AERZEN

"UNDERSTANDING YOUR PROCESSES:
THE STARTING POINT FOR SOLUTIONS FROM AERZEN."

WORKING TOGETHER, PUSHING FORWARD.

There are amazing things that can be done with compressed gases. Moving coffee beans from silo to roasting facility, for example – quickly and efficiently, while gently handling the delicate raw materials. Aerating sewage tanks so precisely that bacteria can multiply by just the right amount and waste water can be optimally cleaned. To produce compressed gases on an industrial scale, reliably and with minimal energy costs – this is an art that AERZEN has mastered. We introduced Europe's first rotary lobe blower back in 1868.

Since then we have become a global player. There are reasons we have also remained a family firm. Reliability, know-how, efficient service – these are virtues that helped ensure our success on the world market over the years. Our goal is to redefine quality. We're glad you've taken an interest in our company. Read on to learn more about AERZEN and its history – Expect Performance!

Klaus-Hasso Heller, CEO, AERZEN

FROM SUPPLIER TO BRAND NAME. COMPRESSION AS A SUCCESS FACTOR.

The history of an idea
"Compression" is a good word to describe everything that AERZEN does. It describes our core business: compressing gases. And it characterises our path as a company: concentrating on our customers' applications and the demands that come with them so that we can help increase the performance of their processes. 150 years of company history have gone into our new guiding principle: "Expect Performance". In other words, you can expect only the best for your processes – and "Made in Germany" as well!

Innovation, customer contact, focus on service: typical virtues of a mid-sized company
AERZEN began life in 1864 as Aerzener Maschinenfabrik. In 1868 we built Europe's first rotary lobe blower. The first turbo compressors followed in 1911, and the first screw compressor in 1943. We have always succeeded in reinterpreting our machines' basic technology to make them even more efficient and capable of handling the hundreds of applications that our customers bring to us. With our structure a mid-sized company – and we place great value on this, even in the era of globalisation – we are motivated to become increasingly innovative, to concentrate fully on our customers' processes. Focus as a form of compression.

Opened in 2013/14: the new administration building in our home town of Aerzen

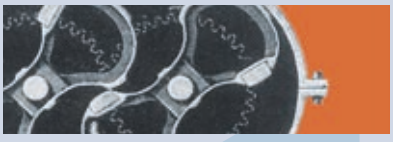
A wide variety of models, efficiently produced: the specialty of the assembly plant in Aerzen

"THE FACT THAT WE HAVE REMAINED A FAMILY FIRM HAS A LOT TO DO WITH GLOBALISATION."

AERZEN THROUGH THE YEARS. IMPULSES, MILESTONES, TURNING POINTS.

1864

The Aerzener Maschinenfabrik is founded by banker and businessman Adolph Meyer



1868

Manufacture of the first European positive displacement blower

1887

1911

Development and production of turbo blowers

1930

Production start for rotary piston gas metres

1943

Production start for screw compressors

1967

Development and introduction of special screw compressors for air compression

1984

The world's largest screw compressor built for and delivered to the chemical industry

1982

1987

Development and patenting of triple-lobe blowers

1996

Compressors from the new Delta Screw series make their debut on the market

2008

The first Delta Hybrid rotary lobe compressor makes its debut

Launch of the new AERZEN Turbo Generation 5 blowers

"WHO CAN ARGUE AGAINST AN ECONOMICAL STANDARD SOLUTION FROM AERZEN IF IT'S THE BEST WAY TO GET THE JOB DONE?"

FAMOUS FOR THEIR PERFORMANCE: BLOWERS, COMPRESSORS, AND TURBOS.

Moving volumes

AERZEN machines transport, compress, and measure gases. There is practically no industry that can afford to be without machines like these. Our portfolio of rotary lobe blowers, rotary lobe compressors, rotary piston gas metres, screw compressors, and turbos covers almost all of today's industrial applications – for intake volume flows from 1 to 120,000 m^3/h. Behind this are 150 years of process work and industry experience. AERZEN machines, running continuously under difficult conditions, do their job precisely, efficiently, and reliably – year after year, decade for decade.

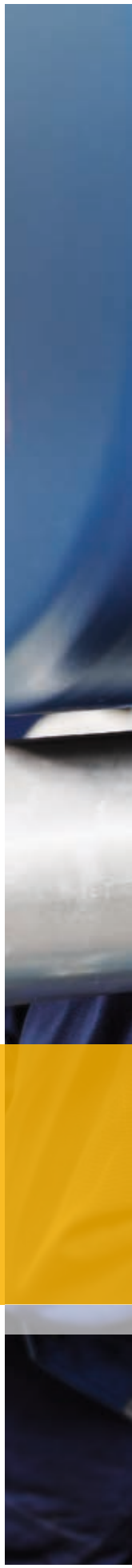
Pure precision: rotary lobes, pre-assembly

Impellers for turbo blowers: designed for years of problem-free operation

A NEW DIMENSION OF EFFICIENCY: DELTA HYBRID ROTARY LOBE COMPRESSORS.

Across the board and ahead of the curve
Global competition means that a company has to mobilise all its potential. Industrial processes have to run as efficiently as possible. That's why AERZEN has developed a new generation of machines: the world's first rotary lobe compressors. The Delta Hybrid series combines the best of blower and compressor technology, opening up completely new possibilities in the production of positive and negative pressures. With seven patents or patent applications, Delta Hybrid is the tip of the spear in the competition to innovate compressor technology. It is one of the world's most efficient machines for a broad range of intake volume flows of between 110 and 5,800 m^3/h.

The Best of Two Worlds
The oil-free Delta Hybrid compressors can be used for a broad spectrum of important industrial applications – in chemistry and process technology, environmental technology, and the bulk materials industry. And these machines are extremely energy efficient – which translates to low life-cycle costs.



Modular design, touch-screen operation: the innovative AERtronic control panel

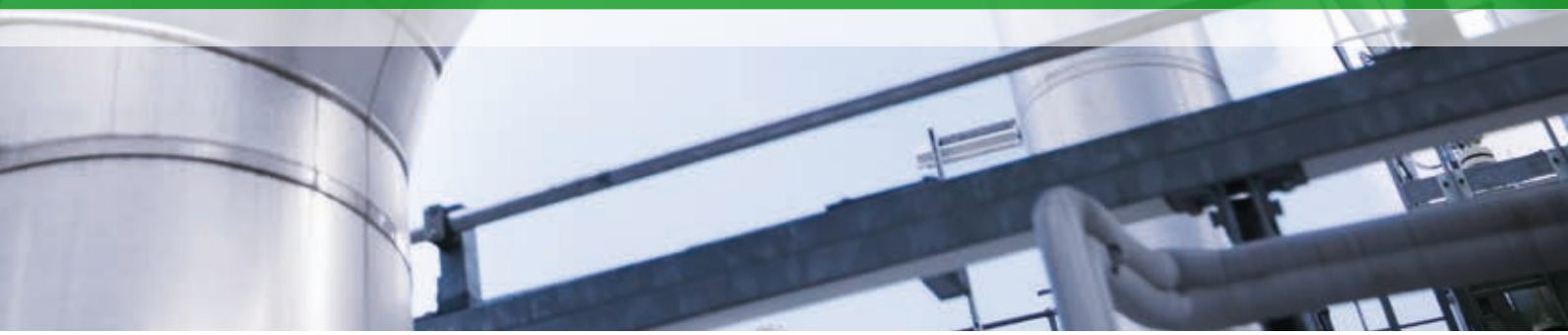
Superior performance at higher pressures: screw compressor rotors

"A COMBINATION OF BLOWER AND COMPRESSOR: THE DELTA HYBRID BRINGS YOU THE BEST OF TWO WORLDS."

Industries
- Chemical and petrochemical
- Environmental protection
- Foodstuffs
- Mining
- Steel
- Semiconductors
- Oil and gas technology
- Shipbuilding

Processes
- Suction, desulphurisation, dust removal
- Ventilation/aeration
- Air pressurisation
- Bulk materials transport
- Refrigeration and AV
- High vacuum
- Biogas treatment
- Gas transport
- Drinking water treatment

and many others



TECHNOLOGY FROM AERZEN. THE DRIVING FORCE IN KEY POSITIONS.

Integrated solutions
Machines and machine combinations from AERZEN are used in almost all branches of industry. Rotary lobe blowers, screw compressors, rotary lobe gas metres, turbo blowers, and the new rotary lobe compressors are key components in countless processes around the world. AERZEN engineers can develop custom designs or special machine configurations where standard solutions fall short. The goal is always to design the machine that makes the customer's process performance as efficient as possible. Integrated solutions from AERZEN, from design to focused maintenance agreement – that's the future.

Process efficiency as the goal
This is what informs our vision: we want to be the go-to supplier for our customers' key applications. With superior quality machines. With the greatest wealth of experience in the industry. With the most customer friendly service in the world. And especially with the potential for being the lead innovator in tomorrow's number one success factor – energy efficiency.

Process air "made by AERZEN": indispensable in the chemical and petrochemical industries

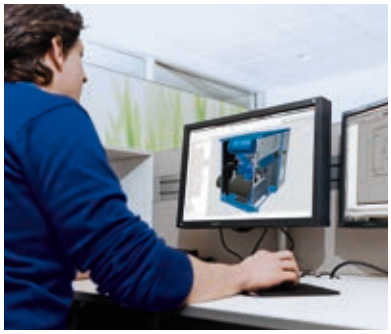
Efficient aeration in sewage plants: made possible by AERZEN technology

WHERE INSPIRATION TAKES ON CONCRETE SHAPE: R&D AT AERZEN.

A network for engineers
Mechanical engineers who are as application oriented as we are have to include customer input when developing new products and services. Co-development has a long history at AERZEN. In the design centre at our headquarters, process experts work closely with engineers and outside research institutes and technical universities around the world. The result: an internationally recognised network of experts for the industrial compression of air and gases. AERZEN expertise is in demand far beyond just applications.

Feedback welcome
Our network also helps keep us in touch with the market and with our customers, and to open us up to new ideas from industry. There is no lack of feedback. Inspirations and suggestions from our customers find their way surprisingly fast into new designs for machines and facilities.

Inventive spirit and experience go hand in hand at AERZEN



Assembly supported by the latest in computer technology

"MANY INSIGHTS COME FROM OUR CUSTOMERS – THE TRICK IS TO RECOGNIZE THE SPARKS OF GENIUS AMONG THEM."

"SERVICE IS A GIVEN – EVEN WHEN IT'S NOT NEEDED."

IT'S TOO BAD WE DON'T SEE EACH OTHER MORE OFTEN!
SERVICE AT AERZEN.

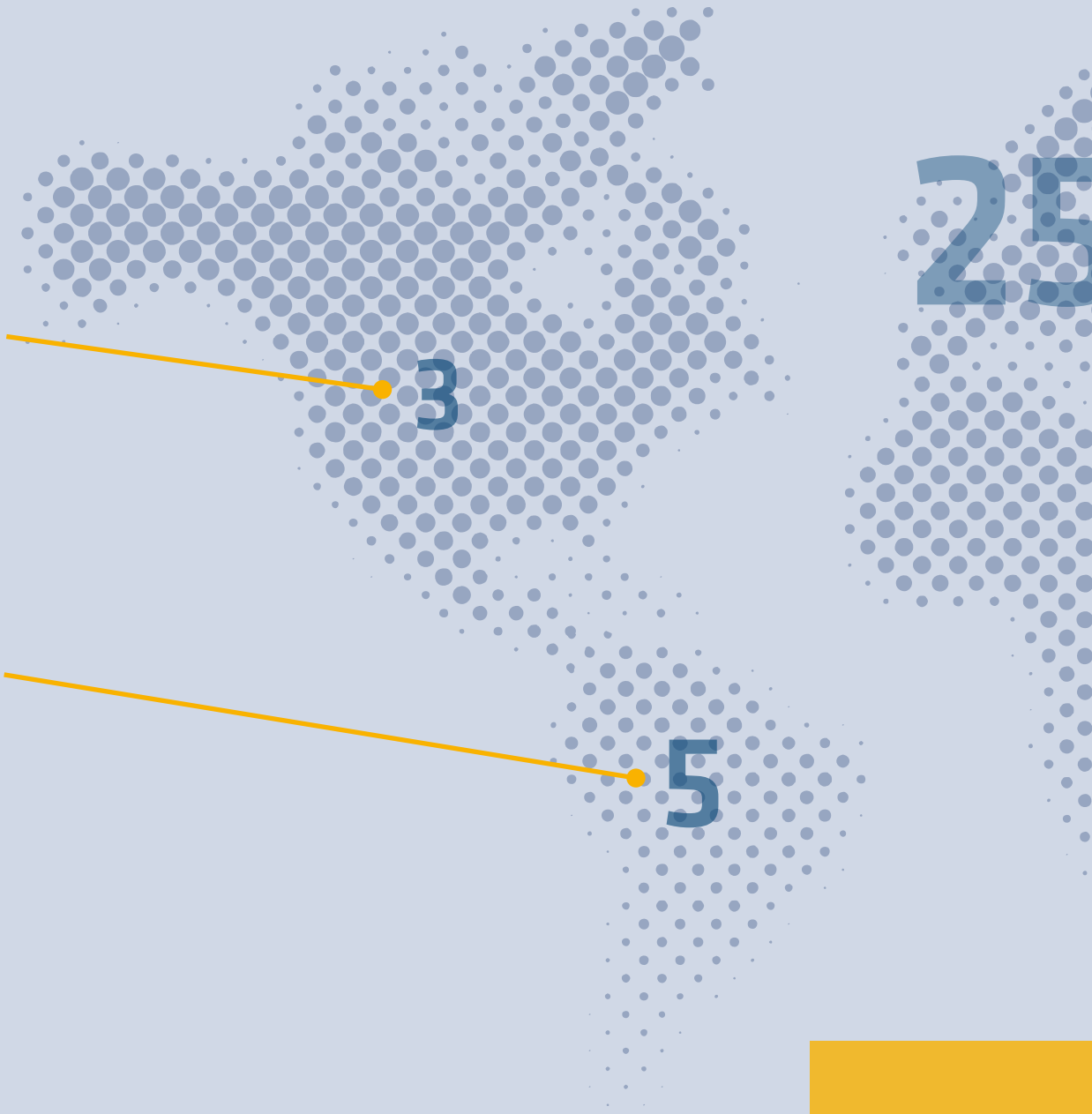
Worldwide presence
AERZEN designs its rotary lobe blowers, screw compressors, turbo blowers, and rotary lobe compressors to operate efficiently, reliably, and maintenance free for a long time. There will be times, however, when services and solutions may require us to be on site. That's why one of our most important company hallmarks is being on hand when and where our customers need us – anywhere on earth. We have permanent representatives and customer service centres in over 100 countries to maintain that contact and to assist with projects – all in compliance with national norms, regulations, and legislative requirements with including the assistance of a strong central support group and hotline.

Availability is everything
The best kind of service is always the service you don't need. Close behind that is the delta real-time monitoring that AERZEN can provide with its rotary lobe machines – a clear step up from preventative to condition-related maintenance. In addition, AERZEN offers fast service from widely distributed, decentralised service centres. All across Germany, all across Europe, all around the world. Practical, economical package deals make it easy to supply consumables and replacement parts. In addition to these maintenance and repair services, AERZEN also offers an attractive set of "comfort" services like rental and exchange machines, as well as complete "worry-free" service contracts.

Quality, know how, rapid response – we are there for you!

Transparency in the service of availability: self-explaining AEZERN machines

A GOOD FEELING.
AERZEN AROUND THE WORLD.



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USA

SOUTH AMERICA
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Venezuela

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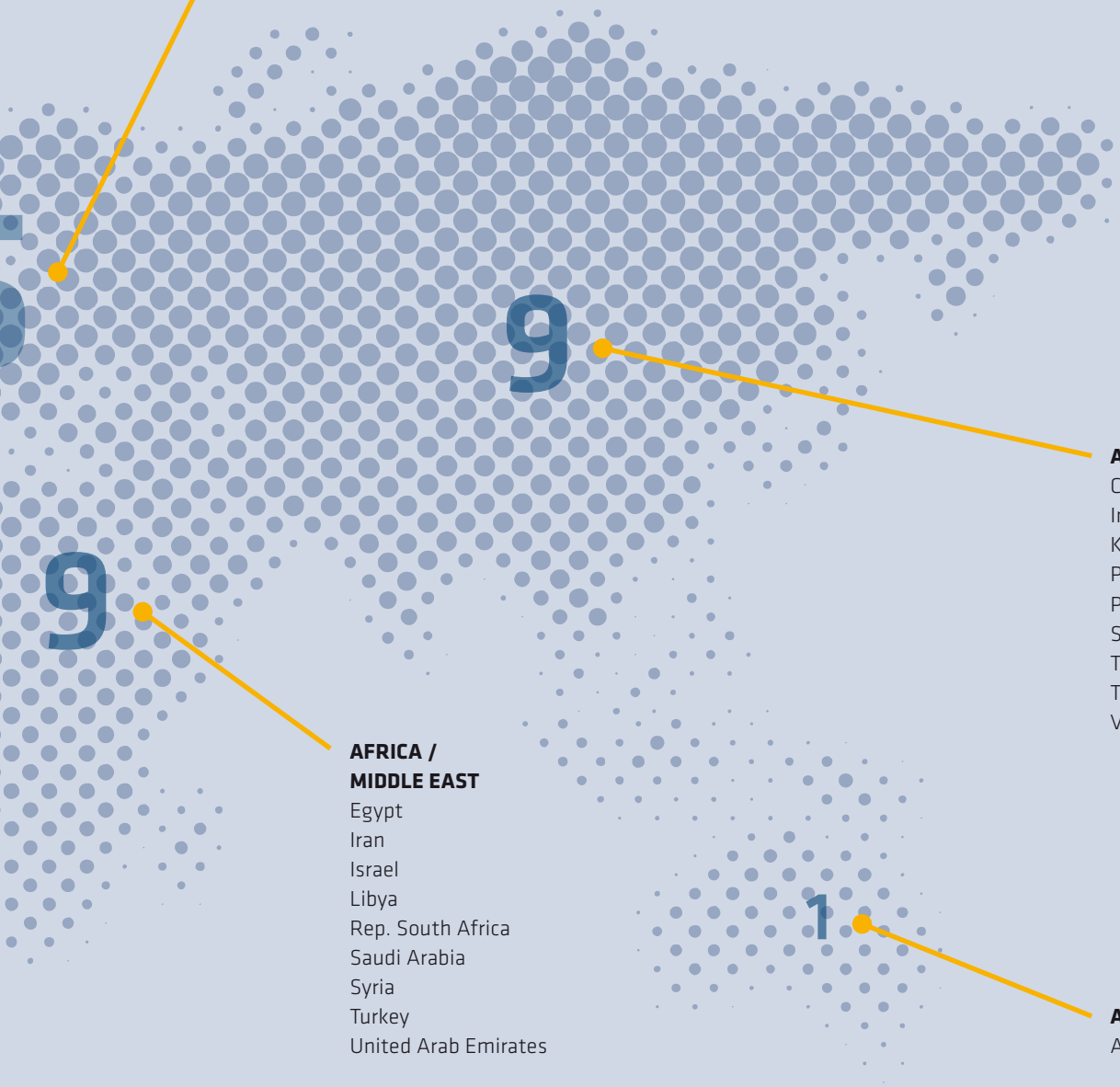

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Saudi Arabia
Syria
Turkey
United Arab Emirates

AUSTRALIA
Australia

Worldwide presence
Buying a machine from AERZEN and having it installed is all well and good, but we offer much more. We will care for your investment throughout the machine's life cycle – for increased performance and optimised cost-benefit ratio. That requires us to be on hand when needed. To guarantee qualified advice and fast service, we have created a tightly meshed network of affiliates and representatives all around the globe. Now that's a good feeling!

"WE DON'T GIVE OUR CO-WORKERS GOOD TRAINING JUST TO HAVE THEM GO OVER TO THE COMPETITION ..."

PEOPLE AT AERZEN.
QUALITY IN GOOD HANDS.

Excellence plus communication
About 2,000 men and women work for AERZEN, at headquarters and in over 100 countries worldwide. Engineers, marketers, installation experts, salespeople. We need a special kind of person who fits in well with the culture here. AERZEN is a mid-sized, owner-run family company. People get to know each other at AERZEN and value personal relationships. This not only attracts highly qualified men and women but also helps bind them more closely to the company.

Training and knowledge transfer
Training and excellence are interdependent. The men and women of AERZEN don't see their knowledge as private property, but rather as something to be shared. There is intensive communication that goes on at AERZEN, sometimes across oceans. The 45 trainees who are starting their careers with us also profit from this communication. Many of them will go on to a "global career" in the truest sense of the word. Foreign language competence and work experience in other countries are both part of professional training at our global enterprise.

Challenging work, good working environment – not a contradiction at AERZEN

"AERZEN is the perfect employer!"

BUILT-IN FUTURE: SUSTAINABILITY AT AERZEN.

Performance with a heart of green
"Expect performance" – our philosophy also has an ecological component. Our machines and installations help improve the environmental balance of the processes they support by optimising process performance and reducing the energy needed for it. Low maintenance requirements and sustainability also play a role in improving the ecological return on your investment. And machines that last longer don't have to be repaired or replaced. It's so easy, so AERZEN!

Social company
We also strive to improve the environmental impact of our administrative offices, production facilities, and branch offices. We will soon be certified according to the international environmental management norm 14001. The standards laid out in our "Vision 2020" require that we act ethically. Environmental protection and job security are high up in our value scale.

Job security = sustainability
We provide our employees with ergonomic workplaces wherever possible. A security officer monitors the safety of working conditions on the floor. Regular training sessions help keep our employees up to date in the in handling of machines and dangerous substances.

"WE WANT LIFE-CYCLE RESULTS THAT MAKE BOTH ECOLOGICAL AND ECONOMIC SENSE!"

Aerzener Maschinenfabrik GmbH
Reherweg 28 – 31855 Aerzen / Germany
Telephone: +49 5154 81-0 – Fax: +49 5154 81-9191
info@aerzener.de – www.aerzen.com

AERZEN
EXPECT PERFORMANCE

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