



**System Solutions for**  
Trucks, Trailers, and Buses





## 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.

**Mobile Fluid Systems - the connecting force**

#### 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.

#### Content

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

- Chassis
- Engines
- Transmissions
- Cabs
- Exhaust systems

# Many Solutions. One Contact

We combine materials expertise with engineering capability. The result? Intelligent solutions for all commercial vehicle applications.



# Exhaust Systems: Sustainable Reliability.

We turn strong machines into clean power packs.



**Diesel particulate filter line**



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.

**SCR hose line**



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.

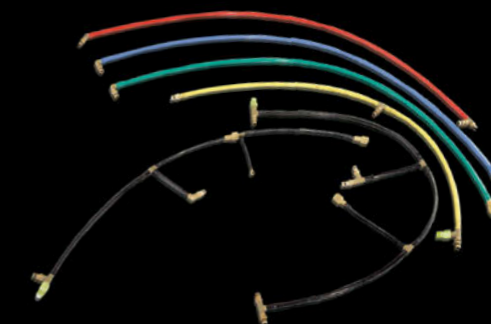
We also carry a wide range of hoses and pipes, and our longstanding experience means that we are ideally equipped to provide securely molded connections for maximum-pressure hydraulics. Developments that more than satisfy industry standards in terms of temperature, pressure, and media compatibility.

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.

Hydraulic hose line



Compressed air brake line





## 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.

The performance of modern commercial vehicle engines depends on the reliable and targeted use of a wide range of media, such as fuel, water, gas, air, and oil. As your development partner, we offer a range of groundbreaking solutions:

- 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.
- 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.
- 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).
- 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.

Stainless-steel corrugated tubing



CONTI Excelsus

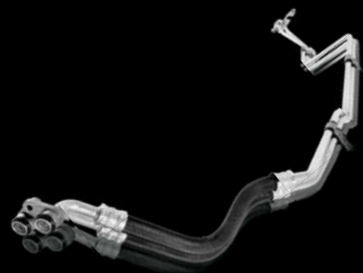


## Transmissions: We Translate Requirements into Advantages.

Our transmission solutions offer impressive temperature, pressure, and media resistance. Maximum availability just for you.



### Transmission oil cooler line



Your transmissions operate under continuously high loads and are expected to deliver maximum performance with minimum effort at all times - and all this at long intervals without any downtime.

We guarantee optimum coupling systems with a minimal increase in line volume. This results in precise and convenient coupling behavior. Depending on our customers' requirements, we create innovative technologies taking into account a range of different material combinations, easy-to-install plug systems, and the narrowest bending radii.

For transmission oil cooling, we offer high-performance products that are characterized by their high degree of temperature resistance and have a long service life even under high-pressure conditions. The system efficiency is rounded off by easy-to-install plug systems.

Optimal thermal management for your powertrains.

## Cabs: A Reliable Workplace.

Our innovations for cabs combine maximum availability with effective environmental protection.



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.

### Air conditioning hose line



### Cab tilt line with quick connector



# ContiTech

Mobile Fluid Systems

Market Segment  
Commercial Vehicles

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Learn more about  
the content of this  
brochure.



## ContiTech. Smart Solutions Beyond Rubber

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.