INNOVATIVE, VERSATILE, TAILOR-MADE.
ACCESSORIES FROM AERZEN.
VERSATILITY.
THE BEST FOR EVERY APPLICATION.

A compressor is a compressor. And yet each one is different. Because each requirement is individual. Every site, every company, every process has its own characteristics. We know this, and have been asking ourselves the question of application for 150 years. Again and again. What makes our technologies the best solutions for your application? You can find the answer here. Page by page.

Unique. Each solution from AERZEN.
Only solutions that are perfectly matched to their respective applications are truly efficient, powerful and safe. In every conceivable environmental condition. Optimal equipment and accessory options are therefore now more important than ever. Because we know this, we have developed a close skills network with leading expert manufacturers. This provides a guarantee that every accessory is tailor-made and tailored to AERZEN products. And is exactly what makes every AERZEN machine so unique. Regardless of whether you choose a Delta Blower, Delta Hybrid or Delta Screw.

Profit from the best. Our partners.
AERZEN offers perhaps the most comprehensive range of blowers and compressors in the world. With an almost limitless range of options and accessories. To develop these components, we have chosen partners who share our demand for quality. Internationally renowned brand-name manufacturers and experienced specialists in their field. This is how we ensure that even the smallest accessory meets the quality standards promised by the AERZEN name.

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AERZEN ACCESSORIES AND SPARE PARTS CENTRE.

All over the world, the best minds are working on the progress of application-specific compressed air technology. In the development departments of AERZEN. In the laboratories of the best component manufacturers worldwide. We combine the results in Aerzen. For the most demanding industries and applications around the world.

Availability ensures availability. Worldwide.
AERZEN offers probably the largest variety of tailor-made accessories and spare part components. And probably the fastest access. To achieve this, we have designed our own development programmes. The right components can be selected in just a few clicks. Including process data and customer-specific overall concepts. How to get your compressed air systems to Singapore, Siberia, South America or anywhere on the planet? Just a question of the fastest shipping.

Made in Germany. Made by AERZEN.
AERZEN’s entire application technology expertise is focused in Aerzen. Excellently trained specialists with international experience. They will advise you regarding all questions of compression and conveying. Helping you to choose the right components. And to configure your high-performance assemblies specific to their application. This is how we ensure that every machine from our company deserves the Made by AERZEN quality seal.

Any questions? Give us a call:
+49 5154 81 0

Application expertise. 150 years of AERZEN.
We have been developing leading compressor technologies for 150 years. For almost every industry. What makes the compressors and blowers from Aerzen so successful worldwide? Certainly the quality promise of the AERZEN premium brand. And certainly our special ambition to understand your processes. Better than anyone. This has resulted in a know-how and solution pool that is probably unique worldwide. It is reflected in tailor-made compressed air systems that are unique. In terms of performance. Efficiency. Durability. Service.

STATE-OF-THE-ART LOGISTICS TECHNOLOGY: IT’S HOW WE ENSURE AVAILABILITY. WORLDWIDE.
MORE TRANSPARENCY.
MORE SAFETY.
MORE POSSIBILITIES.

AERtronic is the intelligent assembly control system from AERZEN. Designed to give you more. More transparency about your plant’s status. More safety, to drive to the optimum operating point at all times. More possibilities to perform targeted analyses. Or to integrate additional control components. Power cabinets, for example.

AERtronic

AERtronic. This is how compressed air processes are controlled today.

AERtronic sets standards. Because when it comes to comfort and functionality, the intelligent and uniform assembly control from AERZEN cannot be surpassed. Developed for the Delta Blower, Delta Hybrid and Delta Screw series, AERtronic takes over the efficient control of your machines. Components such as power cabinets from other manufacturers can be easily integrated. AERtronic offers you a broad range of functions with its well thought-out range of possibilities. For the control, safety and maintenance of your compressed air system.

AERtronic basic equipment
- Intuitive navigation via touchscreen and 4.3” colour graphic TFT display
- Monitoring of process values
- Output or logging of events
- Continuous recording of operating and service hours
- Protection class IP65 for display and control cabinet
- Extensive language selection

All common interfaces
- Communication via MODBUS RTU (standard)
- MODBUS Gateway between RTU and MODBUS TCP (Ethernet)
- PROFINET

Expansion options
- UL certified
- Monitoring of electrical auxiliary drives
- Regulation according to system pressure for more energy-efficient operation
- Fault notification via text message
- Control of acoustic hood heating and electric fan
- Visualised vibrational monitoring with limit value observation
- Modifiable for special voltages
- WebView - module for web-based remote monitoring

The intelligent control system from AERZEN - basis for all standard assemblies

Transparency. For sustainably longer operating times. AERtronic does more. The system displays operating data, manages the operating hours counter, reports operating events at an early stage and archives the information. This allows you to see at any time how an assembly is integrated into a process. This means that any corrective action can be initiated in a highly targeted manner. And this is an advantage also when it comes to maintenance. For the efficient planning of service assignments.
REGULATED.
THE MASTER CONTROL SYSTEM FROM AERZEN.

AERZEN’s master control systems are truly multi-talented. Depending on the version, the respective modules can optimise the use or energy efficiency of the prevailing system configuration. With the help of the AERZEN algorithm, it is possible to achieve the maximum theoretical efficiency at almost 100% depending on the load profile or air demand.

The AERtronic Master makes it possible to improve overall plant efficiency and to use individual machines in a more homogeneous way. In addition, the AERtronic Master allows you to graphically display the machines’ operating states and to transmit the data to the customer’s control room in compressed form. The connection is made via the RS485 Modbus: Alternatively, this can also be done via an expansion module using Profibus.

- Innovative control system for speed-regulated and unregulated compressors and blowers
- Fast and uncomplicated commissioning
- Consumption-dependent activation/deactivation of compressors/energy savings of up to 30%
- Additional cost savings thanks to optimised compressor running times and optimum adjustment of maintenance intervals
- 4.3” colour display with touch function
- The display provides the most important information about the entire compressed air station at a glance.
- Operating states of the connected compressors
- Graphical representation: Curve over time for network pressure
- Automatic control system for up to 12 machines

AERtronic AERtronic Master AERsmart

Local control system □ □ □
Master control system □ □ □
Energy efficiency via map analysis □ □ □
Regulation for maximising the system’s overall energy efficiency □ □ □
Control for optimum coverage of the required system pressure □ □ □
Available for all Delta series from AERZEN □ □ □
Integration of third-party assemblies □ □ □
Extension with ProField interface □ □ □
Extension with WebView □ □ □

Standard □ On request □

AERsmart – intelligent, efficient, trendsetting

The load operation in biological wastewater treatment plants is characterised by strong fluctuations. The innovative AERsmart machine control system is the intelligent module that distributes the required oxygen demand across the machinery in such a way that low, medium and heavy loads are processed as efficiently as the existing configuration permits. To this end, the performance ranges and efficiencies are factored into the algorithm used by the control system. Thus, the installed machinery is operated as close to the highest degree of efficiency as possible.

- Precise and efficient operation of load profiles
- Universal interface for networking with the machinery and the process control system
- Highest efficiencies close to the optimum, efficiency increases of up to 15%
- Service and maintenance intervals of the integrated machines, predictive maintenance
- Pioneering building block for Water 4.0
- Extensive energy analytics and checks according to DWA worksheet A-216
- Display and recording of the required air quantities, system pressures, temperatures, energy consumption and machine data
- Other manufacturers can also be integrated

AERsmart – for a new level of efficiency

Intelligent switching on and off.
Operating behaviour and different map characteristics of flow and displacement machines influence the control range and efficiency curve as a function of the respective machine type’s airflow and compression pressure. AERsmart’s software works with the advantages of each technology and avoids their weaknesses in the respective load range. Result: intelligent switching on and off, smart load distribution to the machines in combination operation.
Transfer, analyse and monitor data worldwide. To ensure full and future-proof transparency for the management of your machinery, the WebView concept provides a central control tool that offers a special strategic advantage. The need for process reliability, predictive maintenance and anomaly detection are decisive factors for integrating WebView into your process air supply.

**WebView**

Spare parts from AERZEN.
A single module that has it all: WebView is a decisive plus for AERtronic. After all, it considerably expands the functional range of AERtronic. Simply plugged into the control cabinet, the module from AERZEN visualises, analyses and stores up-to-date process data. In addition, it automatically integrates fault and status messages. Once connected to the system, all process data can be completely displayed via PC, smartphone or tablet. And this without additional software. Locally or worldwide.

One module. Decisive advantages.
The integration of WebView has many advantages. First and foremost a high degree of transparency when it comes to current and historical plant status. Operating data, operating hours, error messages etc. - all this can be viewed and configured online. In any place. At any time. The result: significantly increased system availability. Because condition monitoring, the possibility to react quickly to deviations, the integration of vibration monitoring for the early detection of signs of wear, needs-based maintenance planning, intelligent documentation and analysis of the process data are all practical advantages. Giving you that often decisive plus in process reliability and availability: AERtronic and WebView are thus elementary building blocks for Industry 4.0.

**Condition monitoring**

Reliable protection against unplanned downtimes and a central tool for plant diagnosis in every predictive maintenance strategy: vibration measurement. AERZEN offers several options for high-performance machines. They differ in the increasing level of detail in the analysis values. Using defined measuring points and an existing measuring system, any deviations from the standard can be independently identified. Alternatively, vibration sensors can be connected to an existing AERtronic control system and the measured values can be displayed. Permanent monitoring of the assembly can also be carried out completely and automatically using a connected vibration analysis system. The customer is thus able to carry out an analysis at rotor bearing level in addition to vibration measurement. As the final expansion stage, “Delta Real Time Monitoring” monitors the vibrations, pressure and temperature of the machine via sensors. All measured values from up to eight diagnostic units are combined here in a separate control cabinet in real time and immediately transmitted via Ethernet or LTE modem to a special server at AERZEN. Here, the values are monitored at all times, trend deviations are detected and countermeasures are initiated.
AERZEN offers filters in a range of options – tailored to a wide variety of room air conditions. For example, the F7 filter solution for increased requirements. The filter cartridge is 1:1 identical in construction to the standard filter G4. It can therefore also be replaced without any problems in existing Generation 5 machines. We have designed suitable zone separation filters for various ATEX requirements and zones so that customer systems can also be operated safely in potentially explosive areas. Our zone separation filter complies with dust class M5.

- High-quality, stable standard filters with G4 separation efficiency
- Filter cartridges also available in F5 or F7
- Quick interchangeability with a few simple steps thanks to simple plug & play procedure
- Optional zone separation filter for use with suction conveying (vacuum operation) with EX-atmospheres

Coarse pored or finer - AERZEN offers filters for almost all ambient conditions

In addition to the filter elements for protecting a machine, a customer’s process can also be protected by using a downstream, discharge-side filter. With a separation class from F7 to H13, the filters are supplied as a complete, connectable unit consisting of a stainless steel container, filter element, seals and support elements. The high filter classes mean that these components are often used in sensitive areas, for example in the food or chemical industry. They are flow-optimised and generally have pressure losses of less than 25 mbar. The filter cartridge can be changed in just a few simple steps, thus avoiding long downtimes. These units can also be equipped with sight glass or differential pressure measurements for filter control. Filters, sight glass and seals are FDA compliant and therefore predestined for use in the food industry.

Maximum operating data:
- 6 bar (abs.)
- 20,000 m³/h
- 150 °C
- DN 50 to DN 400

The air-to-air aftercooler in particular.
- Already available in standard: aluminium cooler, motor, motor mount, fan box, protective screen, fan
- Numerous options: Special paintwork, special coating, special motors for the fan, cyclone separator and automatic condensate drain
- AERZEN Highlight: Fan speed regulation according to specified final air temperature (optional)
- From 250 °C with integrated stainless steel precooler
- Just one electrical connection

The air-to-air aftercooler from AERZEN

The air-to-water aftercooler is ideal for heat recovery. Designed to provide maximum heat transfer to cooling water when needed

The air-to-water aftercooler

Special features of the water-to-air aftercooler.
- Precisely regulated discharge temperature
- Functional principle: Compressed medium flows through the cooler pipes, cooling water rinses around the pipes in counterflow
- Can also be used for heat recovery
- Designed for minimum pressure loss
- Variants: fixed or removable pipe bundles, smooth or ribbed pipes, made of stainless steel for high gas temperatures, made of coppernickel for seawater. By the way: ribbed pipes increase pressure loss when compared to smooth pipes, but they provide better heat transfer
- Accessories and Options: Cyclone separators, automatic condensate drain, flange and counter flange kits, special paintwork, corrosion protection

Aftercooler - water-to-air

Aftercooler - air-to-air

Aftercooler - air-to-air

AERZEN aftercoolers set standards with minimal pressure losses. And extremely high cooler inlet temperatures: all aftercoolers are suitable for cooling air and nitrogen up to 280 °C! Always perfectly designed to lower temperatures to the desired level. Developed in cooperation with renowned international manufacturers, AERZEN offers a complete range of air-to-air and water-to-air aftercoolers. Independent series, specially adapted for the machine types Delta Screw, Delta Hybrid, Delta Blower and Aerzen Turbo. With extensive accessories if required, including downstream cyclone separator and automatic condensate drain.
HEAT RECOVERY.
REDUCES COSTS IN COMpressed AIR GENERATION.

Waste heat and heat losses are no bad thing if they are used. AERZEN offers a particularly efficient way to recover this heat energy with the technology of its water-to-air aftercoolers.

Compressed air with reduced energy consumption.
Approximately 85% of the electrical power that blowers and compressors consume is converted into thermal energy; this is contained in the discharge-side gas flow. The water-to-air aftercoolers are optimally designed to ensure that up to 100% of this lost heat is recovered. The strongly heated air is cooled with circulating water. It heats the water from this secondary circuit, which is then available for a subsequent process. This hot water can be used for sludge drying, hot water production or for supporting heating systems, depending on the installation and industry. Several positive effects can be achieved with this system. Above all, it saves on costs for heat generation. This in turn causes a reduction in the use of gas or oil, which has a direct positive effect on the pollutant emission balance through CO₂ reduction! Thanks to the heat recovery solution from AERZEN, you can save big on energy costs for primary heat generation with a comparatively low investment; it pays for itself in the shortest time.

Energy balance of a typical dry-running single-stage air screw type compressor.

Cyclone separators
99% condensate separation efficiency – with these values, cyclone separators from AERZEN provide perfect protection for compressed air systems. And for every downstream process. Our cyclone separators are precisely coordinated to the AERZEN air-to-air or water-to-air aftercooler range. Highly efficient, with only minimal pressure losses in the lower mbar range.

- High separation efficiency
- Reduces system maintenance
- Designed with no moving parts, thus removing the need for spare parts
- Optionally with corrosion protection, e.g. for onshore/offshore applications
- ASME-compliant design possible

Automatic condensate drain
Ideal for draining condensate from the cyclone separator housing. And whenever, depending on climate, temperature, time of year and time of day, condensate can be produced from the process. In other words: excellent as always. The AERZEN automatic condensate drain operates according to the level control principle. Self-regulating. And extremely efficient. The intelligent design prevents compressed air losses and thus minimises energy consumption.

- Extremely low maintenance
- Reliable drainage of the accruing condensate volume
- Dirt resistant and durable
- No pressure loss during drainage of condensate
- Optional version with corrosion protection available

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Energy balance of a typical dry-running single-stage air screw type compressor.
Pipe silencers are used when there are particularly high requirements for a customer’s plants with regard to noise emissions. The additional silencers, which are installed on the pressure side between the assembly and the customer’s pipeline, can be used in new construction projects or retrofitted. These silencers have several advantages:

**Reactive silencer**
Silencers designed as slotted tube reactive silencers with purely metallic fittings, and thus no absorption material. The effect is generated via the interference principle, which achieves an attenuation of -20 to -25 dB(A). Silencers without absorption material have several advantages:

- The process gas has the required quality and purity
- The system’s energy efficiency remains unchanged at a high level
- The noise development on the discharge side remains constantly low

**Cartridge silencer**
Pipe silencer designed as cartridge silencer. This type of silencer achieves its effect with the conventional use of absorption material. Since these silencers are only installed in the piping, the thermal effect and influence of the conveying impulse (blower/compressor stage) on the removal of the absorption material is only weakened, albeit substantially. Damping power of -8 to -10 dB(A) is achieved.

**Special motors**
All AERZEN assemblies are delivered with 2-pole or 4-pole asynchronous motors as standard. They provide a strong drive in the compression process. Depending on the ambient conditions, customised motors are recommended as an alternative. AERZEN offers a variety of modifications for this purpose.

- Broad supplier range comprised of renowned motor manufacturers
- Deviating voltage up to 10,000 V
- Reinforced bearings
- Integrated and automated relubrication devices
- Motor standstill heaters
- Special protection classes
- Special coating
- ATEX design
- Bearing monitoring for vibration and temperature
- Winding temperature
- Motor according to NEMA standard
- Diesel motors

After the second stage of regulation of electric drives (IEC60034-30-1 standard), the IE3 energy efficiency class applies to motors in the power range 0.75 - 375 kW. AERZEN always uses IE3 motors as standard. Of course, the Super Premium Efficiency motors of the IE4 class are also optionally available.

In addition to the above-mentioned electric drives, there is always the possibility to use a combustion engine. The corresponding assembly including sound hood and control unit is then specially prepared for use.
They ensure the perfect start. And for the high efficiency of the AERZEN assemblies: Tailor-made power supply panels for the most diverse requirements. The assemblies can be powered via various power units. The selection of the appropriate power supply panel is just as individual as the actual conveying process.

**Power supply panels**

The power supply panels are just as individual as the conveying process itself. Depending on whether the load is to be relieved or loaded or whether the conveying volume is to be variable, the different drive variants are suitable, also in terms of price benefits. AERZEN offers complex solutions, from frequency inverters and soft starters to star/delta- or DOL relays (Direct On-Line). Integrated or stand-alone installation. In power ranges from 3 kW to 710 kW.

Especially with large machines, this is an important factor to keep the load on machines and plants low. In addition, the wrong start-up technology can cause high grid loads, which can lead to deviations in service provision from your energy supplier. Therefore, the correct selection of the power supply panel is an important factor in the area of peak load management. Exceeding the maximum power consumption can cause your energy supplier to increase supply costs and thus incur unplanned additional expenses.

**Use of frequency converters**

In addition to the run-up characteristics, operation with a power supply panel is just as important. After run-up, most of the start-up technologies such as DOL, Start Delta or soft starters have served their purpose. They are through-connected to generate as little loss as possible during operation. Only the frequency inverter remains active during operation. Thanks to its frequency and voltage regulating properties, the frequency inverter can be used for torque or power adjustment as required. For example, it is possible to control blowers and compressors with pinpoint accuracy and in line with a narrow pressure band. Without the use of frequency converters, it is necessary here either to switch the machine on or off or to blow off air that is not required. A real energy dissipation circuit. Intelligent control using frequency inverters allows significant savings to be made over the operating range and thus enables a quick return on investment compared to cheaper start-up methods.

Intelligent components that save maintenance costs. Relubrication devices from AERZEN grease the bearings of electric motors. Automatic. As required. And precisely measured according to manufacturer specifications. At intervals of up to 36 months This saves a lot of on-site service work. And ensures the long-term economical operation of your compressed air packages.

**System Vario:**

Self-sufficient system thanks to integrated power supply.

**System Control:**

Relubrication over service life without danger of over- or undergreasing. Power supply via preconfigured and parameterised AERtronic. Output of fault message at higher viscosity or empty cartridge.

- Easy to retrofit in any existing system
- Low annual costs, optimised maintenance result
- The dispensers provide optimised grease quantity delivery with flexible programming up to 36 months
- Cartridge or battery change visible on the dispenser

### Performance-driven.

**The perfect start for your process air system.**

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<table>
<thead>
<tr>
<th>Variable speed</th>
<th>DOL</th>
<th>Star Delta</th>
<th>Soft starter</th>
<th>Frequency inverter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal relief for winding</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>High inrush current</td>
<td>IA &gt;= 7x IN</td>
<td>IA &gt;= 3x IN</td>
<td>Yes - voltage control</td>
<td>No - power adjustment</td>
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<td>Starting with full torque</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Wear-reduced start-up thanks to torque control</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Power reduction in the partial load range</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Operation of motor above mains frequency (50 or 60 Hz)</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Investment cost</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Medium to High</td>
</tr>
</tbody>
</table>

• Exactly designed for compressors and blowers from AERZEN
• Application range optional up to 55°C ambient temperature
• Integrated switch cabinet heating for protection against condensate optionally available
• Modified standard switch cabinets also available for 460/480V or 500/525V at 50 and 60 Hz
• Power and control circuit completely wired
• Pre-parameterised according to customer data
• Significantly reduced installation space thanks to integrated power cabinet
• Perfect control of the reference speed via frequency inverter
• Optional: Connection for auxiliary drives such as air-to-air aftercoolers up to 5 kW

**Re-lubrication devices**

- Exactly designed for compressors and blowers from AERZEN
- Application range optional up to 55°C ambient temperature
- Integrated switch cabinet heating for protection against condensate optionally available
- Modified standard switch cabinets also available for 460/480V or 500/525V at 50 and 60 Hz
- Power and control circuit completely wired
- Pre-parameterised according to customer data
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- Low annual costs, optimised maintenance result
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- Cartridge or battery change visible on the dispenser

Reduce your maintenance costs – relubrication devices from AERZEN
**Special oils**

72% of all bearing damage is due to unsuitable, impure or rapidly ageing lubricants. This could easily be avoided. With the blue devices from AERZEN. Specially developed high-performance oils. Optimised by AERZEN for your high-performance machines. Suitable for every application. Giving your plant a long and reliable service life. And many more advantages.

- Standard oil Delta Lube 06
- Silicone oil
- Food grade oils (FDA approved)
- High performance oils

**Additional advantages Delta Lube 06:**
- Elimination of the first oil change after 500 hours
- Extended replacement intervals up to 16,000 operating hours

**Pressure relief and overflow valves**

For constant pressure ratios and uninterrupted plant operation, AERZEN offers you premium class components. The pressure-retaining valves provide the required back pressure. Extending the service life of your compressor considerably. Incidentally, with minimum pressure loss when the valves are open. What about the overflow valves? They dissipate excess compressed air. Without having to stop the system. Ideal if you need less compressed air at certain points.

**Options for AERZEN overflow valves.**
- Silencer for the reduction of exhaust noise
- Solenoid valve for precise opening of the valve (can also be used as start unloading device)
- Valve position display for quick information on the current opening condition
- Documentation of function and leak tests as well as individual material itemisations (also for the pressure retaining valve of AERZEN)

**Stainless steel rotors**

In certain applications it is necessary to make all parts of the blower or compressor that come into contact with the medium out of stainless steel or provide them with a special coating. For example with extremely corrosive media. Or in certain chemical processes. In addition to cylinder coating, this include above all sealing the compressor or conveying chamber as well as the rotors. This assembly concept from AERZEN prevents machine parts from being attacked by the medium. And ensures the high wear protection of your AERZEN machine.

**Stainless steel version.**

**Stage:**
- Cylinder
- Sealing of compressor and conveying chambers
- Rotors

**Complete suction and discharge side:**
- Intake channel, air filter housing, piping, silencers, compensators, safety valves, check valves
- Optionally in 1.4301 or 1.4571

**Special acoustic hoods**

They protect workers and the environment from high noise emissions. And machines from extreme conditions. Modified acoustic hoods from AERZEN. Guaranteeing that compressors and blowers from AERZEN can be used everywhere. For indoor and outdoor installation. In industrial parks as well as near residential areas. Onshore and offshore. Stationary or mobile. As reliable in Siberia as in the Sahara. And worldwide under all conceivable environmental conditions. Our portfolio of modified acoustic hoods always offers an optimal solution for all applications. Like this one:

**Ideal for desert installation: the acoustic hood with sand separator**

**Additional advantages Delta Lube 06:**
- Elimination of the first oil change after 500 hours
- Extended replacement intervals up to 16,000 operating hours

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- On- and offshore according to corrosion protection class CS-M or CS-1 according to DIN ISO 12944
- Earthquake-proof according to magnitude 5.9 on the Richter scale
- Reduction of very high sound emission up to 35 dB(A)
- Desert installations with additional sand collector
- Truck or ship installations with stabilisation
- Increased wind loads up to around 210 km/h
- Extremely cold temperature zones of -40 °C and more
- Use of HV and MV motors with special dimensions

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They protect workers and the environment from high noise emissions. And machines from extreme conditions. Modified acoustic hoods from AERZEN. Guaranteeing that compressors and blowers from AERZEN can be used everywhere. For indoor and outdoor installation. In industrial parks as well as near residential areas. Onshore and offshore. Stationary or mobile. As reliable in Siberia as in the Sahara. And worldwide under all conceivable environmental conditions. Our portfolio of modified acoustic hoods always offers an optimal solution. For all applications. Like this one:

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- On- and offshore according to corrosion protection class CS-M or CS-1 according to DIN ISO 12944
- Earthquake-proof according to magnitude 5.9 on the Richter scale
- Reduction of very high sound emission up to 35 dB(A)
- Desert installations with additional sand collector
- Truck or ship installations with stabilisation
- Increased wind loads up to around 210 km/h
- Extremely cold temperature zones of -40 °C and more
- Use of HV and MV motors with special dimensions

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The AERZEN on-site service.
Our service teams work where our machines are. All over the world. Onshore or offshore. Often under extreme conditions. How do we do it? With short distances. AERZEN has a dense network of service centers and decentralised parts warehouses around the globe. More than 200 excellently trained service technicians can come to your aid from there. Anytime and anywhere you need us.

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AERZEN’s service world has a lot on offer. Tailor-made service kits, for example. Replacement stages, machine diagnostics, sound optimisation. One of our most important services is AERZEN Rental Division, which provides a large fleet of rental machines. Blowers, turbos and compressors from AERZEN in a wide range of performance classes. For all common pressure ranges. Can be used immediately and delivered turnkey on request. What does that mean for you? You are also well prepared for unexpected requirements.

Make use of AERZEN’S OEM expertise - at any time, all over the world
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AERZEN was founded in 1864 as Aerzener Maschinenfabrik. In 1868, we built Europe’s first positive displacement blower. The first turbo blowers followed in 1911, the first screw compressors in 1943, and in 2010 the world’s first rotary lobe compressor package. Innovations “made by AERZEN” keep driving forward the development of compressor technology. Today, AERZEN is among the world’s longest established and most significant manufacturers of positive displacement blowers, rotary lobe compressors, screw compressors and turbo blowers. AERZEN is among the undisputed market leaders in many areas of application.

At our 50 subsidiaries around the world, over 2,500 experienced employees are working hard to shape the future of compression technology. Their technological expertise, our international network of experts, and the constant feedback we get from our customers provide the basis for our success. AERZEN products and services set the standard in terms of reliability, stability of value and efficiency. Go ahead - challenge us!