



Hose Lines for Turbocharger Systems



Driving Pleasure That Even Has the Environment Smiling.

Genuine added value: System solutions developed in partnership with our customers.

ContiTech Fluid Technology has what it takes to be your specialist for efficiently managing and conducting media flows. We develop and produce highly reliable hose and fuel line systems for air, technical gases, fuels, hydraulic oils, coolants, chemicals, and food-grade fluids. This expertise is also available to the automotive industry.

We see ourselves as a partner in your development endeavors. Indeed, this is a large part of what has made us so successful as a global company. By engaging in an ongoing dialog with you, the customer, we develop innovative new products tailored to precise specifications. This consistently results in highly efficient products that contribute to superb driving pleasure for your customers.



Engineering Green Value is the guiding principle in everything we do at our company. It reflects, in equal measure, our technological expertise and an underlying corporate philosophy geared to effective environmental protection and climate neutrality. It is a sustainable approach to business with a solid payoff for future generations. Values that connect.

ContiTech Fluid Technology is a well-established development partner throughout the automotive industry. Its Air Induction Systems segment has achieved specialization in all aspects of charge-air technology. This strategic approach has given us a decisive edge.

Closer proximity to our customers means that our collaborative efforts in development projects bear fruit in the shortest time possible. It yields individual solutions that guarantee our customers real added value. As the world's major manufacturer in this segment, we have at our disposal particular expertise in plastic and elastomer materials.

Working with a broad spectrum of manufacturing processes, we are able to implement every new development exactly as desired. Quality management at every stage ensures a reproducibly high product level. It is a standard of performance that you can build on – all around the globe.



Power. Strength. Efficiency.

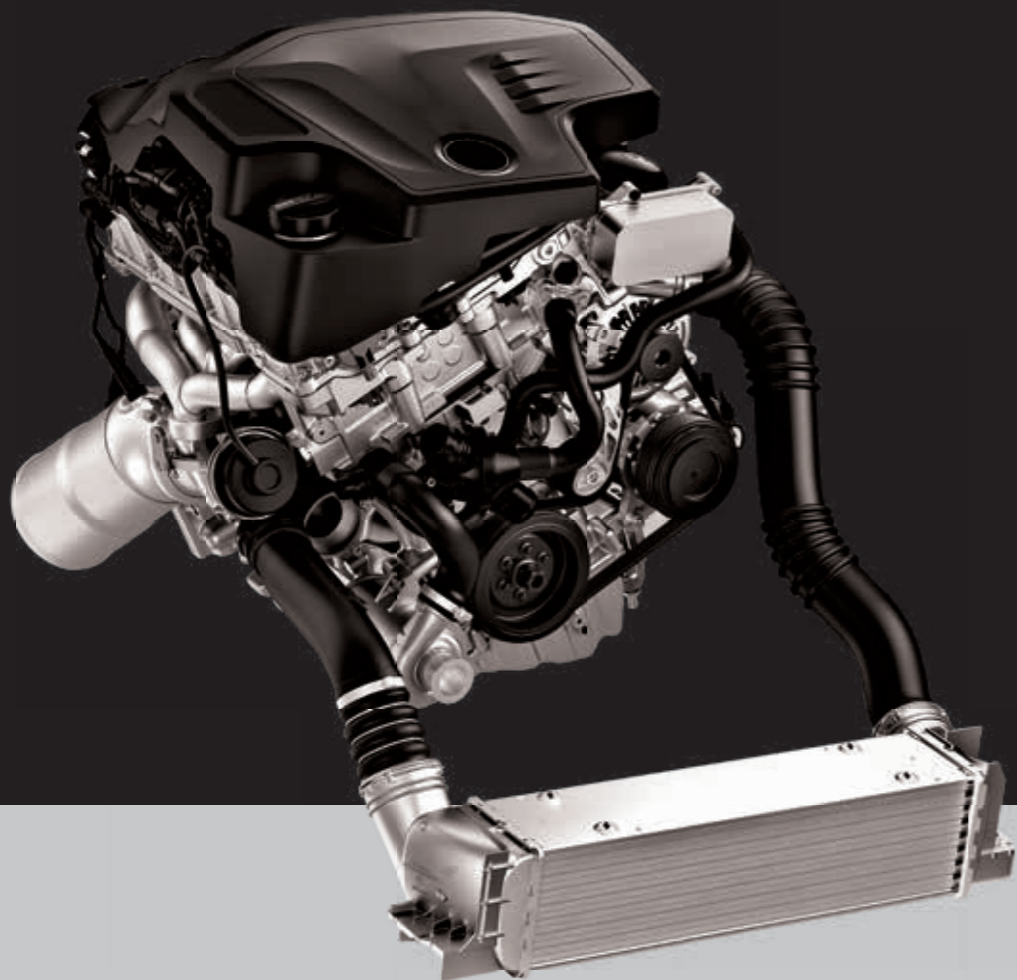
The latest engines deliver ever higher performance. We do, too.

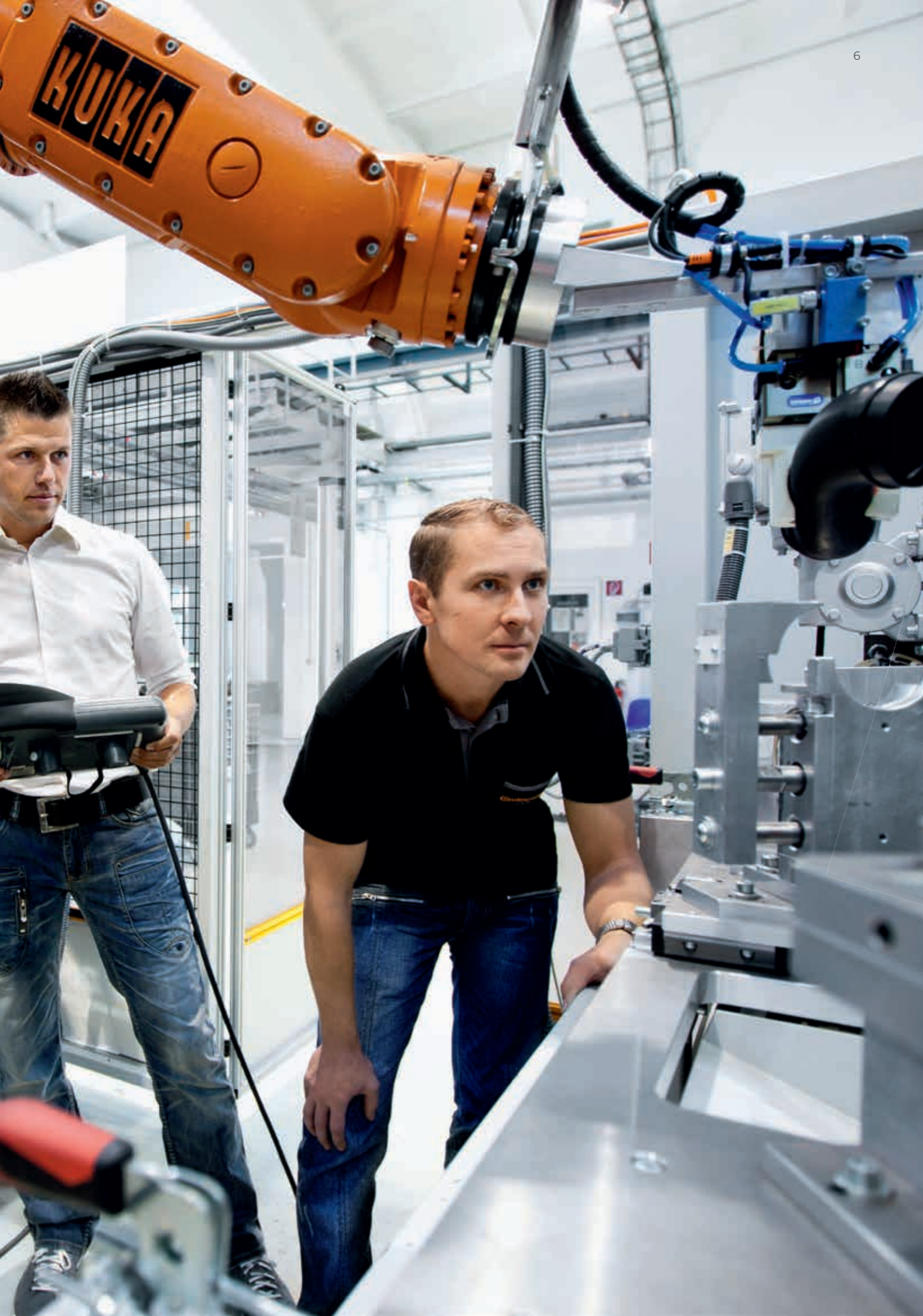
The downsizing of engines is constantly upping the demands on the turbocharger circuit. By literally injecting some "fresh air", our charge-air line systems generate high power output. We offer a wide range of hose and line types designed to meet your specific requirements. These ensure sustained resistance to temperatures of between -40 °C and 250 °C.

For various passenger-car applications – for example, between the engine and intercooler or the intercooler and intake area – we manufacture extruded and fabric-reinforced charge-air hoses. Our short, highly flexible molded hoses do the trick wherever complex clearances meet up with rising requirements concerning pressure, temperature and dynamics. These are spiral hoses with fabric plies. Our 3D blow-molded

charge-air tubes are increasingly popular due to their effective reduction of weight and costs. And we also supply molded hoses for operating pressures of up to 450 kPa – available with or without folds.

For commercial vehicles we also offer charge-air and air ducting hoses to counterbalance the relative movements of the supercharged powertrain's various units. They derive their flexibility from suitable geometries and defined folds optionally incorporated.





You Request the Ideal Solution, We Design and Deliver It.

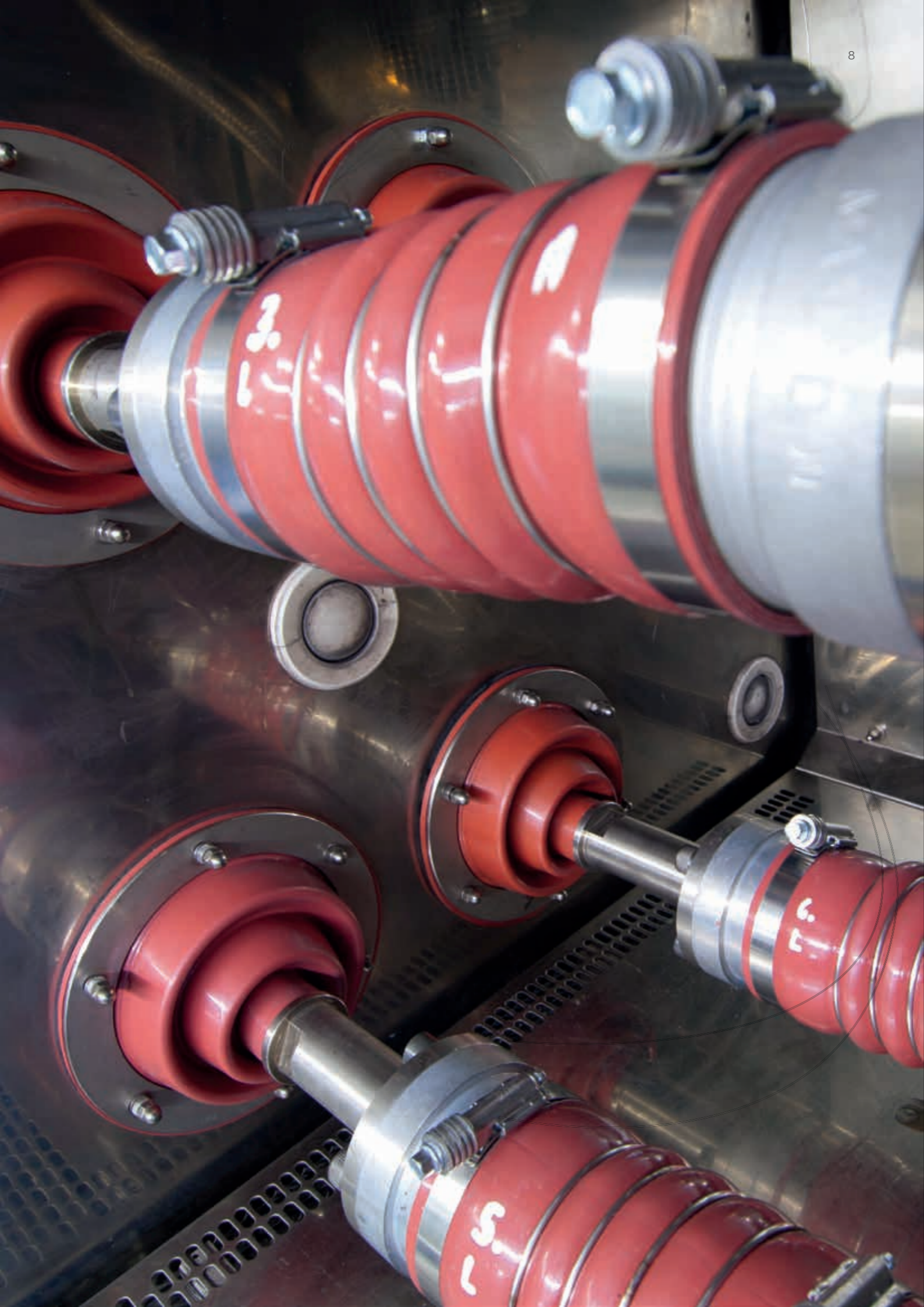
Our comprehensive plastics expertise is not the least of the reasons why ContiTech is a major manufacturer in this segment.



In automotive engineering, plastics are increasingly being used for tasks that were previously the preserve of metals and extruded rubber hoses. This trend considerably benefits automakers, end customers, and the environment. Being considerably lighter, plastics lead the way to lower fuel consumption.

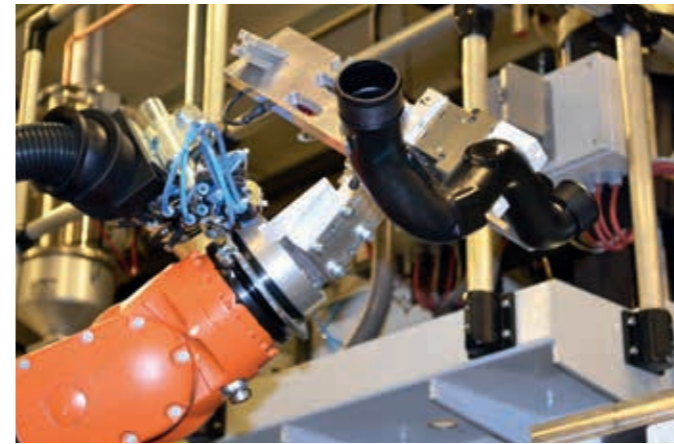
This is an important factor in effectively achieving climate neutrality and environmental compatibility. We master the processing of the most diverse elastomers and plastics. This enables us to develop products tailored to specific parameters - totally reliable products that can do the job even at temperatures of between -40 and +250 °C.

Since 2010, ContiTech has had production capacities of its own for plastic blow molding and extrusion technology. This allows us to manufacture both blow-molded charge-air and coolant tubes, as well as extruded, thermoformed tubes, both smooth and corrugated. In this key field, we are able to offer development and production from a single source and respond more flexibly to our customers' individual requirements. A development partnership in the truest sense.



Strict Quality Control Throughout the Process.

Always-perfect product quality is the key to customer loyalty.



We aim to offer you, the customer, top product quality with no ifs, ands or buts. To ensure this, we have implemented quality control systems effective at different levels. In addition to being party to the global management program Q3BIC, we also implement Six Sigma projects for process optimization. All our locations are certified to DIN EN ISO 9001, TS 16949, ISO 14001:2004, and VDA 6.1.

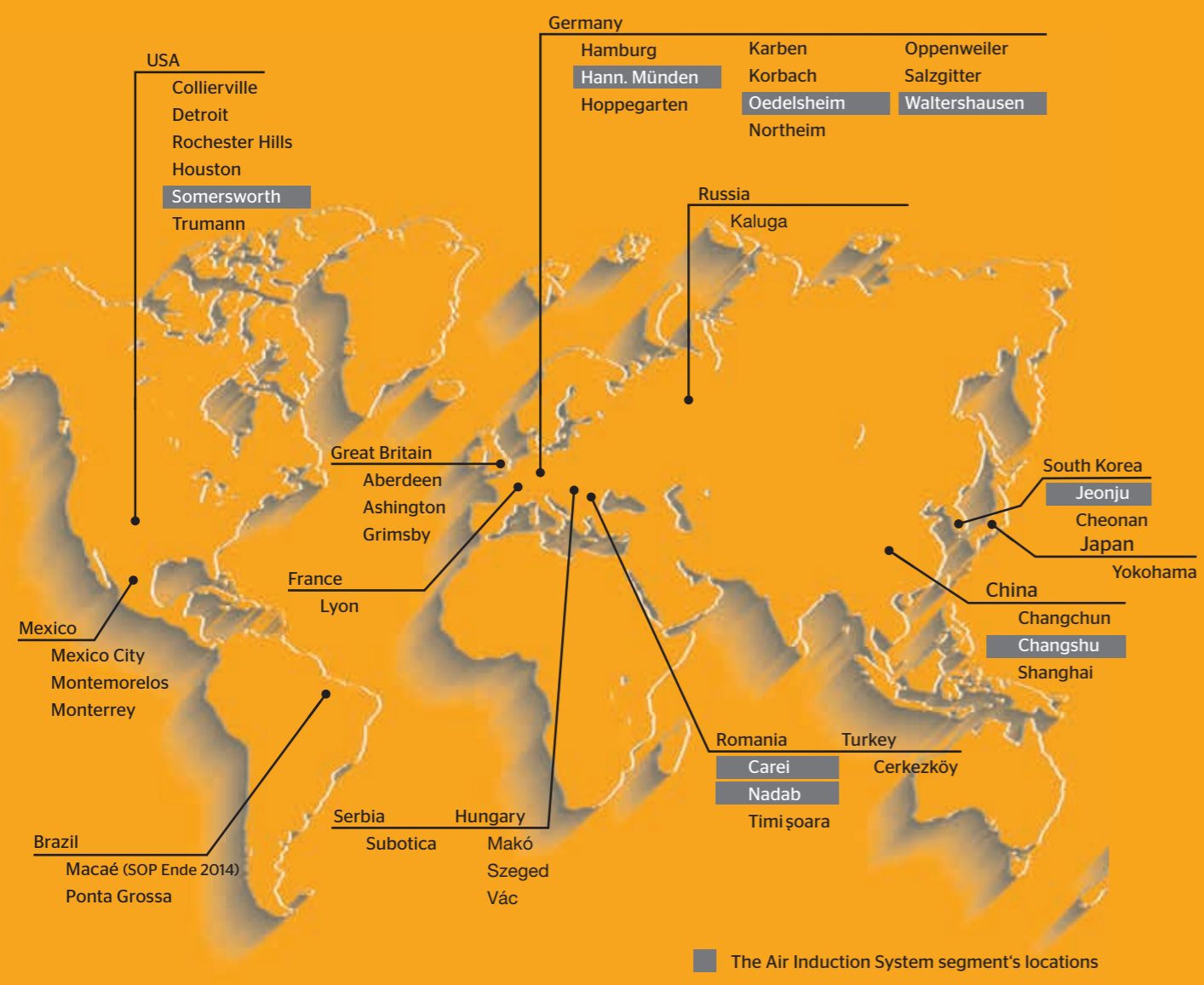
On this basis, ultra complex assemblies are subjected to demanding, multi-stage tests on robot-controlled test benches. To comply with tight customer requirements, we verify that all assemblies perform in accordance with relevant parameters concerning tensile strength, elongation, ply adhesion, compression set, etc.

All of this allows us to supply products that have already proved their worth in practice. More and more customers rely on this quality.

We currently develop and produce at twelve sites in six countries, manufacturing more than 400,000 hoses a day for charge-air, heating, and cooling circuits. New plants in Changshu, China, and Somersworth, New Hampshire, U.S.A., have further boosted our international capacities. These plants form part of a decentralized structure that enables us to provide dedicated solutions to customers all around the globe.

Charge-air line





No Matter Where Your Markets Are, We Have Them Firmly in our Sights.

Maximum performance at all times, wherever needed, is the principle that drives us on. Our decentralized company structure and product sites in Europe, the Far East, and North and South America put us within easy reach of our customers and markets. Global key account management and an international sales and R&D organization ensure just-in-time availability of our products and services in the required quantity.

If so desired, our engineering services can be closely integrated into your company processes via IT interface and resident engineering. This guarantees that a project progresses quickly, from development of new technologies right through to market maturity. As a part of Continental AG, we benefit from the synergy potential, financial clout and overall expertise in rubber and plastics technology of this international company. Make sure you benefit too!



Ideas. Values. Future.

We strike a balance between sustainability, social responsibility, and good business sense.

As a company with worldwide operations, we support our partners by providing innovative solutions reflective of our guiding principle of "Engineering Green Value." ContiTech Fluid Technology organizes its activities so as to ensure a long-term balance between social responsibility, sustained protection of the environment and the global climate, and cost-efficient design of processes and production.

- In the fields of charge air and heating/cooling, we make sensible use of plastics. The resulting weight-savings lead to noticeably lower fuel consumption.
- We produce using fully electric rather than hydraulic machines. This proven energy efficiency helps reduce the burden on the environment.
- We support the downsizing of engines with hose and pipe systems that meet specific customer requirements. Our products have been approved by all leading automotive manufacturers.

These are just three examples of a number of solutions that show we are keeping the next generation, too, in mind.



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The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

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