





AFRISO management (from left to right):
Jürgen Fritz, Dipl.-VW Elmar Fritz, Dr.-Ing. Jan Späth,
Matthias Blasinger

More than 150 years of AFRISO - inspiration from tradition.

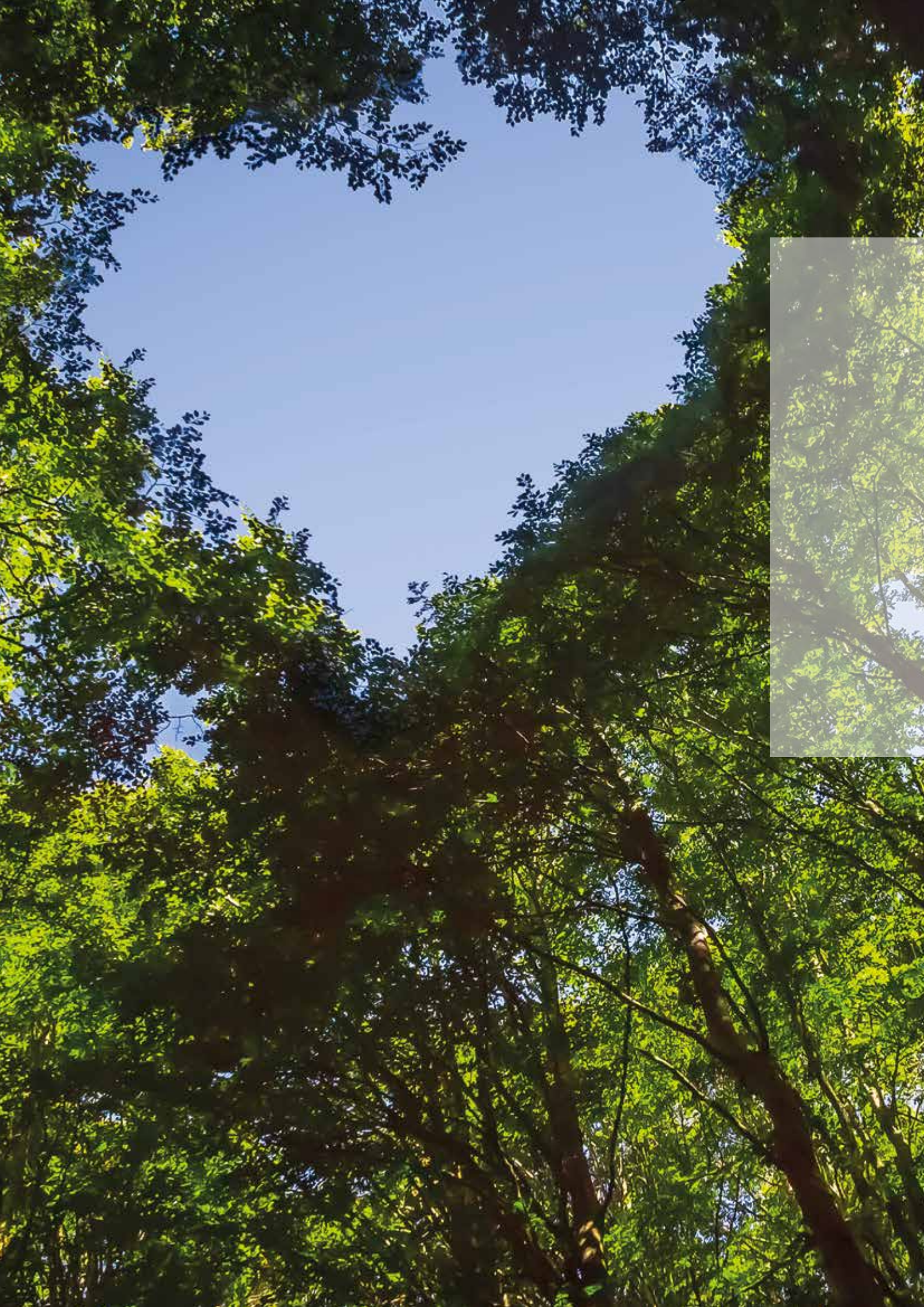
When sustainability broadens horizons

Adelbert Fritz bestowed not only his name on our company, but also the fundamental principles of its mission today: responsibility and social competence. Now, more than 150 years later, this still sets the standard and drives the company's entrepreneurial activities as it moves towards the future. The people involved and their needs and competencies are the focus.

In a family-run business, the value of a handshake still applies in a figurative sense, and this is something everyone can count on – employees, suppliers and customers. Our wide range of components, systems and services as well as the use of state-of-the-art production technology ensure market-orientated product policies and service quality. This, in addition to the motivation and competence of our staff, puts us in a position in which we can offer our market partners competitively

priced series products as well as customised solutions and unconventional ideas.

The care and protection of the environment are always a top priority in the development and production of our new products. And this was the case long before terms such as „energy efficiency“ and „environmental protection“ became commonplace. All of the processes in the company are aligned with environmental compatibility, our products are manufactured in Germany and in Europe with the best possible ecological balance, and their application often actively supports environmental protection. Our motto „Technology for Environmental Protection“ has long been an inherent part of our product range. And will continue to serve as the basis of our activities in the future.



»» We fit the common conception of a
family business to a T.
Thinking and planning
are for the **long term.** ««

Elmar Fritz

Managing Director Administration



What we stand for

AFRISO monitors, controls and protects the elements fire, water, earth and air – in the broadest sense. On the one hand, these elements symbolically stand for the relief and protection of the environment – and on the other, they illustrate our fields of activity:

- Flue gas control
- Energy savings
- Groundwater protection
- Conservation of resources

Product development revolves around our motto „Technology for Environmental Protection“. We strive to improve the environment, to make processes which work with greater environmental compatibility and to avoid putting a strain on the environment. With a balanced portfolio of innovations, proven products, systems and services, we offer our customers efficient solutions which are of great benefit.

Although we serve an extremely wide variety of markets and industries, all AFRISO employees work according to the same values. Reliability, flexibility and independence are the basis of our day-to-day work.

Our corporate culture is marked by a sense of responsibility. We want our employees to be content here with us. Numerous offers for ensuring an optimum work/life balance and continuous optimisation measures within the framework of the occupational health and safety management system help us show this to the outside world.

We offer quality and reliability throughout the entire process: from meeting all pertinent quality standards as well as ongoing quality, environmental and occupational health and safety management all the way to continuity in our cooperation with customers and suppliers.

In addition, we are independent and flexible as a result of our high degree of vertical integration and production facilities in different economic areas. The only constraint we impose on ourselves is to be close to the market and the customer.





For us, ecological responsibility along the entire value chain is not a hype.

Together, we make the world more sustainable

For many, sustainability is trendy. Many companies have now jumped on the sustainability bandwagon. We were instrumental in putting this train on the track more than 50 years ago. Today, ecological thinking is firmly anchored in our products and corporate processes. For us, sustainable business means securing business success in the long term while protecting natural resources.



**Short transport routes
are beneficial for the
environment.**

Green Production

The „Green Production“ label underpins that sustainability takes centre stage. Using plastic as an essential raw material allows us to manufacture our products with low material input and energy consumption. We control most of the processes ourselves and are not dependent on suppliers. This dramatically reduces transport. For example, in the Güglingen plant, everything from tool design to plastic injection molding to final assembly is performed within a distance of 250 m in a production hall. Therefore, our products have always had an extremely small CO₂ footprint. Replacing metal with plastic accelerates this.



In the new logistics and service centre, building technology operational processes are perfectly aligned: Electricity from the 2,078 m² photovoltaic area is used to operate the forklift trucks, heat pumps and electric vehicles for shuttling between the plant halls.

Mission: Optimisation

For decades, our commitment to „Technology for Environmental Protection“ has been both a requirement and an obligation to constantly put products and processes to the test. When new products are developed or existing ones are revised, ecological aspects are also a part of the focus: What is the required product size? How much weight can be saved? How do we ensure a long service life? Or: Which environmentally compatible raw materials and packaging materials can be used? The objective is to find partners in the region and, of course, to manage projects with others in a digitised, paperless way. Using LED lighting or concepts for optimum heating of office space conserve resources and contribute to increasingly CO₂-reduced operations.

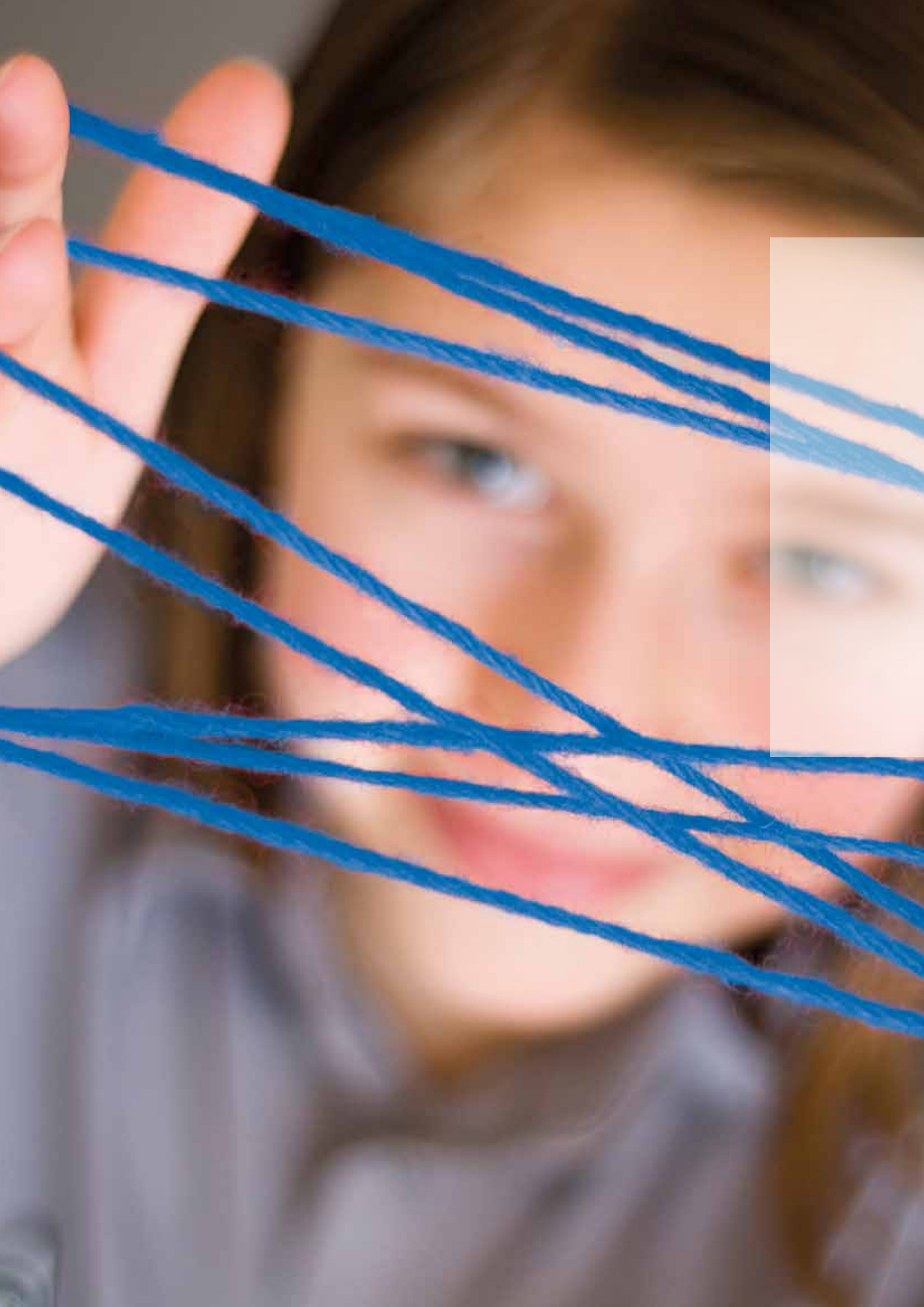
Answers to today's pressing questions

Our corporate values of independence and reliability are pillars on which the AFRISO brand is based. The fact that our products are manufactured in the middle of the main sales regions with a high degree of vertical integration attest to this. On our way to becoming an energy self-sufficient company, we have remained true to Germany and do not need any „re-globalization“. In this way, we can remain flexible even in times of crisis and respond quickly to changing challenges.



On the company site with a size of four hectares, 30 % green area with over 160 trees and 270 bushes create a „green lung“. Our employees like to relax in the park-like area during breaks. In addition, orchard trees matching the cultural landscape, flower meadows as well as green roof areas are available as habitat and food supply for insects or our own AFRISO bee colonies.





»» Going against the general trend, we have an **extraordinary degree of vertical integration**. With attention paid to robust processes, this makes us **fast, flexible** and **independent**. ««

Jürgen Fritz

Managing Director Production



When „no-go“ is no more.

We rise to every challenge

Thinking proactively, thinking forward, being creative. This all goes without saying for the AFRISO team. The team comes up with possible solutions to „impossible“ challenges in a way which is flexible, cost-aware, on schedule and fast yet careful.

Efficient project management, state-of-the-art production processes and quality policies that work ensure top-notch process reliability.

Tools and equipment making

The core of our flexibility. Development and design of the finished product as well as tool and equipment making are concentrated in a single department and can consequently be optimally aligned with one another. This allows us to create new developments, special designs and customised products rapidly and in a highly cost-effective way.

Plastic injection molding

A key to adaptability is the in-house plastic injection molding shop with more than 1,300 injection tools. Our machinery is state-of-the-art – also in terms of energy efficiency. OEM and standard products can thus be produced efficiently, demand-oriented and in a wide range of lot sizes.

Production

A high degree of vertical integration enables maximum flexibility and allows us to optimally meet customer requirements. Variable manufacturing structures allow to efficiently produce a large range of lot sizes. Manual, semi-automatic or fully automatic – in the production of AFRISO quality products we use every opportunity to obtain the best results. All production processes are optimised on an ongoing basis and are subject to all pertinent quality standards.

The production processes

- Plastic injection moulding
- Gunmetal
- Punching and deep drawing
- SMD/THT technology for PCBs
- Electronics production
- Cable and hose assembly
- CNC machining
- Turning, milling and drilling
- Standard and special cleaning
- Soldering
- GTAW, orbital and laser welding
- Labelling and printing
- Foil/film processing for leak detection linings
- Filling of chemical seal systems

Areas of expertise

- Mechanics
- Electromechanics
- Electronics
- Microprocessor technology
- App development/software programming
- Tools/equipment
- Series products
- Custom solutions





>> A comprehensive **product range** -
manufactured in Germany and Europe -
ensures our **independence** from
economic fluctuations and makes us a
strong partner for our customers. <<

Matthias Blasinger

Managing Director Sales and Distribution



Convincing solutions for a wide variety of applications.

We know your industry

AFRISO is at home wherever there is measuring, controlling or monitoring required. As a full-range manufacturer, we offer our customers a broad product portfolio from a single source. A wealth of experience from numerous applications as well as our knowledge of the requirements in the individual markets make us a reliable partner in your industry. We know what is necessary as a result of our many years as a supplier

in the OEM business and our intensive contact with standardisation committees, associations and guilds. We tap our employees' know-how and expertise in the industry to make our customers' processes simpler, safer and more competitive. In process engineering, in building technology or facilities – you benefit with a strong partner at your side.



Building technology

The subject of saving energy has been our focus for more than 50 years. From the start, we have supported the move towards geothermal and solar systems as well as the use of biogenous fuels by supplying professional components and assemblies.

Our range for the secure storage of water-polluting liquids and professional equipment for heating systems reduces operating costs, helps make optimum use of fuels, provides timely warnings if hazardous situations arise and constitutes an active contribution to environmental protection. Innovative measuring instruments for flue gas analysis yield high-precision and reproducible results so that your customers can achieve their goals: the right amount of heat at the right time, low energy consumption and low emissions. And we always respond to sustainable new technologies, for example, by providing versatile sensors and systems for increasing security and convenience in smart homes.

Target markets

- Manufacturer of heat generators
- Manufacturers of solar thermal systems
- System suppliers of surface heating systems
- Tank protection/revision
- Tank manufacturers
- Heating and plumbing system wholesalers
- Electrical wholesalers
- Engineering and planning consultancies
- Smart home and building automation
- Manufacturers of fittings
- Chimney sweeps
- Public institutions, municipalities



Tank. Heating. Water Technology.

AFRISO provides „Safety for Heating Systems“. With a comprehensive range of building technology products, AFRISO prides itself in „Making Heating Systems Safe“. Irrespective of whether the heating system uses regenerative energy or fossil fuels.

In addition to this extensive range, a large selection of alarm units for the fast detection of level, unwanted liquid spillage, leakage, gas or smoke is available.

- Mechanical/pneumatic level indicators
- Overfill prevention systems/overfill alarm systems
- Leak detectors/leak monitoring systems
- Inner tank linings
- Equipment for fuel oil storage tanks, oil carrying pipes, boiler rooms, boilers and heating systems
- Heating controllers
- Distribution manifolds for heating, cooling and geothermal systems
- Smart home systems for building automation
- Valves and control technology for hydraulic balancing
- Equipment for drinking water supply



Equipment for oil carrying pipes and systems



Tank contents indicators



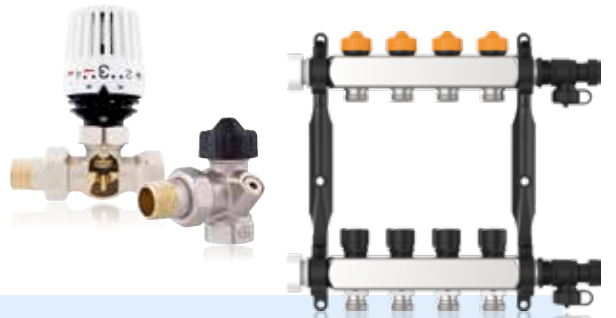
System assemblies for heating, solar and drinking water



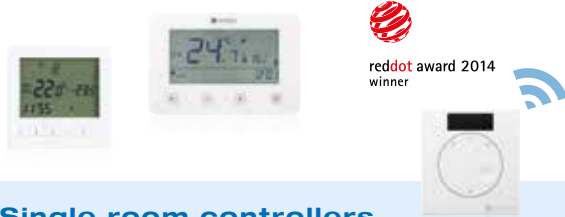
**Alarm units/
leak detectors**



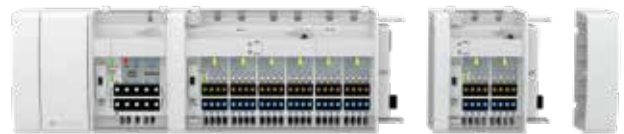
Smart Home



**Hydraulic
balancing**



**Single room controllers
and room thermostats**



Portable service instruments



Industrial technology and process engineering

Reliability, precision and a long service life are crucial when it comes to highly automated processes. Our robust measuring devices deliver perfect measurement results and reliably monitor and control simple to highly complex processes – even under the most adverse conditions.

AFRISO products meet the requirements

- Wide variety of process connections
- Large selection of materials
- Compact designs
- Hygienic and easy to clean
- Suitable for CIP and SIP
- FDA-listed materials
- Silicone-free versions
- Resistant to corrosive and abrasive media
- High overload safety
- Resistant to vibration and temperature

AFRISO solutions meet the pertinent directives and standards. Certificates, for example, for food-quality materials, explosion protection and resistance to media and temperatures attest to this.

Target markets

- Machines and plants
- Tanks
- Food and beverages industry
- Chemical industry
- Pharmaceutical industry
- Cosmetics industry
- Biotechnology
- Refineries
- Offshore industry
- Mineral oil industry
- Raw materials industry
- Hydraulic and pneumatics (fluid engineering)
- Medical technology, safety engineering
- Energy production
- Technical trade

Pressure. Temperature. Level.

In addition to our comprehensive range of mechanical and electronic pressure, temperature and level instruments, we also offer suitable mounting and installation accessories as well as display, control and evaluation devices.

AFRISO measuring instruments cover the following ranges:

Pressure: 0/2.5 mbar bis 0/4,000 bar

Temperature: -50 °C to +1,100 °C

Level: 0/20 cm to 0/250 m



Pressure, mechanical and electronic



Chemical seals



Pressure gauges with electrical contacts

Temperature, mechanical and electronic



Level



Gas analysis and gas alarm



Display units and system solutions

Special custom products

In addition to this comprehensive range of standardised, proven off-the-shelf products, we also offer customised special products made exactly to your requirements. We are constantly setting new standards with innovative concepts, for example, using plastic fittings instead of metal ones or a combination of plastic and brass materials in complex assemblies.

Adapted to your specific requirements

- Housing geometry
- Shape and colour
- Mechanical or electrical connections
- Pre-assembled, tested, ready-to-connect assemblies



Custom manifold systems



Complex assemblies made of plastic or as hybrid solutions

Close, direct customer contact as a result of consistent, international alignment.

On site worldwide for you

A tightly woven network of branches, distribution partners and service centres guarantees optimum consulting and delivery.

More than 1,300 AFRISO employees respond to country-specific challenges with close customer contact and individual service on site – worldwide!



**A total of more 1,300 employees
Exports to 65 countries**

- ▲ AFRISO production site
- ▲ AFRISO branch office
- AFRISO representation
- AFRISO authorised dealer

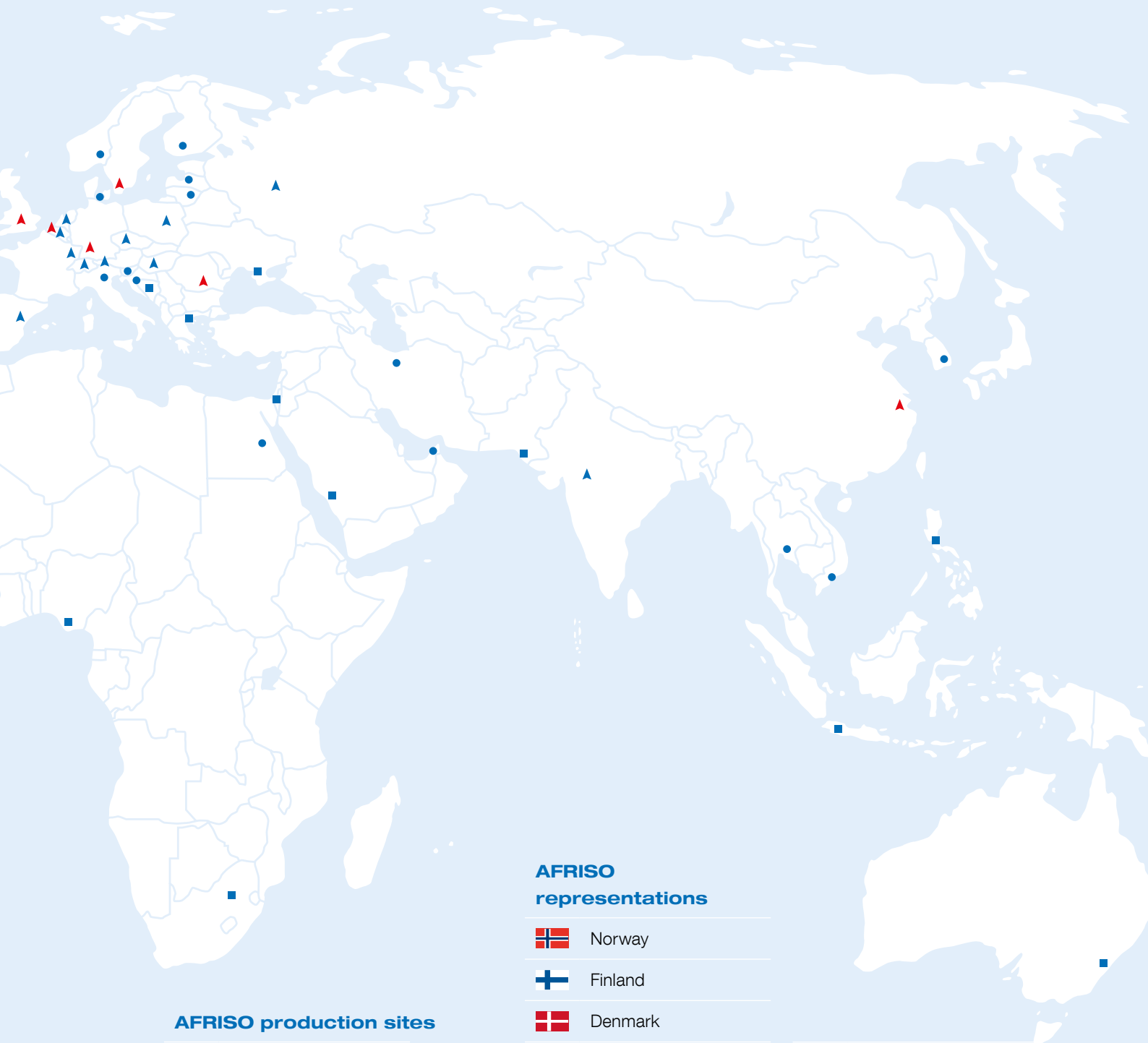
AFRISO Group

- | | |
|---|--|
|  Germany |  Czech Republic |
|  France |  Poland |
|  Great Britain |  Romania |
|  Belgium |  Sweden |
|  Netherlands |  Russia |
|  Switzerland |  China |
|  Austria |  India |
|  Spain |  USA |
|  Italy | |
|  Hungary | |

Your contact



www.afriso.com/worldwide



AFRISO production sites

-  Germany

-  Belgium

-  Great Britain

-  Sweden

-  Romania

-  China

AFRISO representations

-  Norway

-  Finland

-  Denmark

-  Lithuania

-  Latvia

-  Belarus

-  Italy

-  Croatia

-  Iran

-  United Arab Emirates

-  Egypt

-  Peru

-  Thailand

-  Vietnam

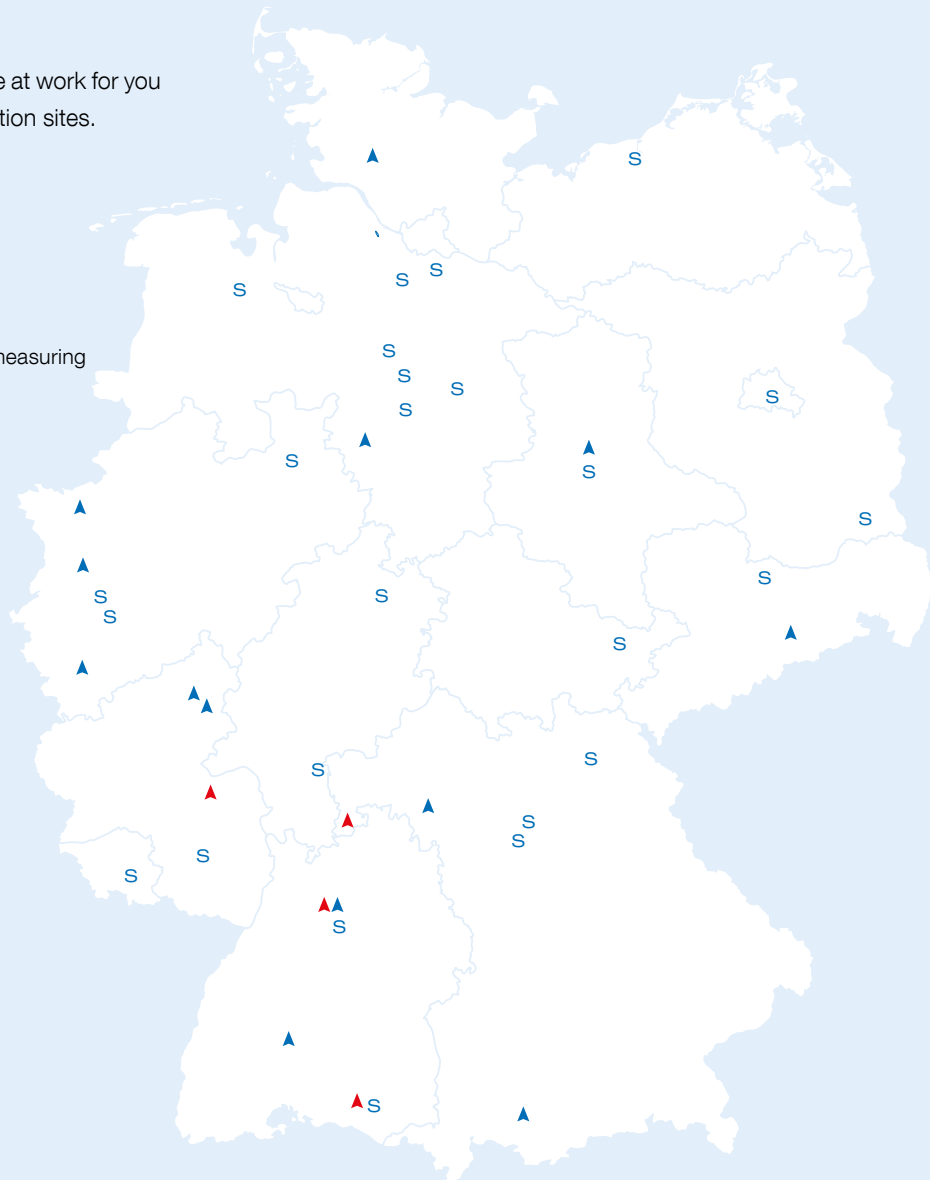
-  South Korea

AFRISO support centres – close by, guaranteed.

Sites in Germany

A staff of more than 650 are at work for you in our four German production sites.

- ▲ AFRISO production site
- ▲ AFRISO sales office/ field expert
- S AFRISO service point for measuring instruments and analysers



We ensure that you get professional, personal service.

With a staff of more than 80 field and internal experts! Please visit www.afriso.com/contact for further information on your specific contact person in Germany.

Your contact



www.afriso.com/contact



AFRISO production sites in Germany

Headquarters

AFRISO-EURO-INDEX GmbH
Lindenstr. 20
74363 Güglingen
Baden-Württemberg



Headquarters in Güglingen



AFRISO logistics and service centre



AFRISO training centre



Plant Amorbach

AFRISO-EURO-INDEX GmbH
Friedhofstr. 3
63916 Amorbach
Odenwald/Bavaria



Plant Amorbach - Production of linings

AFRISO-EURO-INDEX GmbH
Von-Stein-Straße 17
63916 Amorbach
Odenwald/Bavaria



Plant Illmensee

Systronik GmbH
Gewerbestr. 57
88636 Illmensee
Lake Constance/Baden-Württemberg



Alsenz plant

Gampper GmbH
Niedermoscheler Str. 2
67821 Alsenz
Rhineland-Palatinate

State-of-the-art conditions for fast and efficient processes

Logistics and service centre

With a storage and logistics area of more than 3,750 m² and a storage capacity of over 3,500 bin locations, the logistics and service centre, which went into operation in 2021, offers sufficient space for current and future requirements.

Digitised processes

Consistent digitalisation ensures lean, efficient workflows and speeds up daily processes. The SAP ERP system that is used across the entire corporation serves as a basis for this. In conjunction with specifically developed warehouse software, a high-performance and future-oriented system and process environment was created that meets the most modern requirements. Warehouse terminals guide our employees through the logistics centre, and „pick-by-light“ supports order picking.

The new building at the headquarters in Güglingen, which opened in 2021 and serves as the hub for the Europe-wide logistics processes, is a clear commitment to the region.



Distribution centre for national and international markets

Maximum availability, short delivery times. As a distribution centre, the new building is used to ship AFRISO products all over the world. It operates in dual-shift operation six days a week in order to fully meet the demands of national and international customers in terms of short and reliable delivery times. Our range comprises more than 25,000 products. More than 3,000 of them are on stock; a total of more than 1,600,000 individual devices are available from stock.



Automated vertical storage bins for small parts ensure high availability and optimum integration into the production and logistics processes.



State-of-the-art storage racks and measures such as „multi-order picking“, paperless logistics processing or consistent route optimisation contribute to sustainable cost and time savings in logistics processes.



»» We pride ourselves in **developing innovative technology** for environmental protection and constantly improving it as part of our **quality management system**. As a **committed team**, we want to inspire our customers - and ourselves - with the results of our work. ««

Dr.-Ing. Jan Späth

Managing Director Technology



The guarantee for high-quality products.

AFRISO quality

At AFRISO, quality is systematically planned and, at every stage of product development and production, managed and monitored. This is attested to by national and international approvals and certificates. Quality Assurance as per ISO 9001 and environmental management in accordance with ISO 14001 are a matter of course for us and implemented in every process.

Development and design

Each new development is meticulously engineered, developed, documented and tested. The standard version according to applicable standards and legal directives. In the case of special versions, precisely as per the customer's specifications and always using state-of-the-art technology.



The certified quality and environmental management systems ensure security for people, processes and the environment.





A wide variety of approvals and certificates. Stringent testing by national and international approval bodies ensures maximum reliability. The labels shown apply only to specific AFRISO products.



AFRISO service.

Our Service – Your Benefit

Flexible, cost-aware, on schedule, solution-oriented and fast – the AFRISO team always provides the decisive added value. Please get in touch with us. We look forward to you.

Information and presentation

Support either by phone or right at the customer's site. Our consultants speak your language – we provide you with personal and individual consulting worldwide. And if you have an in-house event for your customers, we will be glad to participate.

Courses and Training

Professional and practical. With our courses, workshops and seminars, you benefit from our many years of in-depth experience in the field of measuring and control technology as well as building automation. Our offers are based on current topics and standards as well as questions from our customers.



Service

Whether commissioning, professional maintenance, calibration or function checks – a network of service centres and our specialists support you in getting the maximum out of your AFRISO product. For reliable processes, precise measurement results, compliance with legal requirements and a long service life.

Repairs

In the case of a malfunction, send us your device along with a short description of the problem. We will take care of your repairs in a matter of just a few days.

Rental service

You cannot afford to do without your hand-held instrument? No problem, our on-site service ensures that you remain on duty. We will have your instrument picked up and send you a rental instrument. For a low rental fee. Ask for availability of this service in your country.



AFRISO milestones

Adelbert Fritz founded the company in Schmiedefeld/Thuringia in 1869. When his son Franz Fritz entered the company, the company name changed to Adelbert Fritz & Sohn, in short AFRISO. AFRISO became a globally re-

nowned brand for temperature and pressure measurement. AFRISO is still family-owned. The owners, Elmar and Jürgen Fritz, are the fourth generation to lead the company.



1869: Foundation of the company by Adelbert Fritz in Schmiedefeld am Rennsteig (Thuringia).



AFRISO became a globally renowned brand for temperature and pressure measurement.

1924: A new era commenced with the patent and the production of capsule elements: Precision pressure gauges, blood pressure measurement instruments and temperature controllers became the most important products for the time up to 1945 and the new beginning after that.



Up to 1945: Production of glass thermometers and glass instruments for medical applications and laboratory equipment.



In the Germany-wide spirit of optimism of the **1950s**, Franz and Georg Fritz began rebuilding the company in Kleingartach and Güglingen/Württemberg.



1958: Products for electronic level measurement extended the range for industrial applications.



The capsule element was also key in the development of pneumatic level indicators which marked the entry to the fuel oil market **in 1955**. This was followed by mechanical level indicators, overfill prevention systems and leak monitoring systems for the safe storage of oil products.

Market launch of the first portable electronic flue gas analyser.



Market launch of the first compact plastic manifold for surface heating systems.



Founding of sales and production companies in Western Europe. AFRISO renamed AFRISO-EURO-INDEX.

The future lies in the economical and environmentally compatible operation of heating systems. AFRISO launches a broad product portfolio on the market.

1960

1972

1974

1981

1

Bluetooth SMART

Measurement technology a step ahead: Modular sensor module system AFRISO CAPBs® for BlueLine measuring instruments, smartphones and tablets.

GET IT ON Google Play
Download on the App Store

2021

2020

2019

2016

Commissioning of logistics and service centre Güglingen, total investment: 6.5 million Euros



belparts
BUILDING HVAC COMPONENTS

Acquisition of the majority of shares in Belparts N.V., Rotselaar (Belgium)

Wireless AFRISO smart home system for building automation.



150
YEARS
Anniversary year

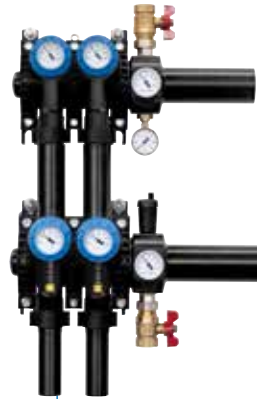


Integration of SYSTRONIK into the corporate group. Measuring instruments for the industry and the environment are combined in a new division.

Innovation: AFRISO presents the EUROLYZER ST, the first all-in-one flue gas analyser.



Market launch: Product portfolio for solar thermal systems.



Presentation of the first modular plastic manifold for brine



1994 **1996** **2006** **2008** **2009**

Internationalisation: Founding of subsidiaries in Eastern Europe.

Founding of subsidiaries in China and India.

Acquisition of the start-up CODEATELIER for further development of the smart home solutions



Innovative products for the heat pump sector complete the OEM range



Expansion and new brand identity of the AFRISO group: Introduction of the new company logo.



2015 **2014** **2012** **2011**



Industry focus: Pressure transducer range DMU 02 Vario with high-flexibility connection technology.

Acquisition of Gampper Technik GmbH – Control units and fittings for hydraulic balancing extended the product portfolio



Into the future with a sense of responsibility and independence.

AFRISO profile

A total of more than 1,300 employees are at work for you worldwide. More than 650 at the four production sites in Germany. We respond to current market requirements with a broad product portfolio, complex special products

and complete system solutions in addition to being a reliable partner to craftspeople, commerce, OEMs and the industry.

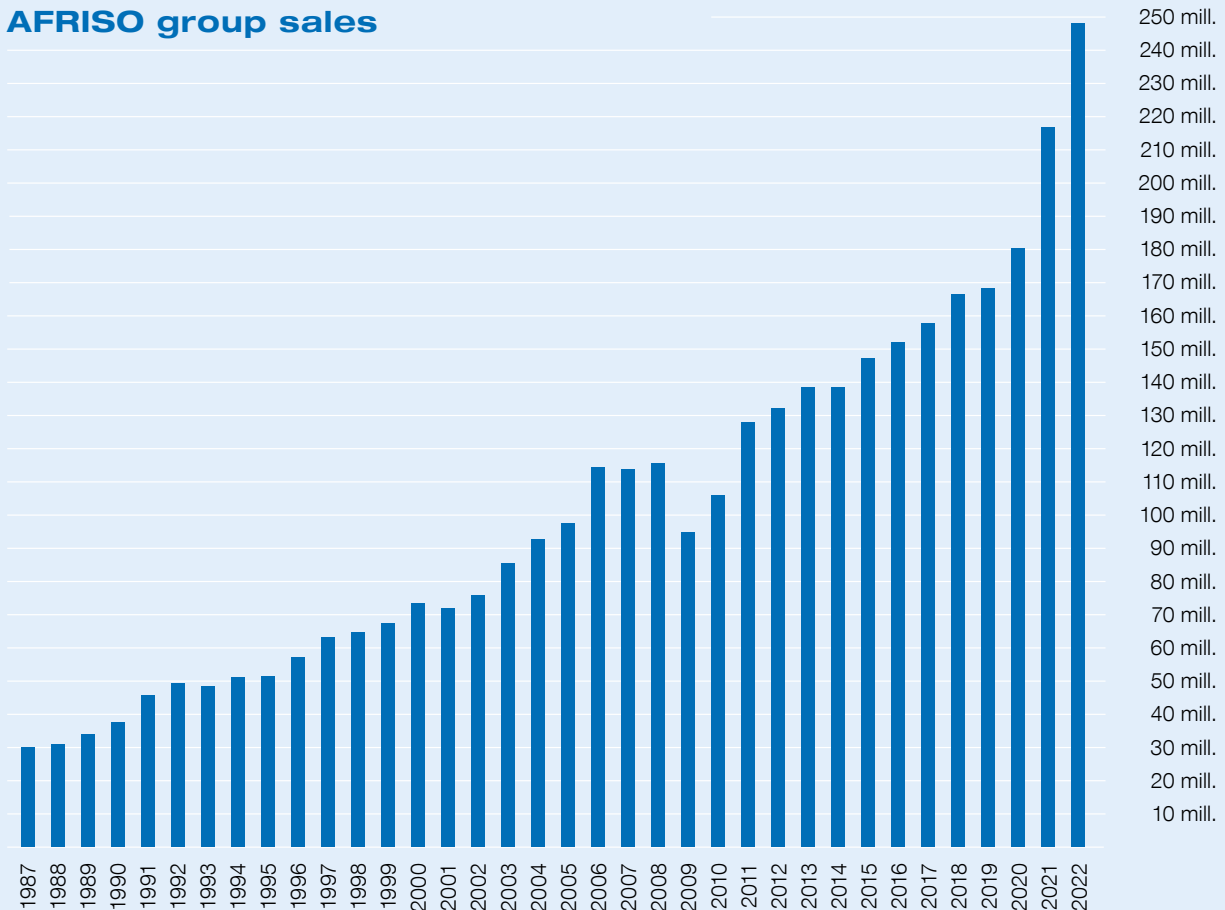
Company data:

- Industry: Measuring and control technology
- Founding year: 1869
- Type of company: Limited liability company, owned and managed by family, independent of corporate group
- Headquarters: Göglingen
- Equity ratio: > 50 %
- Representations and offices: 17
- Exports to 65 countries
- Staff: > 1,300 worldwide, > 650 in Germany
- Production site:
Göglingen (DE), Amorbach (DE), Illmensee (DE), Alsenz (DE), Rotselaar (BE), Crawley (UK), Bucharest (RO), Arlöv (SE), Suzhou (CN)

Portfolio:

- Measuring, control and monitoring technology for domestic, industrial and environmental applications
- Competitively priced, proven series products
- Special custom products
- System solutions
- Research and development
- Production
- Consulting and engineering
- App development/software programming
- Delivery
- Commissioning
- Training
- After sales

AFRISO group sales





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