AVENTICS:
AGILE, FOCUSED,
AND WITH PASSION FOR
TOMORROW’S MARKETS
We always focus on our customers’ demands and requirements. We also attach great importance to an easy business relationship. Thus, we offer modern, innovative products, and impress with quick solutions.
“Our ambition is to become known as the smart pneumatic engineering company that is easy to do business with.”

Paul Cleaver, Chief Executive Officer
Sustainability: Economic, environmental, and social responsibility

Each new generation is based on the performance of its predecessors. Over AVENTICS’ history, comprehensive expertise and excellent customer relations have grown step by step.

Environmental and social aspects have always played an important role in our corporate culture, as demonstrated by our corporate values. The internationally established phrase Environmental Social Governance illustrates that the success of corporate management is measured by its approach to quality, the environment, and social responsibility. We have always attached great importance to the fact that the quality of our products and services does not come at the expense of our and the next generations’ environment.

Our company values: a future-oriented approach and result focus, responsibility, innovation and consistency, openness and trust. We are fair, reliable, credible, and believe in cultural diversity.

Our commitment to pneumatics and our customers is reflected in our brand values: passion, agile, and focused.

Our employees are our greatest asset: our focus is on a pleasant working atmosphere, teamwork, ergonomics, work safety, and quality. We promote a good work-life balance and invest in training our staff.

The responsible treatment of nature and the environment is deep-seated in our corporate values. We follow the ecological principles set out in ISO 14001 and ISO 50001.

For us, quality means consistently meeting the expectations of our customers. We are fully certified to ISO 9001 and TS 16949.
Facts

2,000
EMPLOYEES

DIRECT SALES AND SALES PARTNERS WORLDWIDE

90 countries

PRODUCTION SITES

Germany
LAATZEN

France
BONNEVILLE

Hungary
EGER

USA
LEXINGTON

China
CHANGZHOU

Corporate headquarters
Country units and main sales partners

As of: 16.01.2017
Scale subject to change
Future through heritage: The history of AVENTICS

The history of AVENTICS goes back to the invention of the pneumatic brake – and is being continued today with the Internet of Things.

“You can be sure if it’s a Westinghouse” was the confident slogan adopted by the Westinghouse Air Brake Company (WABCO) in the 19th century. Since then, industrial pneumatics has taken enormous strides. However, the pneumatic principle of putting compressed air to work for mechanical tasks is still making history. The range of tasks for pneumatics has grown considerably and requires new solutions. With the interaction of the latest technologies and the integration of state-of-the-art materials, with each new invention and each patent, the company’s portfolio has expanded – strengthening our clientele throughout the decades. 2014 marks the beginning of a new era: As a pneumatics specialist, AVENTICS invests in its core competencies and flexibility.

1869
Westinghouse Air Brake Company (WABCO) is established.

1945
AB Mekanprodukter, predecessor of AB Mecman, is founded.

1985
Bosch acquires CPOAC SA.

1989
Rexroth acquires the pneumatics business of WABCO. Mannesmann Rexroth Pneumatik GmbH is established.

1991
Mannesmann Rexroth takes over AB Mecman.

1997/98
Company is renamed Rexroth Mecman GmbH.

2001
Merger of Bosch Automation/ Mannesmann Rexroth AG. Bosch Rexroth AG is established.

2013
Independent Pneumatics entity.

2014
AVENTICS GmbH

CONTINUED QUALITY – PNEUMATICS – IT’S THAT EASY
Our strategy: Based on megatrends

We concentrate on the needs and requests of our customers and highly value being easy to do business with. We offer modern, innovative products and impress with our quick solutions. Pneumatics – It’s that easy.

**Urbanization**
- Increasing pace of urbanization leads to mega cities with high density, resulting in massive impact on the future of mobility, working life and societies’ sectors.

**Aging population**
- Both in mature and in emerging countries life expectancy is constantly increasing. Global population growth will mainly increase in emerging countries. This requires new technologies for people in need.

**Commodity scarcity**
- Water, food, energy, and other commodities increasingly become scarce due to the higher population and development pace especially in emerging markets. This requires higher levels of engineering expertise.

**Environmental improvement**
- The reduction of fossil-fuel dependencies and greenhouse-gas emissions is interdependent with the increasing energy demand. Besides the focus on bio-based materials and re-use, efficiency remains important to create more sustainable value chains with lower energy use, less waste and pollution.

**Digitalization**
- With digitalization, pneumatics achieves a new level of productivity and efficiency. The possibilities afforded by the Internet of Things (IoT) are changing the way the world thinks about engineering, energy efficiency, and customer service.

**We are focused on pneumatics and we grow further**
- Our central growth sectors are: Industrial Automation, Food & Beverage, Life Sciences, Energy, Commercial Vehicles, Marine Technology and Railway Technology.
- Our sales channels are: direct sales, sales partners and online business.
- Innovative products and systems are continuously designed and introduced successfully such as future-oriented valve systems or safety products.
- We follow current trends and supply practical solutions for topics such as Machine Safety and Internet of Things.
- When it comes to digitalization, our focus is on preventive maintenance, energy efficiency, and operating comfort.
Shaping the future with the power of innovation

Our expertise really shines in our industry solutions. Our experience, creativity, and knowledge give our customers a real competitive edge.

Industrial Automation
Efficient automation solutions: AVENTICS is characterized by reliable components, compact designs, and low-maintenance technology that result in short process times, high energy efficiency, and maximum economy.

Food & Beverage
We offer industry concepts for all applications – food processing and primary packaging (food zone), secondary packaging (splash zone), final packaging (non-food zone).

Life Sciences
For products specifically engineered for medical device applications, analysis and diagnosis in laboratories, and pharmaceutical and biopharmaceutical production, we are the pneumatics specialists.
Energy
AVENTICS pneumatic valves for mobile and stationary applications in the oil and gas industry are valued for their durability, reliability, and precision, e.g. for vehicle transmissions and cranes.

Commercial Vehicles
Customer-specific pneumatic valves and cylinders for commercial vehicles, high-quality components for engines, turbochargers, transmissions, and clutch controls – our product range offers all this and more.

Marine Technology
For professional and recreational navigation, we develop technical solutions featuring durable components in systems, with functions tailored to our customers’ needs: from remote ship controls, ship alarm and monitoring systems, to ballast tank systems, to pneumatic and electronic ship propulsion controls.

Railway Technology
Robust, reliable, durable equipment, size constraints, temperature ranges, energy efficiency; these are just a few of the hurdles which products and systems from AVENTICS help our customers successfully overcome. Application fields include brakes, train doors, and climate controls.
Robust, precise, low-maintenance: Components from our standard range

Cylinders and sensors
Based on a clear platform strategy, our extensive product range fulfills multiple requirements: from extremely compact cylinders for applications in tight-spaces to large-dimension standard cylinders for the most powerful tasks, and rodless cylinders with guided slides for long strokes.

Valves, valve systems, and fieldbus applications
The wide range starts with mechanically, pneumatically, or electrically operated single valves, to highly complex modular valve series, like the AV series. Extremely compact, the ED electro-pneumatic pressure regulator series features high dynamics, optimal control precision, and digital control electronics.

Compressed air preparation and accessories
Our components prepare compressed air for any application, with functions that go far beyond the standard. Maintenance units from the AS family can be used in all applications with flow rates ranging from 1,200 to 14,500 l/min. They feature high reliability and an easy configuration.

IoT solutions
The Smart Pneumatics Monitor is the first AVENTICS product for use in IoT environments.

On-demand customization: We go the extra mile
Our systems technology already goes above and beyond – but we’re always willing to go the extra mile for our customers. Thinking about modifying our standard components, integrating several different technologies in a single project, or even pondering a completely new design? AVENTICS is the right place.
Online catalog
Our online catalog is the fastest way to obtain our products. With comprehensive search and filter functions, our customers can find the product they want along with a binding price and delivery date.

CAD
Objects can be issued here directly as a CAD file in various formats, as a PDF file, or for further configuration in our customers’ software.

Configurators
To create customized products matching their individual requirements, customers can set their parameters in the configuration program, which then presents a product tailored to their specifications.

Calculation programs
With transparent calculations, our customers can determine the size or durability needed for their products and can even keep an eye on energy consumption.

Circuit diagram software
With the D&C Scheme Editor, our customers can quickly and easily create circuit diagrams that are based on their components and linked to their catalog selection.

eShop
The eShop is our online shop for pneumatics that answers price requests and monitors the entire order process up to delivery.

Cross Reference Tool
This tool shows our customers the right alternatives to competitor products from within the AVENTICS catalog.

Cylinder Finder
This free online tool helps our customers find the right cylinder for their application with just a few clicks.

Extranet
The Extranet establishes a direct connection between AVENTICS and our customers and speeds up communication. It also contains a great deal of valuable information.
The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.