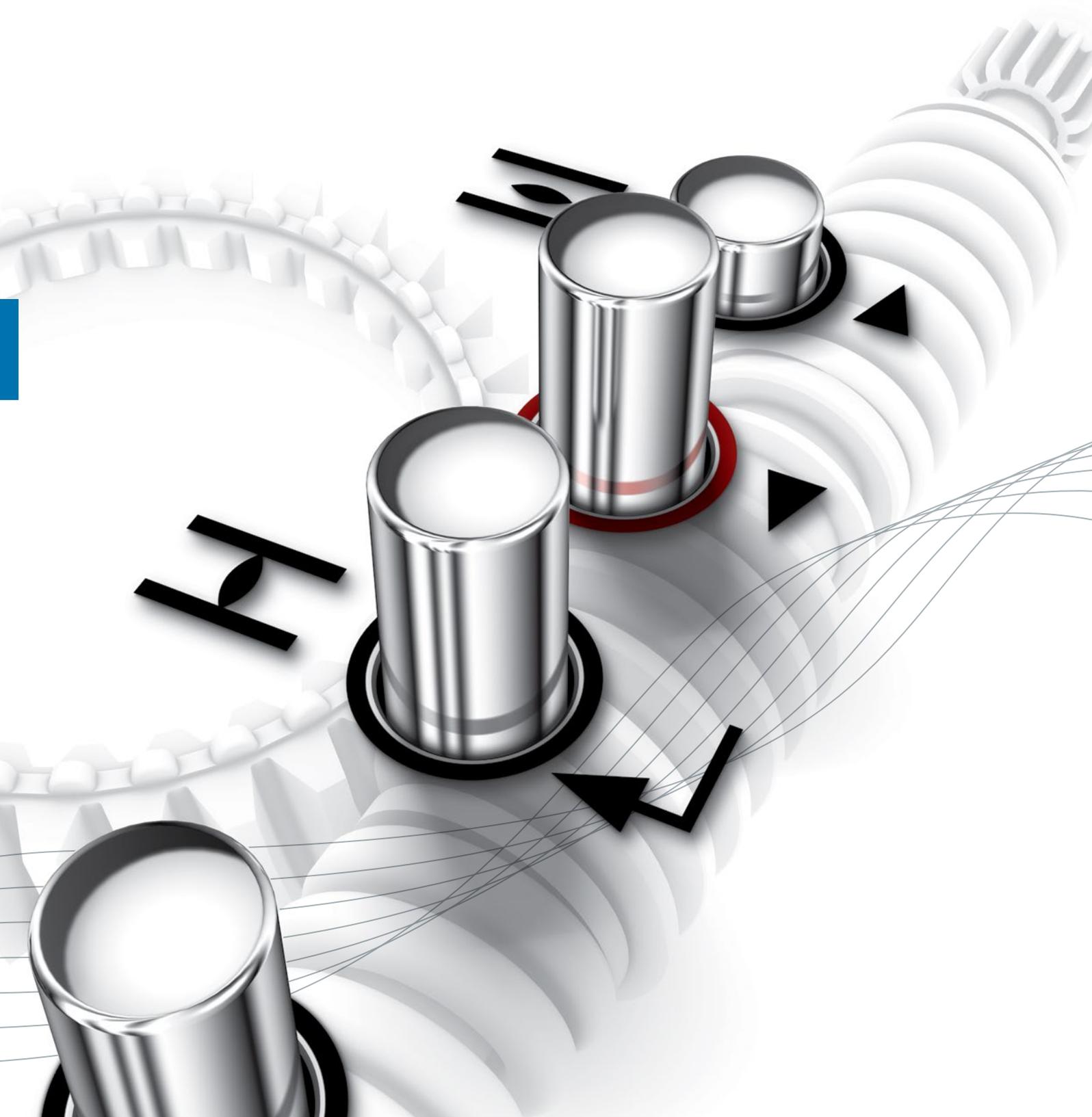


Your expert partner for electric actuators

AUMA GROUP



AUMA automate valves

And this for the last 50 years.

The two-man partnership has evolved into a global corporation, implementing their innovative products for industrial valve automation all around the globe.

You are invited to join us on our expedition.

Get to know AUMA and learn who we are, what we do – and how we can serve you.



Matthias Dinse

Commercial Managing Director



Henrik Newerla

Technical Managing Director



Dr Jörg Hoffmann

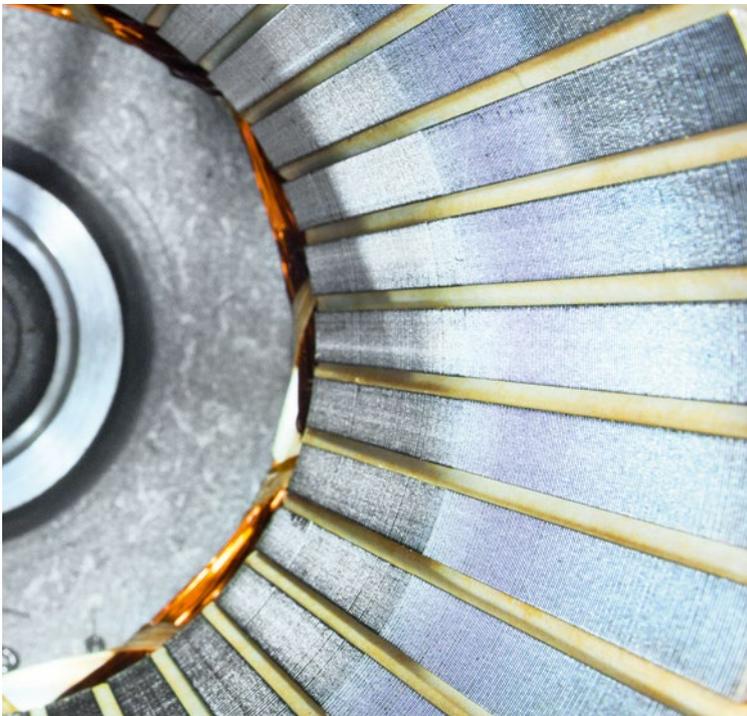
Managing Director Divisions



Portrait

Your expert partner for electric actuators
Customised actuators for all valve types
Facilities in Germany
Global network
Production
Assembly
Quality assurance
Research & development
Corporate Social Responsibility

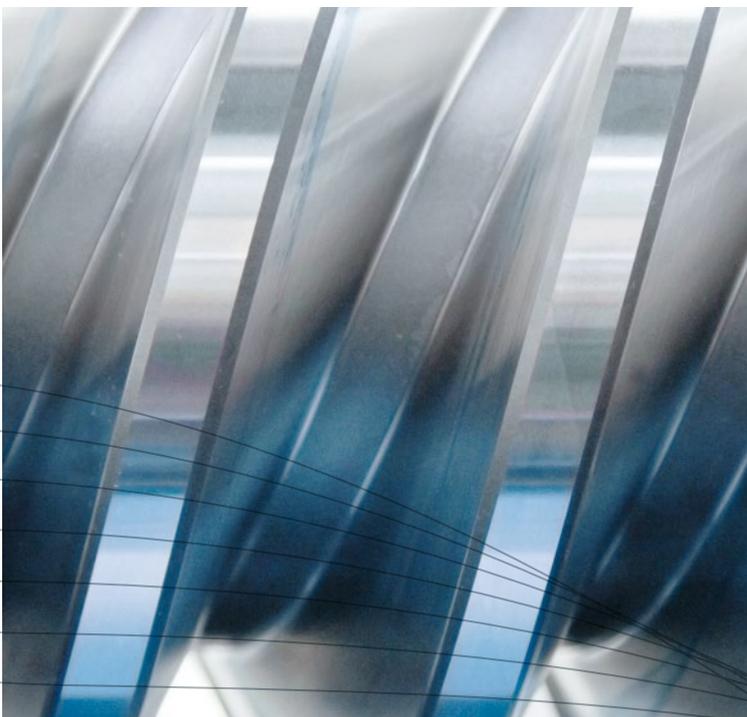
Page 4



Markets

Water
Power
Oil & Gas
Industry

Page 24



Products

Electric actuators
Combinations with gearboxes
Services

Page 44

PORTRAIT

Company insights



Armaturen- Und Maschinen- Antriebe

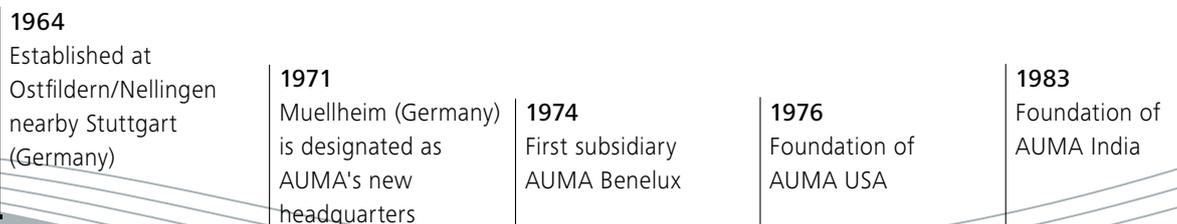
AUMA, the leading manufacturer of electric actuators for automating industrial valves. We are a medium-sized owner-managed enterprise combining a value-oriented culture with flexibility and reliability.



50 YEARS OF INNOVATION IN THE ACTUATOR BUSINESS

Since the foundation of the company in 1964 by Werner Riester and Rudolf Dinse, we have focused our complete engineering excellence on developing, manufacturing and distributing electric actuators. With our pioneering spirit and the clear feeling for market requirements, we have grown to a global technological leader. Our products are renowned for their long product life, reliability and highest precision with our customers.

Most of the product components are manufactured in our own, modern manufacturing plants. This is how we can guarantee top quality of AUMA actuators.



auma

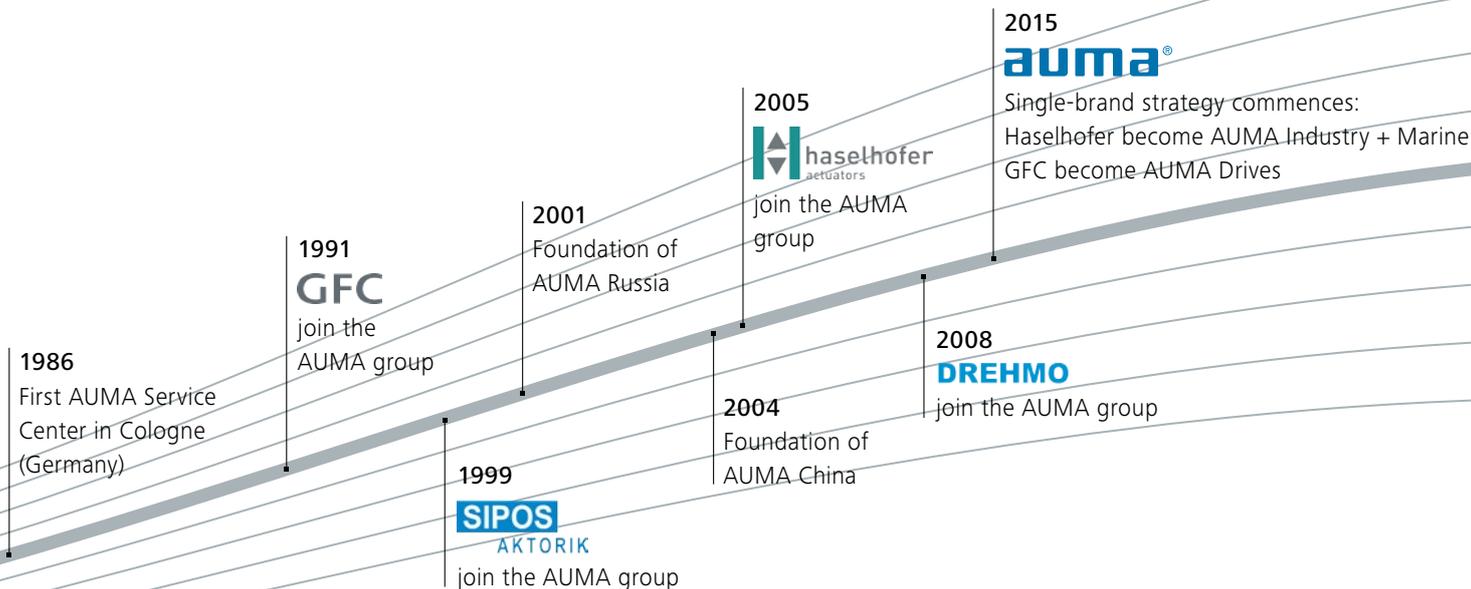
YOUR EXPERT PARTNER FOR ELECTRIC ACTUATORS

WORLDWIDE SALES AND SERVICE

'All business is local' – this conviction led us to establish our first subsidiary, AUMA Benelux, as early as 1974. Thanks to our cosmopolitan sales and service network, our customers trust us to find competent local support in more than 70 countries all around the globe.

SUSTAINABLE GROWTH

AUMA have grown to a successful global player, giving work to more than 2,300 people worldwide. Still today, we are an owner-managed private enterprise. We are committed as a reliable partner for our customers underpinned by our sound financial background and long-term growth strategies.



Actuators of the AUMA group work reliably all around the globe in water supply, waste water treatment, power stations, pipelines, refineries, and industrial plants of any kind.

AUTOMATION OF ALL VALVE TYPES

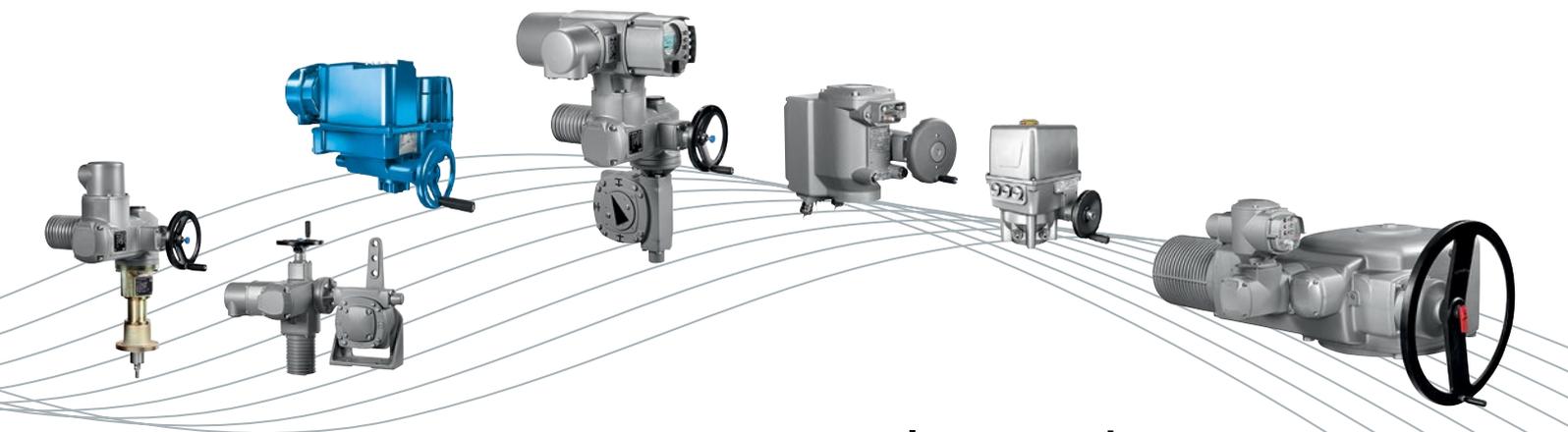
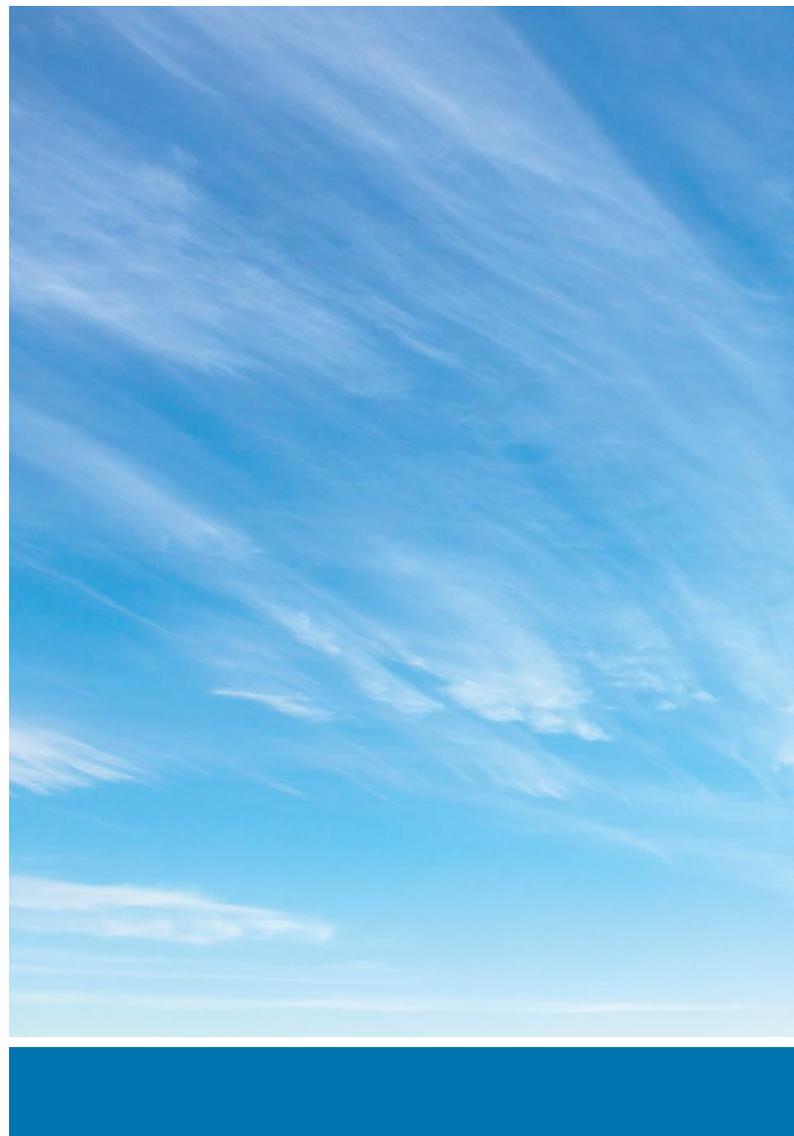
Our actuators are tailored to suit customer-specific needs. Thanks to our comprehensive product portfolio including high performance multi-turn, part-turn, linear, and lever actuators, we offer automation solutions for any type of valve – from two-inch ball valves to diverter dampers several metres high.

HIGHEST RELIABILITY

Actuators of the AUMA group comply with international standards and are designed to excel with the utmost reliability and long product lifetime. They guarantee reliable and safe service even in most hostile environmental conditions.

EASY INTEGRATION

Our products act both as mechanical interface to the valve and electrical interface to control systems. Modern integral actuator controls allow the safe communication with commonly used site control systems. Flexible device positioning and configuration including comprehensive accessories satisfy any variety of installation specifications.



Tailored solutions



CUSTOMISED ACTUATORS FOR ALL VALVE TYPES



With six production sites, three Service Centers, and fourteen regional sales offices, we at AUMA are in your direct vicinity throughout Germany. Across all our sites, we are committed to create long-term workplaces and a modern working environment.

High tech with tradition

AUMA HEADQUARTERS IN MUELLHEIM

Muellheim headquarters, at the foot of the Black Forest is the heart of the AUMA group. The tripoint where the borders of Germany, France, and Switzerland meet is the ideal spot due to the highly developed infrastructure and perfectly qualified available workforce. Traditional values like reliability, quality, and sustainability are deeply rooted.

- > Approx. 750 staff members
- > 23,200 m² manufacturing area
- > Production of SA multi-turn actuators, AM and AC actuator controls, GK and GST multi-turn gearboxes, LE linear thrust units

PRODUCTION SITE OSTFILDERN

- > Approx. 100 staff members
- > 7,400 m² manufacturing area
- > Production of SQ, SGC, SGM, SVC, SVM actuators



FACILITIES IN GERMANY



PRODUCTION SITE ALTDORF
SIPOS AKTORIK

- > Approx. 90 staff members
- > 4,200 m² manufacturing area
- > Production of SEVEN ECOTRON, SEVEN PROFITRON, SEVEN HiMod actuators

PRODUCTION SITE COSWIG
AUMA DRIVES
(FORMERLY GFC ANTRIEBSSYSTEME)

- > Approx. 230 staff members
- > 8,200 m² manufacturing area
- > Production of GS, GHT, SOG gearboxes

PRODUCTION SITE WENDEN
DREHMO

- > Approx. 130 staff members
- > 6,000 m² manufacturing area
- > Production of s-range, c-matic, i-matic actuators

PRODUCTION SITE VILLINGEN-SCHWENNINGEN
AUMA INDUSTRY + MARINE
(FORMERLY HASELHOFER FEINMECHANIK)

- > Approx. 40 staff members
- > 3,000 m² manufacturing area
- > Production of EQ and SDL actuators



From the very beginning to the present, we have been striving to support our customers all around the globe, assist them with competent excellence and offer comprehensive local and on-site service.

Worldwide in your vicinity

GLOBAL NETWORK



ADVICE, SALES, AND SERVICE

As a globally acting enterprise, AUMA possess a comprehensive sales and service network. Our local engineers can be found in all parts of the globe and they are deeply committed in advising and supporting you in your national language relating to all issues about AUMA actuators. Experienced AUMA service experts ensure worldwide support with installation, operation, and maintenance of our products.

LOCAL MANUFACTURING

Production sites in Germany, the USA, India, and China guarantee short transport and delivery times. We manufacture according to the identical exacting AUMA quality standards throughout all our factories.



AUMA WORLDWIDE

- > More than 20 subsidiaries
- > More than 50 representative offices
- > Production sites in Germany, the USA, India, and China

AMERICA

Argentina
Brazil*
Canada
Chile
Colombia
Cuba
Ecuador
Mexico
Peru
Puerto Rico
Trinidad Tobago
USA*
Venezuela

EUROPE

Austria*
Belarus
Belgium*
Bulgaria
Croatia
Czech Republic*
Denmark
Estonia
Finland*
France*
Germany
Greece
Hungary
Iceland
Ireland

Italy*
Malta
Norway
Poland*
Portugal
Romania
Russian Federation*
Slovakia
Spain
Sweden*
Switzerland*
The Netherlands*
Turkey*
Ukraine
United Kingdom*

AFRICA

Algeria
Egypt
Morocco
Nigeria
South Africa*
Tunisia

ASIA

Bahrain*
China*
Hong Kong
India*
Indonesia
Iran
Iraq
Japan*

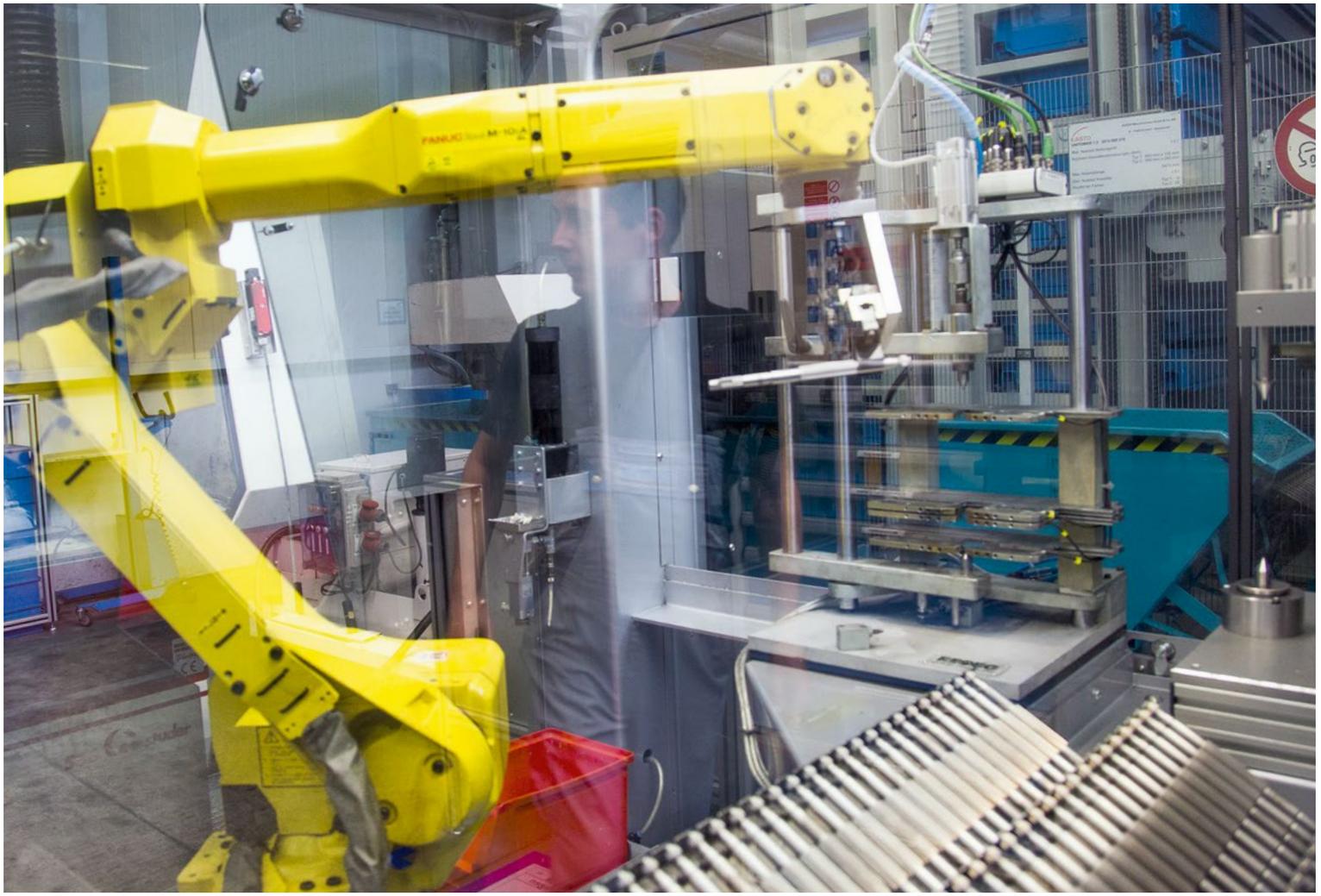
Jordan
Kazakhstan
Korea
Kuwait
Lebanon
Malaysia
Oman
Qatar
Pakistan
Philippines
Saudi Arabia
Singapore*
South Korea
Syria
Taiwan
Thailand

United Arab Emirates
Uzbekistan
Vietnam

AUSTRALIA

Australia*

* AUMA subsidiary



PRODUCTION

State-of-the-art production facilities

Manufacturing in our own plants is a crucial factor in favour of ensuring the constant top quality of AUMA products. We can immediately react to and comply with changing requirements while ensuring adherence to deadlines.

ORDER-RELATED PRODUCTION

AUMA products are by no means considered as mass produced products in spite of the challenging total number of more than 180,000 actuators per year. We are committed to manufacture each actuator complying to orders whilst implementing the specific customer needs. Consequently, we are in a position to offer a diversity of variants to our customers beyond our competition.

SINGLE SOURCE SUPPLY

Design, process planning, machining, surface treatment, assembly, logistics, quality management – we at AUMA manage and control the complete production chain. Our components are manufactured on a production surface of more than 60,000 m² worldwide and we guarantee outstanding quality and precise processing at each stage of the process.

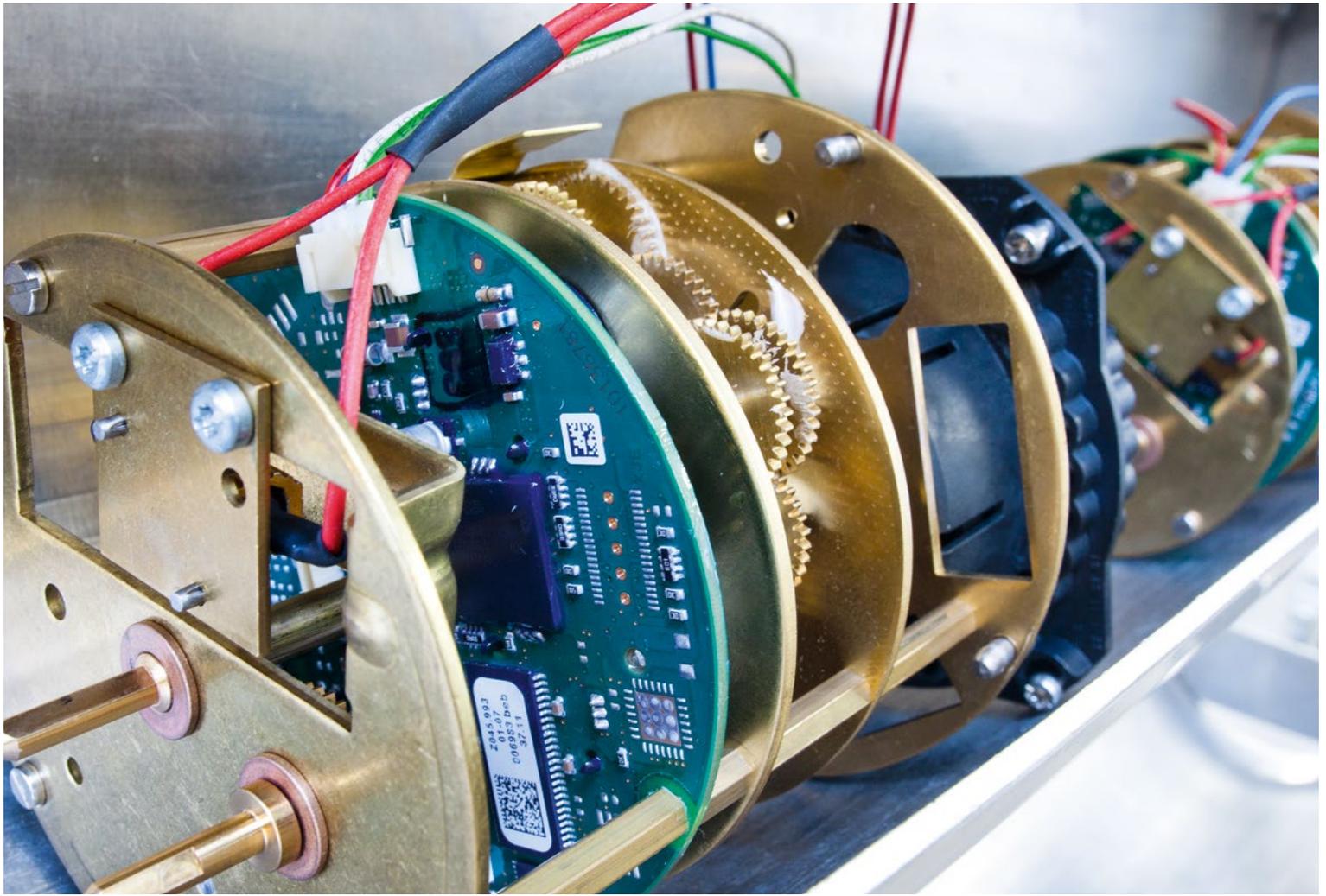


LATEST PROCESS TECHNOLOGY

AUMA's ongoing investments into the most modern machine and process technology are the driving factor for continuously increasing productivity. Latest generation machining centres ensure efficient and dimensionally accurate manufacture of housing and gearing parts.

POWDER COATING FOR TOP GRADE CORROSION PROTECTION

AUMA's unique two-layer powder coating for their products is spearheading the market standards for corrosion protection. At the same time, it reduces environmental impacts thanks to considerable pollution reduction. Powder coating individual parts promotes outstanding corrosion resistance particularly suited for the offshore segment.



ASSEMBLY



The comprehensive range of variants of our products continuously challenges the sophisticated demands relating to logistics, stock keeping, and assembly. Optimised processes and trained staff ensure that all working processes are precisely executed as ordered by our customers.

CONTINUAL PROCESS OPTIMISATION

Ongoing analysis, structuring, and optimisation across the process landscape allow us to provide our customers with superior quality at competitive prices. Proven processes are introduced and implemented throughout the AUMA group.

EFFICIENT ASSEMBLY

Our trained staff in assembly know every flick of the wrist by heart. Utmost care is taken to assemble complex sub-assemblies such as control units, actuators, and actuator controls. Ergonomically designed workplaces are created and ensure minimum delivery distance, allowing for efficient assembly even when dealing with complex sub-assemblies.

ADHERENCE TO DEADLINES

Delivery of large numbers of units day by day require that material is made available in sufficient quantity at the right time in the right place. Our needs-oriented logistics ensure maximum availability of parts resulting in meeting delivery times.

Diligence in every detail



Reliable quality

Actuators of the AUMA group have acquired an excellent reputation amongst our customers, in particular relating to reliability and quality. This fills us with pride. And with determined endeavour, we shall stay on this track of success.

CONTINUOUS CONTROL

Quality assurance accompanies the complete production process, from goods receipt to final product dispatch. Checks of dimensional accuracy, for example, performed at the crucial stages of the processes during production establish that only complying components are further processed.

100 PERCENT TESTING

Comprehensive final inspection tests are performed for all actuators and actuator controls prior to leaving our factories. Test benches specifically developed and designed by AUMA support functional testing, and this often in the presence of our customers. This is where actuator limit and torque switching is calibrated and set.

Each individual housing part of explosion-proof actuators and actuator controls are subjected to an overpressure test. Explosion-proof joints are 100% tested for accurate dimensions and perfect surfaces.

QUALITY ASSURANCE



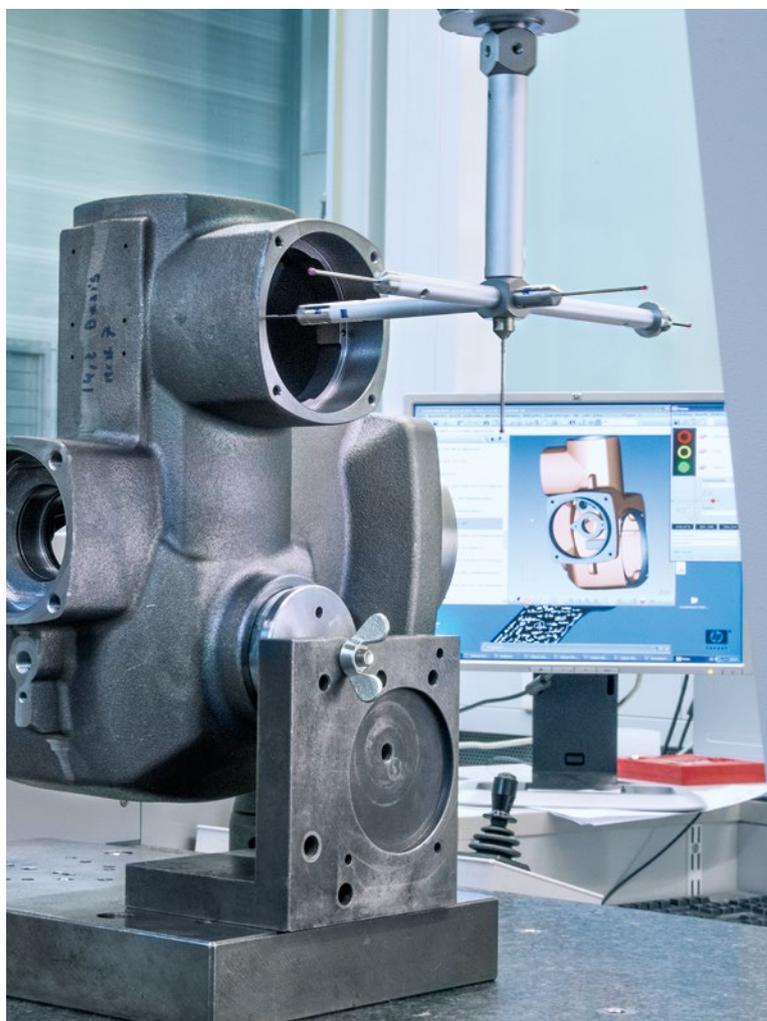
INDEPENDENT CERTIFICATIONS

The high AUMA quality standard is confirmed at regular intervals by independent test authorities. The whole AUMA group is certified according to ISO 9001:2008 and ISO 14001:2004 worldwide and additionally in Germany according to BS OHSAS 18001:2007. We manufacture according to uniform quality standards throughout all our production sites.

COMPREHENSIVE DOCUMENTATION

Records and inspection certificates are used to document all processes during manufacture and final inspection for traceability of measurements and results.

Inspection certificates, records and further certifications are available from AUMA on request or for download from the AUMA website.



Commitment to innovation

Demands on electric actuators are increasingly challenging; new technological facilities change the environment of process engineering. Our specialised development teams continuously work on enhancing and upgrading our products. Their innovative solutions spearhead industrial market standards in fields like sensor technology, asset management, fieldbus technology, Wireless, SIL, and explosion protection.

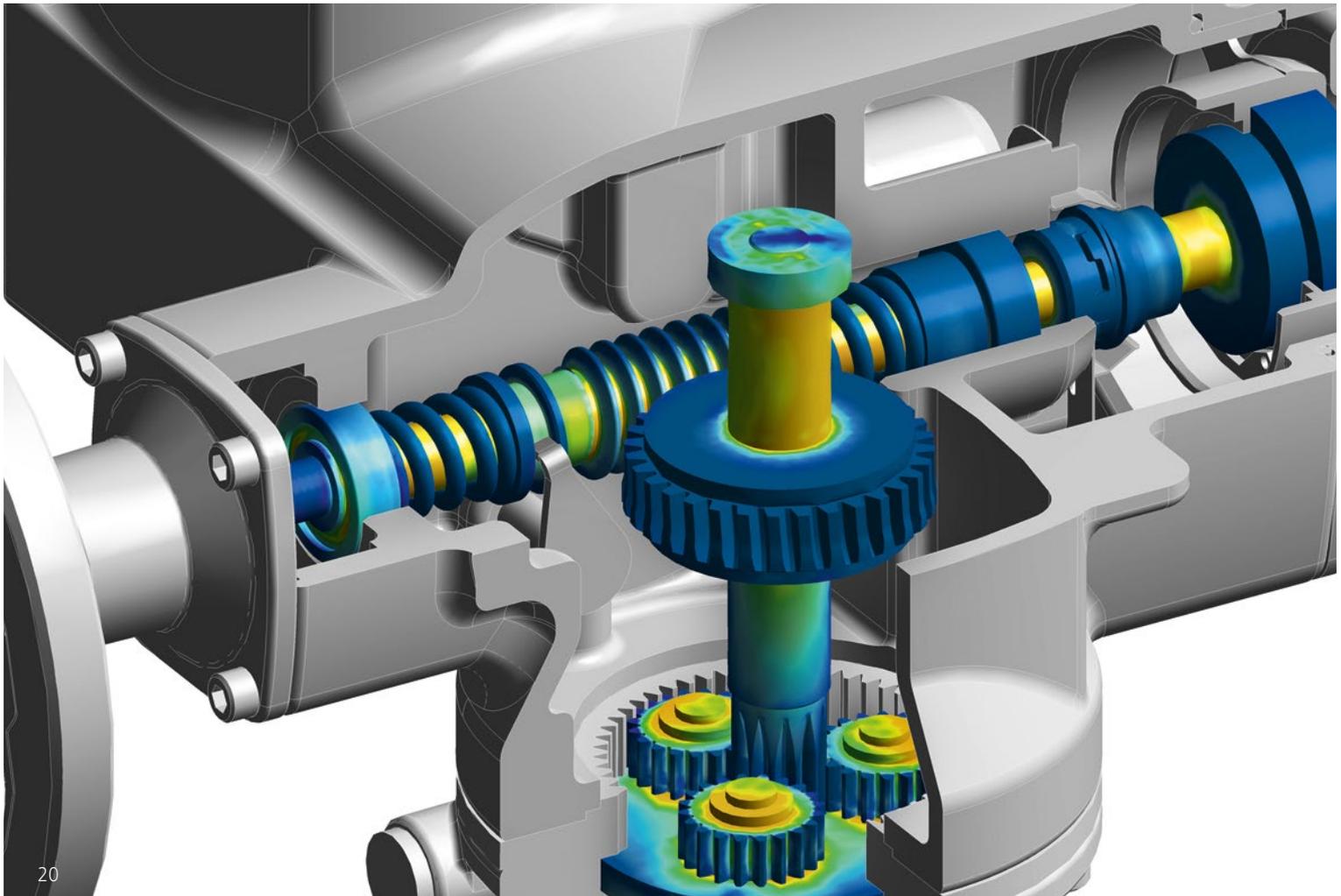
EXPERTS IN ALL SEGMENTS

AUMA management took the company from its specialisation in mechanics to a spearheading position in technology: expert teams work on the development of mechanics, electronics and software. On the basis of proven processes, our experts work on optimising existing products and product enhancement including new developments of complete type ranges. Operation and test software for our actuators are in-house developments in compliance with the latest technologies.

MODULAR DESIGN FOR THE FUTURE

AUMA products rely on the modular concept. We develop modular components with perfect matches, inviting combinations, resulting in avoidance of multiple developments by optimally using available resources. Short distance between development and production facilitates swift implementation. The result is a well thought-through product portfolio, easy to enhance and expand, taking into consideration future customer needs.

RESEARCH & DEVELOPMENT



TESTING IN HARSH AND HOSTILE CONDITIONS

New housings, new electronics, new motors, new materials – prior to launching new products on the market, they are subjected to extremely harsh and hostile conditions at the AUMA test laboratories. They must prove their technical capabilities in climatic chambers, salt spray test chambers, or vibration simulations. Approval is assigned after successful achievement of results.



RELIABLE PRODUCTS

Product life of all components is reviewed in automated accelerated lifetime tests where switching cycles quickly follow one after the other. Technical specifications like temperature and vibration resistance, maximum torque or shortest operating time are reliably assessed in standardised test series. To make sure that AUMA products will keep their promise also in the future.



Achieving the goal together

As a global enterprise, we are aware of our responsibilities towards society. We are highly committed to fostering our personal relationships, to implement production methods minimising environmental impacts, and create fair opportunities for all stakeholders.

CORPORATE SOCIAL RESPONSIBILITY



MANAGING RESOURCES

Not only our products contribute considerably to efficient use and management of natural resources in many parts of the world. For us, ecological aspects in every day work are very important. We actively increase awareness among our staff, reduce waste, and improve the energy efficiency of our buildings – we tackle this crucial issue from many angles.

As early as product development, we at AUMA avoid hazardous substances: With electronic components, for example, we renounce toxic agents like lead.

In production, we managed to halve solvent consumption by introducing powder coating, refraining from wet painting. Integrated waste water processing reduces fresh water consumption. Process heat generated by compressed air, for example, is recycled and reused.

OFFERING CHANCES AND OPPORTUNITIES

'Think globally, act locally' – AUMA global motto for donations of money and goods at local subsidiary level to support social institutions. Support is given to charity organisations but also to local sports clubs, schools and other facilities in need. As an example, AUMA actively contribute to the building of schools in Bangladesh, foster training and educational projects in India and support the drinking water supply in China.



RESPECTING VALUES

We focus on long-term and reliable relationships with our partners and with our staff. The AUMA culture values mutual appreciation and respect, nurturing the awareness that we strive for the same goal: Rendering optimum service and advice to our customers by awarding top priority to quality – with both our products and services. Developing ideas

DEVELOPING IDEAS

The road to success is our experienced staff who are strongly committed, day after day, in enhancing the quality of AUMA solutions. Providing stable infrastructure and safe workplaces with fast decision-making processes, awarding space for responsibility, creativity, and innovation.

We have established a continual improvement programme encouraging all members of staff to submit suggestions and implement ideas.

Sports and social events create networks and nurture cooperation beyond departments and across various sites.

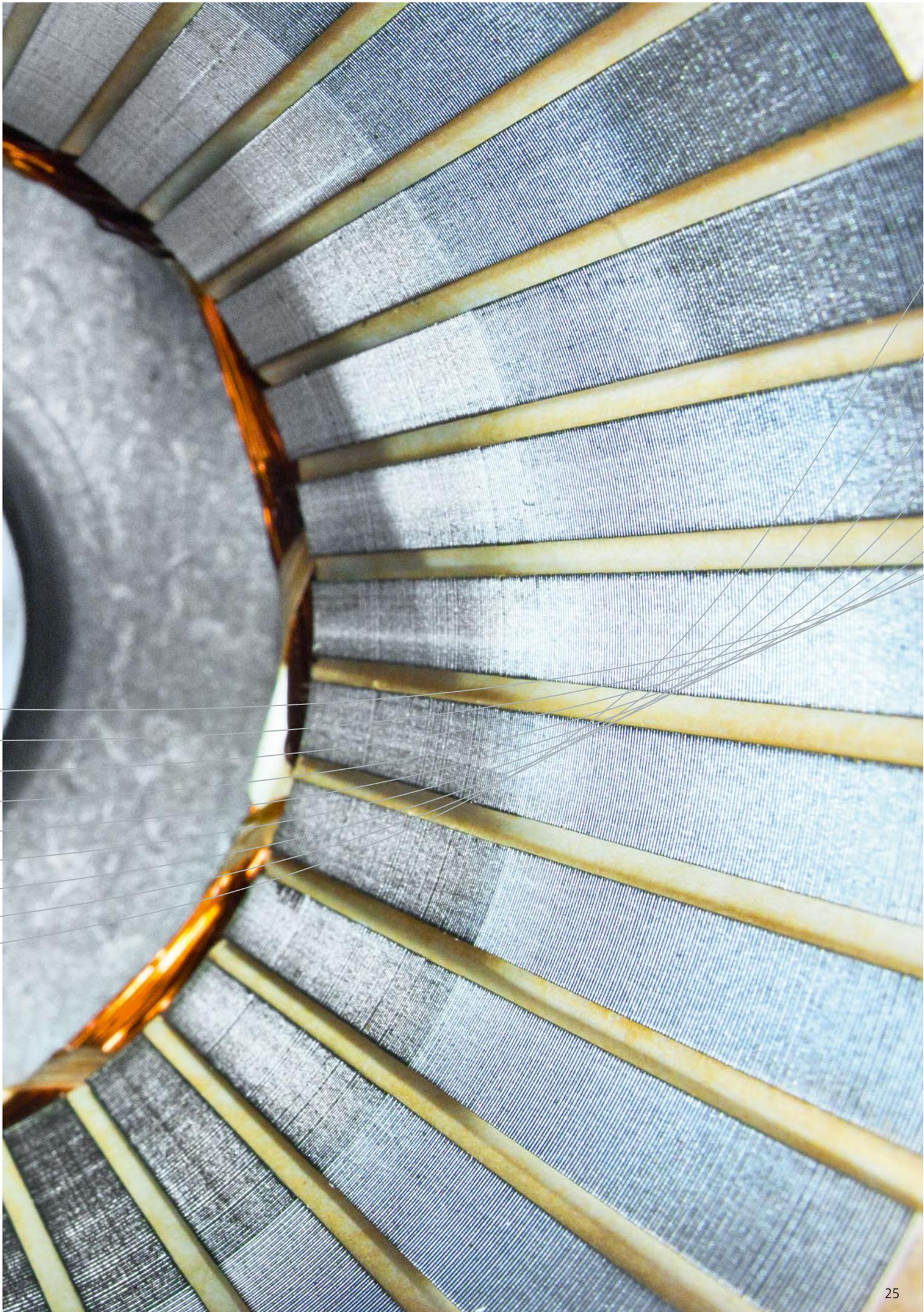
CREATING PERSPECTIVES

Individual training and educational programmes are implemented to support and enhance expert and personal competence of our staff. Besides our large variety of internal training and educational programmes, we encourage our staff to participate in external training schemes and give further support in implementing professional goals.

We are highly committed and proud to develop professional perspectives for young people. AUMA offer many corporate apprenticeships and educational schemes in administration and production. Trainee programmes are open to graduate students in gaining state-of-the art knowledge in research and technology linked to practical and professional experience within the company.

MARKETS

Water
Power
Oil & Gas
Industry



WATER

From potable water production and distribution, sewage treatment to civil engineering constructions for water applications, AUMA actuators automate valves of any size and design.



POWER

AUMA actuators are relied upon for controlling water and steam flows in pipelines throughout power plants of all types. Offering a uniform interface for all automated valves, they are specifically adapted to the power plant control stations.



SOLUTIONS FOR ALL MARKETS

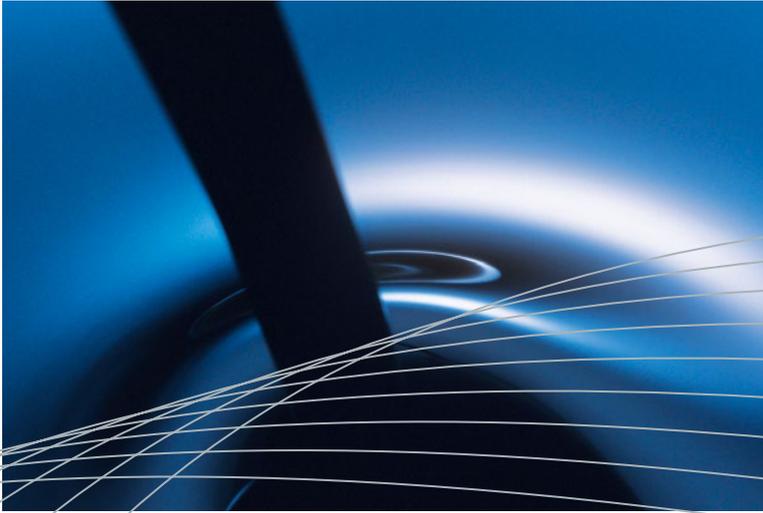
Customers in focus

OIL & GAS

International certification in explosion protection, high SIL capability, and perfect reliability in particularly harsh and arduous climatic conditions – AUMA actuators meet the crucial requirements of the oil & gas industry.

INDUSTRY

Thanks to the modular product design, AUMA actuators deliver convincing solutions and undisputable answers to plant specifications in industrial applications.



Commitment to customer needs is our driving force. As an independent manufacturer, we have pride in our long-term and successful cooperation with our customers in the valve industry, plant engineering, and process plant operation. We at AUMA offer established actuator solutions for the markets of water, power, oil & gas, and industry.

RELIABLE PARTNERSHIP

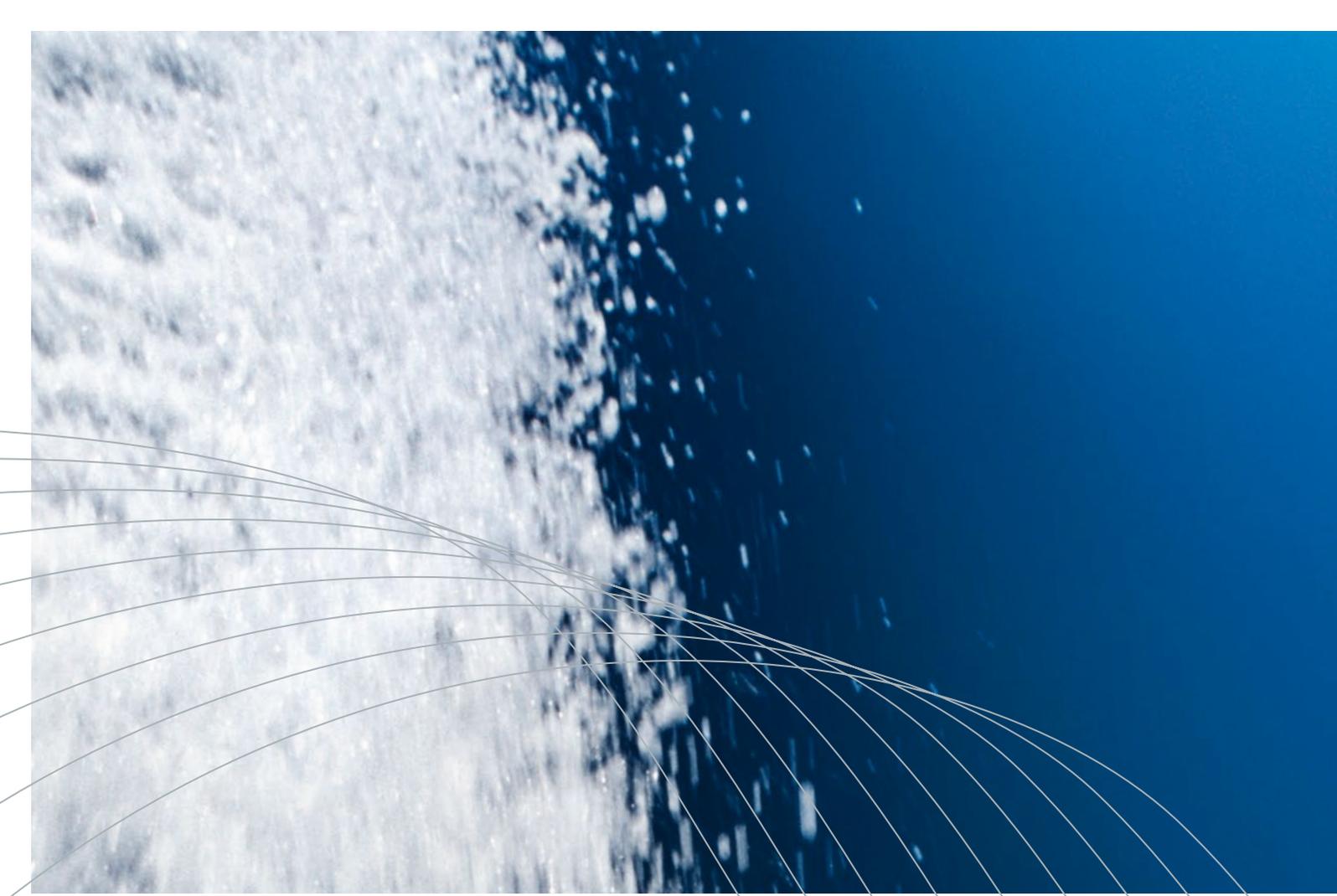
We cooperate at all levels with our international partners and provide committed support at all phases of project management. Tasks and mission of the actuators are identified and determined during the ongoing dialogue with our customers.

Our global approach allows for detailed local support by experienced AUMA sales engineers when selecting your ideal actuation solution. Our comprehensive service portfolio will accompany and assist you throughout the total lifetime of our products.

LONG-TERM SECURITY OF INVESTMENT

International production certifications and customer approvals confirm the excellent quality of AUMA actuators. Our actuators are designed for long product life whilst withstanding harsh environments. Their mission consists in delivering reliable and safe performance over many years or even decades.

Our modular products are compatible across all product generations. Of course we guarantee the availability of spare parts for ten years after discontinuation of a product.

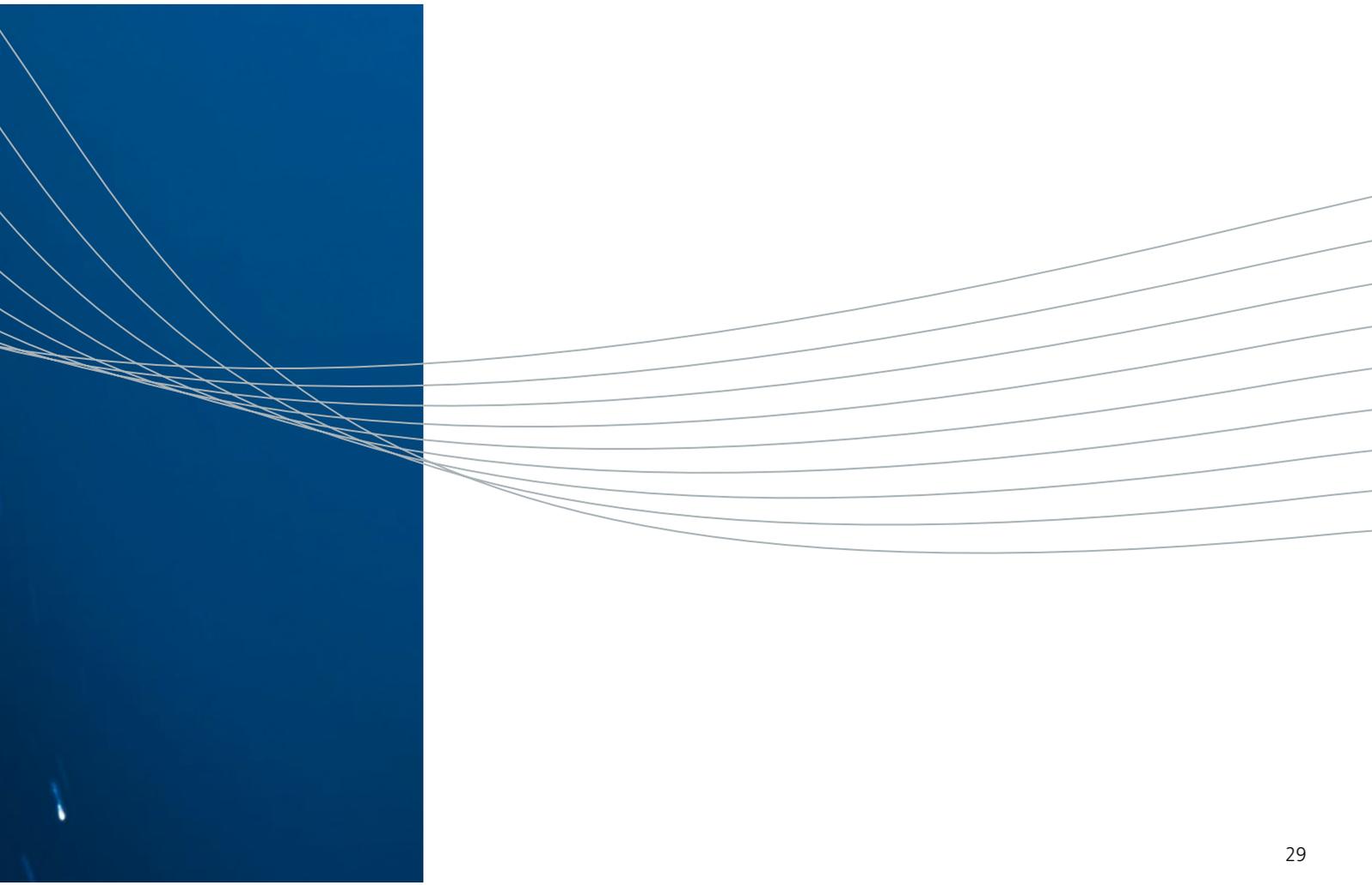


WATER





AUMA solutions
for the
water industry



Wealthy expertise of half a century

Clean water is the basis of all life. Potable water production and distribution, sewage treatment and disposal are core tasks of modern water management. Electric AUMA actuators ensure dependable and reliable valve automation.

IN THE BEGINNING WAS THE WATER

AUMA actuators earned themselves an excellent reputation by meeting the special challenges and finding the perfect solutions in the water industry. Today, the AUMA brand is considered as a synonym for long service life and ruggedness. For several decades, AUMA actuators have been providing reliable and efficient service all around the world whilst requiring very minimal maintenance.



WATER



DESIGNED TO FIT ANY SIZE

From individual actuators for municipal sewage treatment plants to major projects combining several hundreds of units, from the small butterfly valves and ball valves to weirs several metres high –

AUMA solutions are trusted for all customer demands.

Our modular products are easy to retrofit in an existing installation when upgrading with modern actuation and control technology.

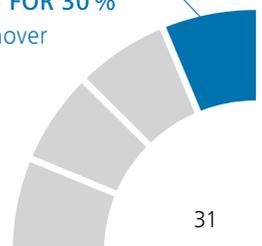
EASY INTEGRATION

Whether integration in established PLC control concepts or latest fieldbus technology is challenged – AUMA actuators guarantee sympathetic adaptability into any control system design.



- > SEWAGE TREATMENT PLANTS
- > WATER TREATMENT PLANTS
- > DRINKING WATER DISTRIBUTION
- > SEWAGE DISPOSAL
- > SEA WATER DESALINATION
- > IRRIGATION SYSTEMS
- > CIVIL ENGINEERING CONSTRUCTIONS FOR WATER APPLICATIONS
(SLUICE GATES, WEIRS, DAMS)

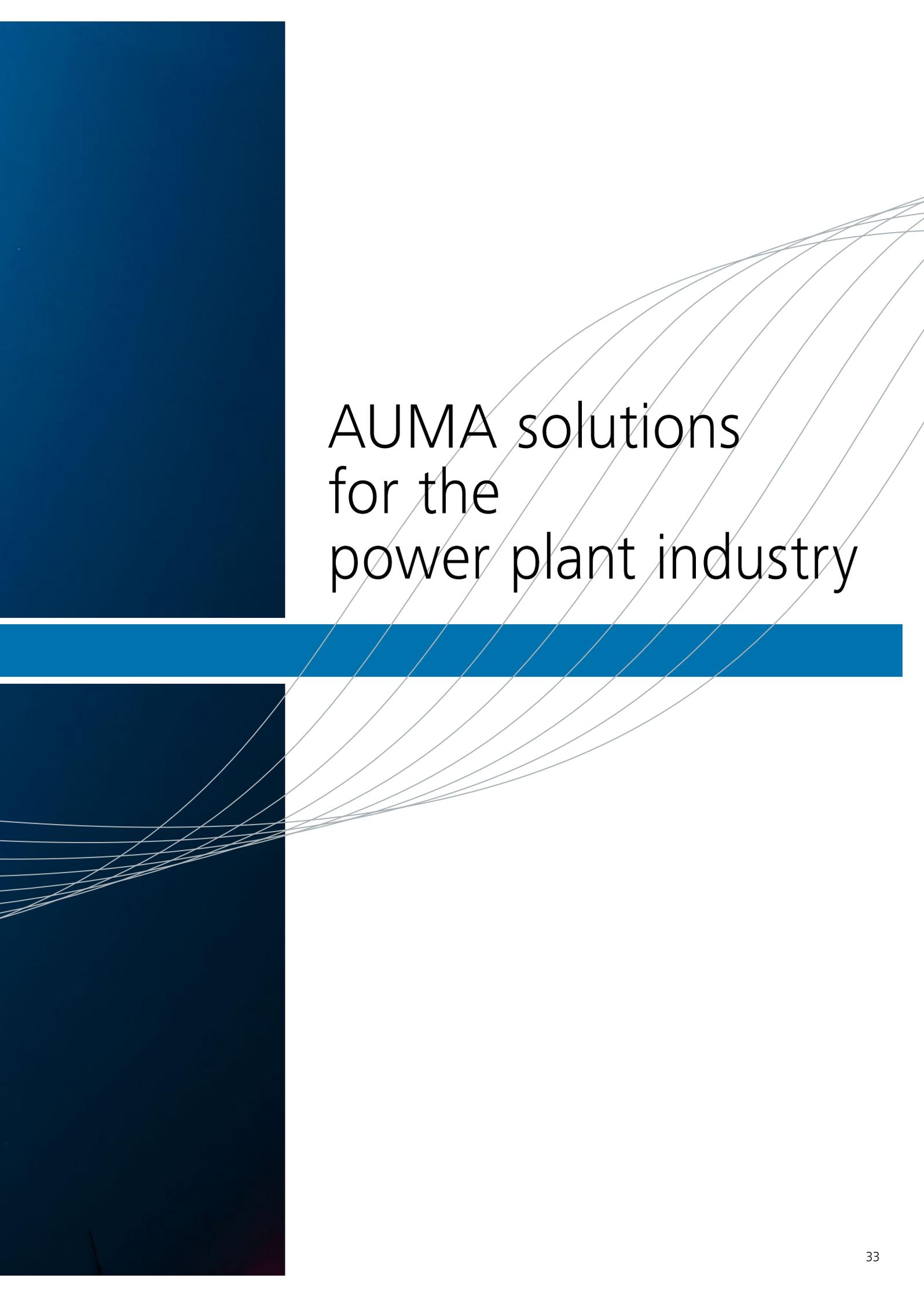
WATER
ACCOUNTS FOR 30 %
of total turnover





POWER





AUMA solutions
for the
power plant industry

Seamless integration

Power plants are challenged to master complex processes in harsh environments. Electric AUMA actuators successfully control flow of water and steam – in feedwater treatment plants and steam generation as well as in turbines, flue gas purification and cooling towers. They satisfy the highest demands for control accuracy, reliability, and safety.

INTEGRATION INTO ANY SITE CONTROL SYSTEMS

AUMA actuators are the perfect match for interfaces designed to the needs of power plant control system management. They safeguard uniform communication with all valves. Thanks to redundant fieldbus technology, data communication is particularly reliable.

CERTIFIED NUCLEAR ACTUATORS

AUMA supply electric actuators complying with the safety-critical duties in nuclear power plants. Actuators are qualified for both Inside and Outside Containment.



POWER

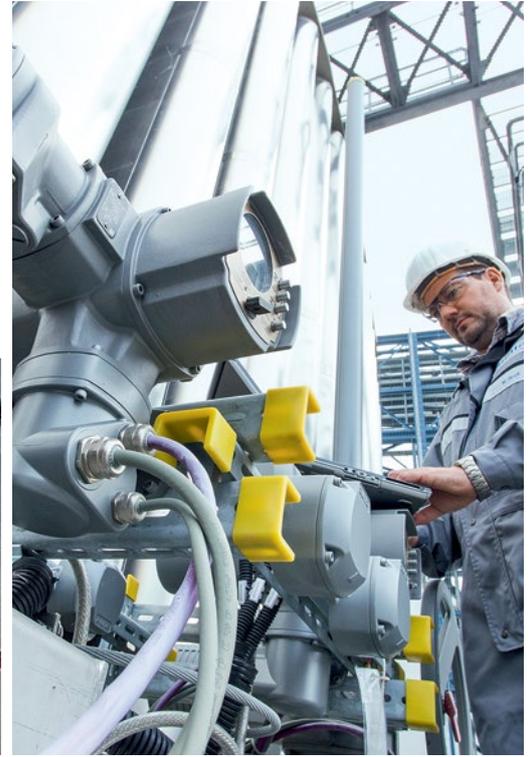
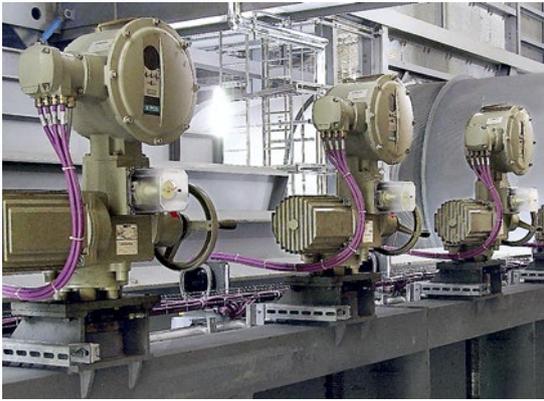


SUPERIOR AVAILABILITY

AUMA actuators provide dependable plant availability thanks to their renowned reliability. AUMA actuators are qualified for safety-related systems up to SIL 3. Extensive diagnostic functions allow integration into asset management systems.

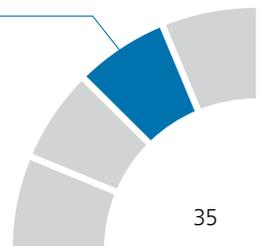
AUMA powder coating excels by withstanding highly corrosive environments, for example, in cooling towers. Remote mounting to separate wall brackets safeguard AUMA actuator controls' services even in the case of significant vibration, high temperatures, and wherever actuator access is extremely difficult.

AUMA offer comprehensive maintenance concepts reaching as far as the complete service for power plant inspections.



- > THERMAL POWER PLANTS (COAL, GAS, OIL)
- > NUCLEAR POWER PLANTS
- > COGENERATION POWER PLANTS
- > DISTRICT HEATING
- > HYDROELECTRIC POWER PLANTS
- > GEOTHERMAL POWER PLANTS
- > SOLAR THERMAL POWER PLANTS
- > WASTE INCINERATION PLANTS
- > INDUSTRIAL POWER PLANTS
- > BIO GAS POWER STATIONS

POWER
ACCOUNTS FOR 30 %
of total turnover

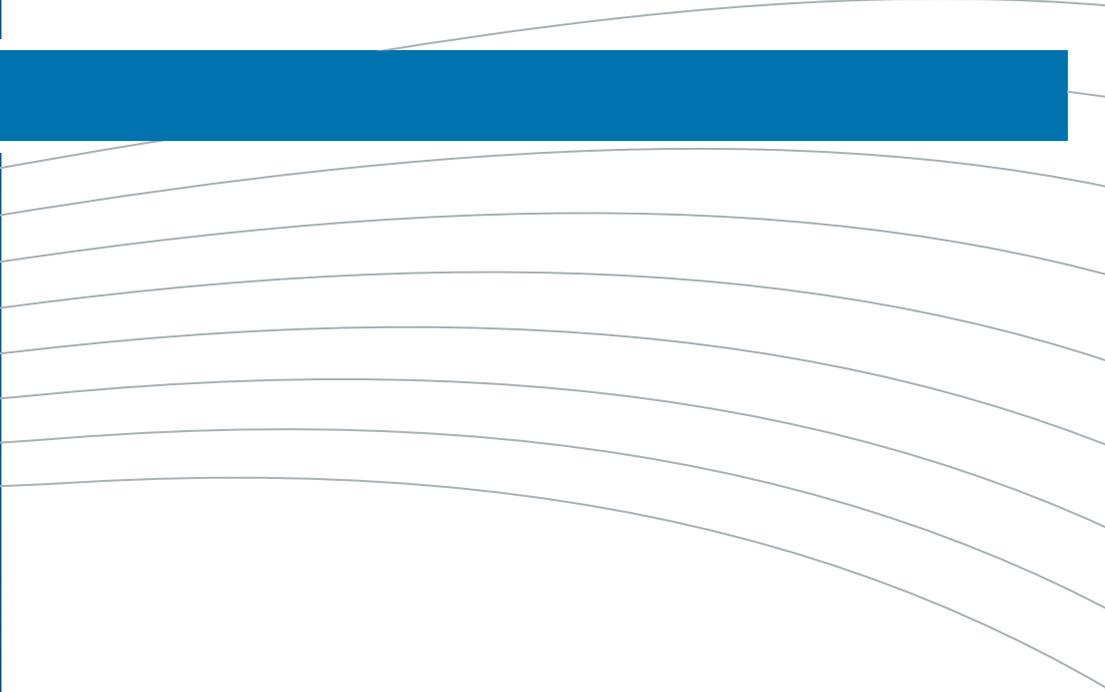


The background is a deep blue gradient with several thin, white, curved lines that sweep across the page from the left side. In the lower half, there is a dark, almost black silhouette of a hand, possibly holding a pen or a tool, which is partially illuminated by a bright blue light source from the right, creating a strong contrast and highlighting the contours of the fingers.

OIL & GAS



AUMA solutions
for the
oil and gas industry



Witness for safety

Oil & gas are crucial energy sources for modern society. They are extracted, processed, and distributed using most sophisticated technologies. AUMA actuators completely meet the challenging safety requirements of this market segment.

WORLDWIDE RECOGNITION AND AWARENESS

Notable companies in the oil and gas industry trust AUMA actuator solutions for their challenging duties. Whether exposed to the freezing temperatures of Siberia or the scorching heat of the Persian Gulf - AUMA actuators provide reliable and safe duty in extreme climatic conditions.

EXPLOSION PROTECTION AND SIL

AUMA actuators and actuator controls are approved and qualified for integration into potentially explosive atmospheres. They are certified for safety-related systems up to SIL 3. Actuators with fireproof housings provide reliable service for a longer time period even in the event of a fire.



OIL & GAS



FIELDBUS

Fieldbus interfaces for Profibus DP, Modbus RTU, Foundation Fieldbus, DeviceNet as well as HART interfaces ensure seamless integration into the distributed control system. Redundant data communication increases data transmission security.

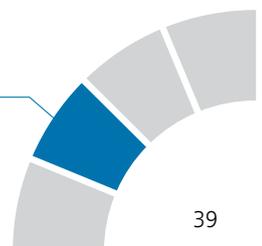
ADVANCED DIAGNOSTICS

Thanks to their modern sensor technology and extensive diagnostic functions, our products are easily integrated into asset management concepts and improve plant performance and availability.



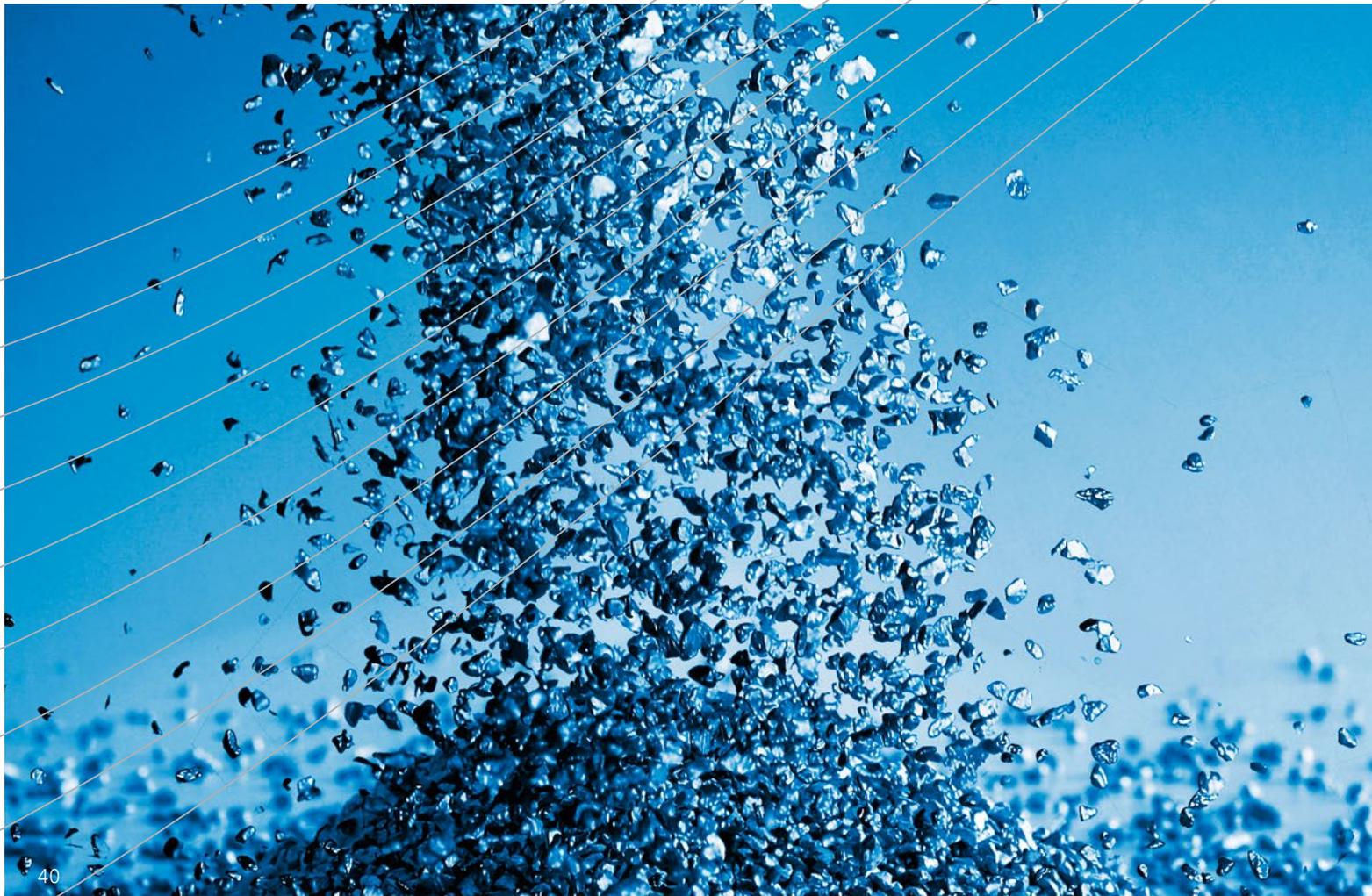
- > REFINERIES
- > PIPELINES
- > TANK FARMS
- > PLATFORMS
- > PUMPING STATIONS
- > GAS TANKS
- > LNG TERMINALS

OIL & GAS
ACCOUNTS FOR 25 %
of total turnover





INDUSTRIAL AND SPECIAL SOLUTIONS





AUMA solutions for the industry

Versatile actuators for all situations

Different process plants do have one thing in common: Liquids, gases or granules are fed and dosed to the individual process stages through pipelines and transported for further processing. In these applications, electric actuators for valve operation play a crucial role due to the high level of automation.

VARIED EXPECTATIONS AND DEMANDS

Thanks to our modular product portfolio with large torque ranges and comprehensive accessories, AUMA are your ideal partner for identifying your automation solutions to your plant specifications.

From simple opening and closing of valves to complex control duties with fine-tuned setpoint control – there is no limit to the span of feasible applications.

Simple operation, safe communication via modern controls and excellent reliability – this is just to name some of the varied customer benefits for favouring AUMA solutions.



INDUSTRIAL AND SPECIAL SOLUTIONS



EXTREME ENVIRONMENTS

AUMA actuators excel with their high corrosion protection, coping with most hostile and harsh environments prevailing in mining as well as paper and cement industries.

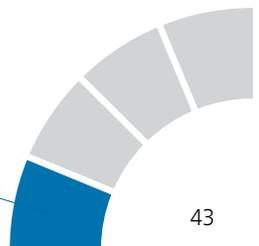
AUMA modulating actuators meet the demands for positioning accuracy and short reaction times in long-term service in the chemical and pharmaceutical industries.

Automation duties on ships require compact products: AUMA offer specifically designed actuators to comply with the space constraints.



- > CEMENT INDUSTRY
- > STEEL MILLS
- > PAPER INDUSTRY
- > HEATING, VENTILATION AND AIR CONDITIONING
- > SHIPBUILDING INDUSTRY
- > CHEMICAL INDUSTRY
- > FOOD INDUSTRY
- > PHARMACEUTICAL INDUSTRY
- > GLASS INDUSTRY
- > MINING
- > REFRIGERATION ENGINEERING

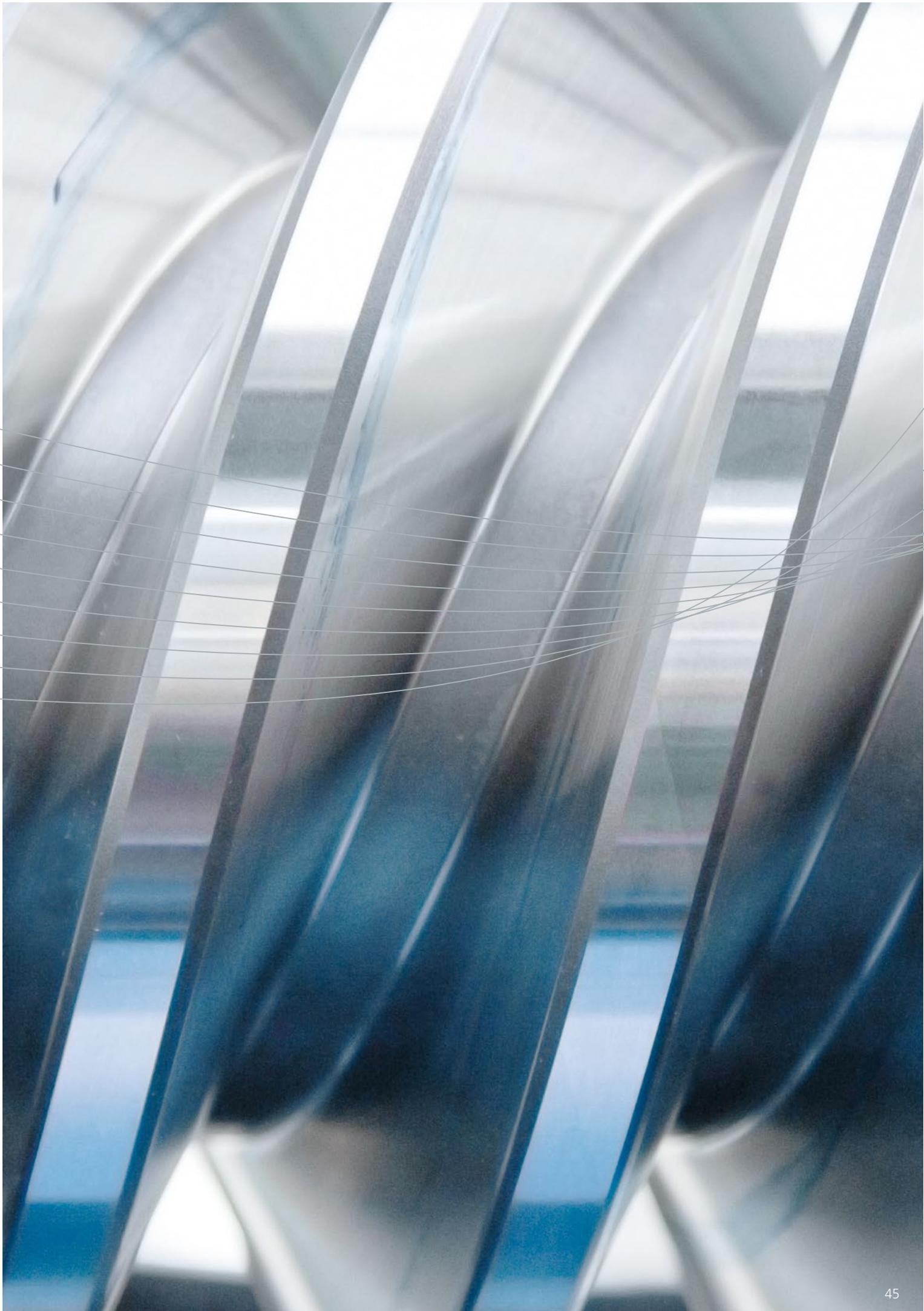
INDUSTRY
ACCOUNTS FOR 15%
of total turnover





PRODUCTS

Individual solutions
for individual challenges



For decades, products of the AUMA group work reliably in many applications. Every single product has been developed to satisfy specific requirements. We are convinced that you will find the ideal solution for your plant in the AUMA product portfolio.

On the following pages we will provide an initial overview on our broad product ranges. Please refer to the detailed product documentation for further information.



MODULAR ACTUATORS

SA and SQ actuators are robust and versatile. Equipped with AM or AC controls, they can be implemented into any automation system. They have earned their outstanding reputation by easy handling, reliability, and long service life, even under most unfavourable and harsh environments.

These modular actuators adapt perfectly to any mounting requirements, aided by their flexible device positioning and their variety of sizes and version available. They are compatible across all product generations and allow for easy retrofitting.

Combinations with AUMA gearboxes result in high performance multi-turn, part-turn, lever, and linear actuators.



SA MULTI-TURN ACTUATORS

- > Automation of gate and globe valves
- > Sizes: 07.2 – 16.2 and 25.1 – 48.1
- > Torques: 10 Nm – 32,000 Nm
- > Output speeds: 4 rpm – 180 rpm
- > SAR version for modulating duty
- > SAEx and SAREx versions for potentially explosive atmospheres

SQ PART-TURN ACTUATORS

- Automation of butterfly valves, ball and plug valves
- > Sizes: 05.2 – 14.2
- > Torques: 50 Nm – 2,400 Nm
- > Operating times: 4 s – 100 s
- > Setting angle: 45° – 180°
- > SQR version for modulating duty
- > SQEx and SQREx versions for potentially explosive atmospheres

AC CONTROLS

- > Microprocessor-based controls with comprehensive functions
- > Large, graphic display
- > Modern sensor technology for detailed self-monitoring and diagnostics
- > Plant Asset Management

AM CONTROLS

- > Simple controls providing basic functions
- > Local controls equipped with push buttons



COMBINATIONS WITH GEARBOXES



SA MULTI-TURN ACTUATORS WITH GK MULTI-TURN GEARBOXES

- > Automation of gate valves and double-stem gate valves
- > Torques: up to 16,000 Nm
- > Offset of effective direction by 90°



SA MULTI-TURN ACTUATORS WITH GST MULTI-TURN GEARBOXES

- > Automation of gate valves
- > Torques: up to 16,000 Nm



SA MULTI-TURN ACTUATORS WITH GHT MULTI-TURN GEARBOXES

- > Automation of gate and globe valves
- > Torques: up to 120,000 Nm
- > Output speeds: 2 rpm – 16 rpm



SA MULTI-TURN ACTUATORS WITH GS WORM GEARBOXES

- > Automation of butterfly valves, ball and plug valves
- > Torques: up to 675,000 Nm
- > Operating times for 90°: 9 s – 392 s



SA MULTI-TURN ACTUATORS WITH LE LINEAR THRUST UNITS

- > Automation of globe valves
- > Thrusts: 4 kN – 217 kN
- > Strokes: 50 mm – 500 mm
- > Running speeds: 20 mm/min – 360 mm/min



SA MULTI-TURN ACTUATORS WITH GF LEVER GEARBOXES

- > Automation of butterfly valves with lever arrangements
- > Torques: up to 45,000 Nm
- > Operating times for 90°: 17 s – 392 s



SQ PART-TURN ACTUATORS WITH BASE AND LEVER

- > Automation of butterfly valves with lever arrangements
- > Torques: 100 Nm – 2,400 Nm
- > Operating times for 90°: 4 s – 63 s

These actuators can be readily equipped with integral controls. Thanks to an automatic overriding gear arrangement, manual operation is possible at any time without special activation. With their high output speeds, the fast actuators are particularly appropriate for applications requiring short operating times.

In combination with valve gearboxes, the multi-turn actuators act as versatile part-turn or linear actuators.



ACTUATORS WITH OR WITHOUT INTEGRAL CONTROLS



S-RANGE ACTUATORS

- > Automation of all valves (in combination with gearboxes)
- > Torques: up to 2,000 Nm
- > Output speeds: 5 rpm – 160 rpm
- > Open-close and modulating duty



C-MATIC ACTUATORS

- > Automation of all valves (in combination with gearboxes)
- > Integral controls with local control unit
- > Torques: up to 2,000 Nm
- > Output speeds: 5 rpm – 160 rpm
- > Open-close and modulating duty



I-MATIC ACTUATORS

- > Automation of all valves (in combination with gearboxes)
- > Integral controls with graphic display
- > Self-monitoring and diagnostics
- > Torques: up to 2,000 Nm
- > Output speeds: 5 rpm – 160 rpm
- > Open-close and modulating duty



SEVEN ECOTRON

- > Automation of all valves (in combination with gearboxes)
- > Integral controls with graphic LC display
- > Torques: up to 4,000 Nm
- > Output speeds: up to 160 rpm
- > Open-close and modulating duty



SEVEN PROFITRON

- > Automation of all valves (in combination with gearboxes)
- > Integral controls with graphic display
- > Self-monitoring and diagnostics
- > Torques: up to 4,000 Nm
- > Output speeds: up to 160 rpm
- > Open-close and modulating duty



SEVEN HIMOD

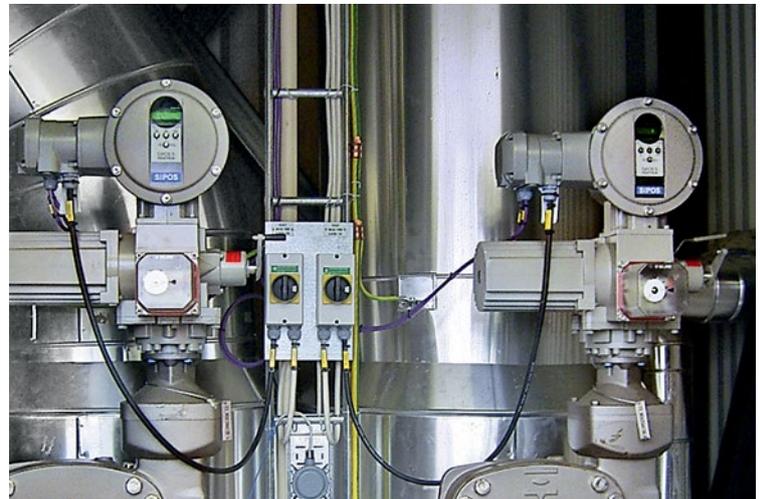
- > Automation of all valves (in combination with gearboxes)
- > Integral controls with graphic display
- > Self-monitoring and diagnostics
- > Torques: up to 2,800 Nm
- > Output speeds: up to 80 rpm
- > Modulating duty with continuous modulating (class D)

VARIABLE SPEED ACTUATORS

SEVEN actuators with variable motor speed allow for a soft approach to valve end position. A specifically designed frequency converter supplies a constant torque across broad voltage and frequency ranges. Current peaks during motor start-up are avoided. Single-phase AC current applications can be implemented without restriction.

SEVEN HiMod is a high accuracy modulating actuator for continuous modulating (class D in compliance with EN 15714-2).

The SEVEN type range is particularly suited for valve automation in combination with gearboxes.





With the small SVC/SVM globe valve and SGC/SGM part-turn actuators, the AUMA group found the perfect concept to cope with space constraints and small valves. Thanks to the compact design and the variable speed motors, these actuators are ideally suited and demanded for the water industry and shipbuilding applications. Due to their housing made of bronze, the M-version is particularly resistant against sea water. Controls are an integral part.

The EQ part-turn actuators and SDL linear actuators are specially conceived for harsh industrial applications. They master the highest positioning accuracy and are particularly suitable for control tasks within process engineering.



SVC GLOBE VALVE ACTUATORS

- > Automation of globe valves
- > Sizes: 05.1 – 07.5
- > Torques: 10 Nm – 100 Nm
- > Output speeds: 0.6 rpm – 22 rpm
- > SVCR versions for modulating duty



SVM GLOBE VALVE ACTUATORS

- > Automation of globe valves
- > Sizes: 05.1 – 07.5
- > Torques: 10 Nm – 100 Nm
- > Output speeds: 0.6 rpm – 22 rpm
- > Housing made of bronze for improved sea water resistance
- > SVMR versions for modulating duty



COMPACT ACTUATORS



SGC PART-TURN ACTUATORS

- > Automation of butterfly valves, ball and plug valves
- > Sizes: 04.1 – 12.1
- > Torques: 25 Nm – 1,000 Nm
- > Operating times for 90°: 4 s – 90 s
- > SGCR versions for modulating duty



SGM PART-TURN ACTUATORS

- > Automation of butterfly valves, ball and plug valves
- > Sizes: 04.1 – 12.1
- > Torques: 25 Nm – 1,000 Nm
- > Operating times for 90°: 4 s – 90 s
- > Housing made of bronze for improved sea water resistance
- > SGMR versions for modulating duty



EQ PART-TURN ACTUATORS

- > Automation of butterfly valves, ball and plug valves
- > Sizes: 15 – 600
- > Torques: 15 Nm – 600 Nm
- > Operating times for 90°: 15 s – 160 s
- > Open-close and modulating duty



SDL LINEAR ACTUATORS

- > Automating control valves
- > Sizes: 20 – 100
- > Thrusts: 2 kN – 15 kN
- > Strokes: 50 mm – 80 mm
- > Running speeds: 1.8 mm/min – 7 mm/min
- > Modulating duty with continuous modulating (class D)

Advice and service throughout the entire product life

We at AUMA strive for long-term customer satisfaction and partnership by ensuring the safe and smooth operation of our actuators. We attribute great importance to customised advice and comprehensive service – throughout our products' lifetime.

SERVICES





COMPREHENSIVE SERVICE

Our AUMA service offers our customers all around the globe comprehensive service performance for actuators, actuator controls, and gearboxes of our brands:

- > AUMA
- > DREHMO
- > GFC
- > Haselhofer
- > SIPOS

With our versatile service portfolio, we are your competent partner from installation and commissioning to training, maintenance, and overhaul or repair right through to global availability and supply of spare parts.

We guarantee availability for spare parts during at least 10 years after discontinuation of a product.

QUALIFIED EXPERTS

With internal and external training schemes, our service experts excel by their expertise for AUMA actuators. They are perfectly equipped with tools, test appliances, and spare parts to provide customised and fast on-site support by reducing downtimes of your systems to the very minimum.

TAILORED MAINTENANCE

Preventive maintenance maximises plant availability. In compliance with the specified application conditions, we develop individual and tailored maintenance plans.

Maintenance of our explosion-proof devices is exclusively performed by our approved expert staff, complying to legal regulations, heeding defined intervals. We offer a comprehensive service for power plant inspections with individually designed and standardised control plans.

RETROFITTING AND CUSTOMISED PRODUCTION

There is no such thing as "impossible" with AUMA. Special and challenging installation conditions require special and customised solutions: Especially for buried service or when modernising existing plants where valve attachments are frequently not complying with standards. We offer extensive accessories and manufacture pedestals, lever arrangements, and other adapters to customer needs.

AUMA are getting ready for the future

Technical advancement, globalisation, augmented customer expectations – AUMA's markets are changing. It is important to understand and respond to the new challenges to play an active role on the global market of tomorrow.

We are conscious of this change. With the new structure we further focus the AUMA brand to the specific needs of both customers and markets.

MULTI-BRAND STRATEGY

The AUMA group is a global player who is actively and innovatively shaping the future of electric actuators – comprising five successful companies: AUMA, SIPOS, DREHMO, GFC, and Haselhofer. With their tailored solutions, the group members promote their individual brands today.

The AUMA group is moving step by step from today's Multi-Brand strategy to a Market Focus Strategy

CURRENTLY: MULTI-BRAND STRATEGY

auma[®]
Solutions for a world in motion

SIPOS
AKTORIK

DREHMO
VALVE ACTUATORS

GFC

haselhofer
actuators

AUMA: ONE COMPANY, ONE CULTURE, ONE BRAND

Clear and close to customers needs – this will be the newly designed future product portfolio. The foundation for our market-orientated key competence is the segmentation into five divisions through which we act as a strong and competent partner for our customers.

The core: the AUMA brand.

SYSTEMATIC CHANGE

Within the framework of a structured change management process, the transition phase lasting several years will be started in 2015. We commence with the global integration of our sales and service structure – "one face to the customer". The current product portfolio is maintained until substitution with the new market-specific products.

FIVE DIVISIONS AS ONE BRAND

The focus: active promotion of the vision of homogeneity in size, diversity, and market orientation through Market Focus Strategy. All companies within the group are united under the AUMA brand and operate through five divisions. Water, Power, Oil + Gas, Industry + Marine, and Drives.

THE ADVANTAGES

- > Increased efficiency by combining our strengths
- > Market-specific innovations through integrated research and development
- > Quality enhancement by homogeneous and networked production
- > Complete service range – worldwide
- > Global networking of all sales activities

AUMA. Your reliable partner.

TOMORROW: SINGLE-BRAND STRATEGY WITH MARKET FOCUS

auma[®]
Solutions for a world in motion

AUMA
Water

AUMA
Power

AUMA
Oil + Gas

AUMA
Industry + Marine

AUMA
Drives

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