products in line with the necessary system requirements and integrate them in a way that adds value to the systems. The result? Highly reliable and extremely beneficial lines and line systems for transporting liquids and gases and converting costs to revenue.

For all media flows, we offer solutions that are every bit as robust as they are innovative. This culminates in an added-value product and an optimally functioning system for you - with everything from a single source.

Individual System Solutions.
All Around the Globe.

As a vehicle manufacturer and mechanical engineer, your technology is always on the move and constantly in competition. This is why you need us as a flexible, sustainable, and forward-thinking partner capable of responding perfectly to your changing requirements - with products that are individually tailored to meet your specific needs and deliver a profit. Mobile Fluid Systems is with you every step of the way as a development partner. Our goal is to support and enhance your company’s success - we say no to standing still.

Extensive engineering expertise, state-of-the-art design software, and multistage test procedures are the basis for rapid development times and high product safety. Our worldwide production capacity is designed for flexibility and helps you to formulate global product strategies - from made-to-order to mass production, we guarantee a high number of variants with flexible batch sizes and consistently high quality.

Mobile Fluid Systems - the connecting force

In the commercial vehicle segment, we offer innovative solutions for:

- Chassis
- Engines
- Transmissions
- Cabs
- Exhaust systems
Exhaust gas management is facing new challenges – more stringent CO2 reduction specifications are calling for additional powertrain efficiency measures. We can assist you with this from our local bases.

Thanks to our new high-performance materials, we offer solutions that satisfy the toughest requirements even in challenging installation situations. For example, we manufacture lines for diesel particulate filters and boost pressure control (wastegate) that exhibit impressive temperature resistance even during continuous operation.

Our lines for innovative Selective Catalytic Reduction (SCR) technology also offer impressively high reliability. Our systems, which are heated electrically or use cooling water and supply carbamide to the exhaust stream, are designed for diverse temperature ranges.

Last but not least, we can help you with waste heat recovery and are there to assist you as a partner with our supply of system solutions.
Chassis:
Tangible Engineering.

Hydraulics, power steering, brakes - your one-stop shop for all solutions for the perfect chassis.

For hydraulic and electrohydraulic power steering systems, we develop customized solutions for high pressure and temperature requirements. All applications are space-saving and optimized in terms of noise and vibrations.

For brakes, we offer media-resistant innovations with optimized fatigue behavior that meet all the most important standards (DIN, SAE). To make these components easier to install, we equip them with practical plug connections where required.

We also carry a wide range of hoses and pipes, and our longstanding experience means that we are ideally equipped to provide securely molded connections for maximum-pressure hydraulics. Developments that more than satisfy industry standards in terms of temperature, pressure, and media compatibility.

Our hydraulic gearshift mechanism with quick connectors and our high-pressure, suction, and return lines for hydrostatic fan drives and hydrostatic front-wheel drives are extremely easy to install and operate with superior efficiency. What's more, all our lines - especially those designed for public transport - have integrated fire protection and flame-retardant properties.
Engines:
Minimal input, maximum benefits - improving efficiency together!

Whether fuel, water, gas, air, or oil - we guarantee precision media conveyance and maximum benefits even under the harshest conditions.

- We manufacture charge-air and clean-air lines using the latest materials and processes – and in some cases using state-of-the-art 3D blow-molding technology. For turbocharger lubrication and cooling, we offer a range of technical solutions that lead the way in terms of temperature and pressure resistance and provide reliable system support at all times.
- When it comes to the fuel supply, we offer customized and low-permeation complete solutions, including for gasoline, diesel, hydrogen, biodiesel, and liquid petroleum gas (LPG/CNG).
- For engine and component cooling, we develop technologies and systems made from various materials that meet the most stringent requirements regarding flexibility as well as pressure and temperature resistance.
- We use top-quality materials to produce highly resistant charge-air and clean-air lines for turbocharger lubrication and cooling, which also feature state-of-the-art 3D blow-molding technology.

We are constantly responding to market trends and can even assist you with cooling solutions for electrified powertrains.
We use an innovative overall concept to improve the efficiency of air-conditioning systems. The refrigerant is cooled via an integrated heat exchanger using a system based on the counterflow principle. This enables us to use smaller compressors and in turn delivers considerable energy savings.

Our air-conditioning lines offer narrow bending radii, highly effective barrier layers, and perfect coordination of hoses, pipes, and fittings. This ensures that our overall systems provide extremely low permeation of volatile substances and are suitable for all refrigerants.

With reliable cab hydraulics that safely tilt the cab, we ensure unrestricted access to the engine at all times. We also cater for rising engine temperatures by using high-temperature materials and guarantee reliable use.

Our transmission solutions offer impressive temperature, pressure, and media resistance. Maximum availability just for you.
ContiTech is part of the international technology corporation Continental and enjoys a global reputation as a materials specialist and development partner with innovative products and intelligent systems that make use of rubber, plastic and combinations of materials such as metals, fabric, textiles, glass and electronic components. ContiTech operates in almost all sectors of industry. Drawing on our extensive development and materials expertise, we combine our products and systems with customized services. We partner with our customers to create added value and help make the social trends of tomorrow into a reality today.