



**Aqseptence
Group**

We Build Responsibility

Specialized solutions in filtration, separation and water technology
for industries and municipalities

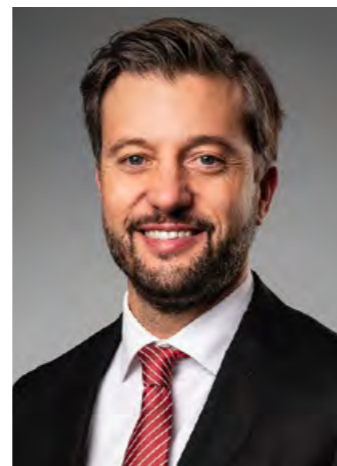
Who we are

Aqseptence Group is a global supplier of specialized products, equipment and system solutions for filtration and separation, as well as water technology for various applications.

Our company is headquartered in Germany's Aarbergen, close to Frankfurt am Main and employs around 1,500 people on all five continents. We offer a comprehensive range of services to you for the entire value chain – from engineering all the way to startup and maintenance.

We proudly unite some of the most renowned brands in the industry, having served industrial and municipal customers for more than 100 years.

“ We are proud to be leading a company that has a clear vision, knows its mission and builds responsibility – together! ”



Baldassare La Gaetana (CEO), Rosario Eduardo Tagliarvini (COO), Florian Will (CFO)
Board of Directors, Aqseptence Group

We Build Responsibility

Our Vision

We see a world where industries protect lives and precious natural resources by using our specialized solutions in filtration, separation and water technology. We see a company that thrives on innovation. A multi-niche specialist with market-leading brands and passionate people that share a culture of trust and excellence.

Our Mission

We build innovative solutions for our customers and thereby contribute to the protection of lives and the sustainable usage of our world's most precious natural resources. We empower our brands for growth and success. We support our employees to always believe in themselves and thus release their full potential.

Our Values

Protect

We protect the planet and its people with our specialized solutions and our constant innovations in the fields of filtration, separation, and water technology. We protect our employees and empower them to always believe in themselves. As an experienced global player, we protect our brands and their reputation in the market.

Support

Known for our service-oriented approach, we support our customers in industries and municipalities. We take great pride in providing long-term support to our customers to ensure that our solutions work perfectly to achieve their full potential. In think-tanks, and with political stakeholders, we enjoy sharing our know-how to support them in shaping a sustainable future. As a global organization, we support our brands and segments with a financial and organizational backbone, making it possible for them to focus on innovation and development.

Enable

We enable the protection of people and nature through the use of our technologies and thus contribute to the preservation of our most precious natural resource water. We achieve this by working closely with our customers to find best solutions for their challenges in filtration, separation, and water technology. We unite some of the most renowned brands of the industry and are proud to enable their growth – and thus the growth of our entire group. Enabling innovation in every layer of the company is key to our future success.

Watch our video





Aarbergen, Germany – Headquarters of Aqseptence Group

All threads of the global group run together at our headquarters in Aarbergen, Germany. Central functions such as Accounting & Tax, Human Resources & Legal, Controlling, IT, Marketing & Communications and Continuous Improvement are also located here.

Globally, our company is represented by four segments:

- Filtration and Thickening Systems,
- Screening Technology Systems,
- Vacuum Technology Systems and
- Water Processing Solutions.



“It was a wonderful experience, and it gives you a kind of feeling that you can change the world — which I’ve always wanted. Therefore, I really enjoy doing my job and I hope we could all together really change the world.”

Jelena, Product manager at Roediger Vacuum GmbH

Our brands

Founded in 1969



Founded in 1884



Founded in 1842



Founded in 1891



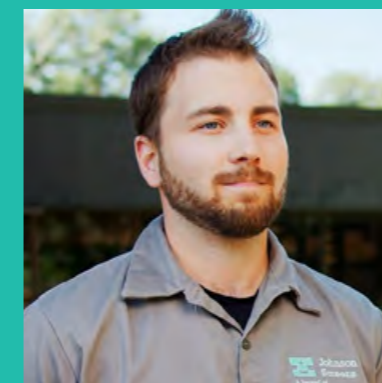
Founded in 1923



Founded in 1884



Founded in 1904



“We want to provide our customers with a product that meets their needs, their requirements and helps them in their journey for success.”

Thomas, Quality engineer at Johnson Screens Inc.

Filtration and Thickening Systems



Case study

Aluminium Refinery in Canada

The Client is a big Group having one of the most important Alumina Refineries in North America using the Bayer Process by leaching the bauxite ore with caustic soda. The waste generated, containing caustic soda, is a sludge called "Red Mud" that, for years, was stored in a semi-liquid phase. Saturation of the capacity of the tailings ponds posed a potential threat to the future operation of the refinery. An alternative method of red sludge management was needed, and filter press dewatering was preferred mainly for the following reasons:

Diemme® Filtration has been involved from the outset with the execution of a thorough pilot campaign at the site, working side by side with the client in order to design the equipment to specifically meet site standards. It was also crucial to meet the agreed deadlines in order to maintain the plant's production. The installation of a system with 4 filter presses mod. GHT2500F18 presented many challenges but eventually reached the set parameters (> 4.600 tpd of solids with > 73% of cake dryness). The success of this project represents the state of the art in this field and has generated a trusted partnership with the customer.

- Highest dewatering level (cake dryness > 73%)
- Lower risks for the environment and the surrounding community
- Reduced footprint of the disposal area
- Maximum recovery of caustic soda

Insights

Diemme® Filtration is a leading specialist in the field of solid-liquid separation for industrial processes.

Our systems contribute to make the industries in which we operate more sustainable, and this strongly motivates us to continue on the path of continuous innovation.

Our experience over the years allows us to accompany our clients from problem identification to solution implementation, confident that we can provide them with a complete installation that represents the state of the art in the field of dewatering engineering.

Portfolio

Diemme® Filtration has the widest range of filter presses available on the global market in terms of size, design and technical characteristics. The equipment is tailor made and designed according to

the needs of the specific application. Diemme® Filtration has also begun to design and supply its own range of high-rate thickeners, thus broadening the company's scope of supply and giving more support to the customer.

Our filtration technologies are globally used in various sectors:

- Metals & Mining
- Chemical & Pharmaceutical
- Oil & Gas
- Dredging & Soil Remediation
- Power Industry
- Red Mud
- Quarrying & Recycling
- Second-generation Bioethanol

Our Customer Care combines the experience of our technicians with the benefits provided by AIDA, the innovative System Tutor available for process management and optimization.



Trust Never Ends



 Diemme
Filtration

Screening Technology Systems



Highlighted products

Johnson Screen's Passive Intake Screens provide uninterrupted water withdrawal while protecting aquatic life.

Johnson Screens has led the way in static intake screening equipment for over 50 years, with more than 4,000 installations worldwide. Our non-plugging Vee-Wire® design and patented internal flow modifiers provided a high open area while maintaining the market's lowest entrance velocity and pressure drop. The advanced Max-Flow™ intake system provides 40% greater flow capacity and is available in various materials, including NSF-certified Z-Alloy. Every system fully complies with Section 316(b) of the Clean Water Act and is a proven fish-safe intake solution that reduces impingement while protecting aquatic life. Fit for use in power plants, desalination processing, and so much more, our passive intake systems are the clear choice across industries.



Insights

Johnson Screens is the leading global provider of screening and auxiliary solutions. Our highly engineered and precisely fabricated products support a wide range of industries, which makes our screens touch almost every product and object around you. With our vision of creating a world where protecting lives and our precious natural resources comes first, we collaborate with industries, governments, and individuals to achieve that shared goal. For almost 120 years, our products have helped protect lives by reducing harmful waste, providing clean water, and using our precious natural resources best.

other industrial processes, we have the right solution for your needs in these areas. We also supply screening solutions for water intake and treatment.

Mining:

We are well-positioned to offer you a comprehensive range of mining screen systems to add value to your mineral beneficiation processes. Our mining screen systems are simple, resilient, and designed to maximize production yield and maintenance efficiency.

Energy and Chemical Processing:

Supported by a Global Field Services organization, our products provide media retention and liquid-solid/gas-solid separation in many vessels, systems, and processes applied to all the major catalytic and separation activities used in the refining, chemical, and gas industries.

Architectural:

We collaborate with architects, designers, and artists to develop project-specific materials that express their vision and perform across the most diverse criteria with our Architectural Elements, which include Lighting, Grating, Landscaping, and Sculpture projects.

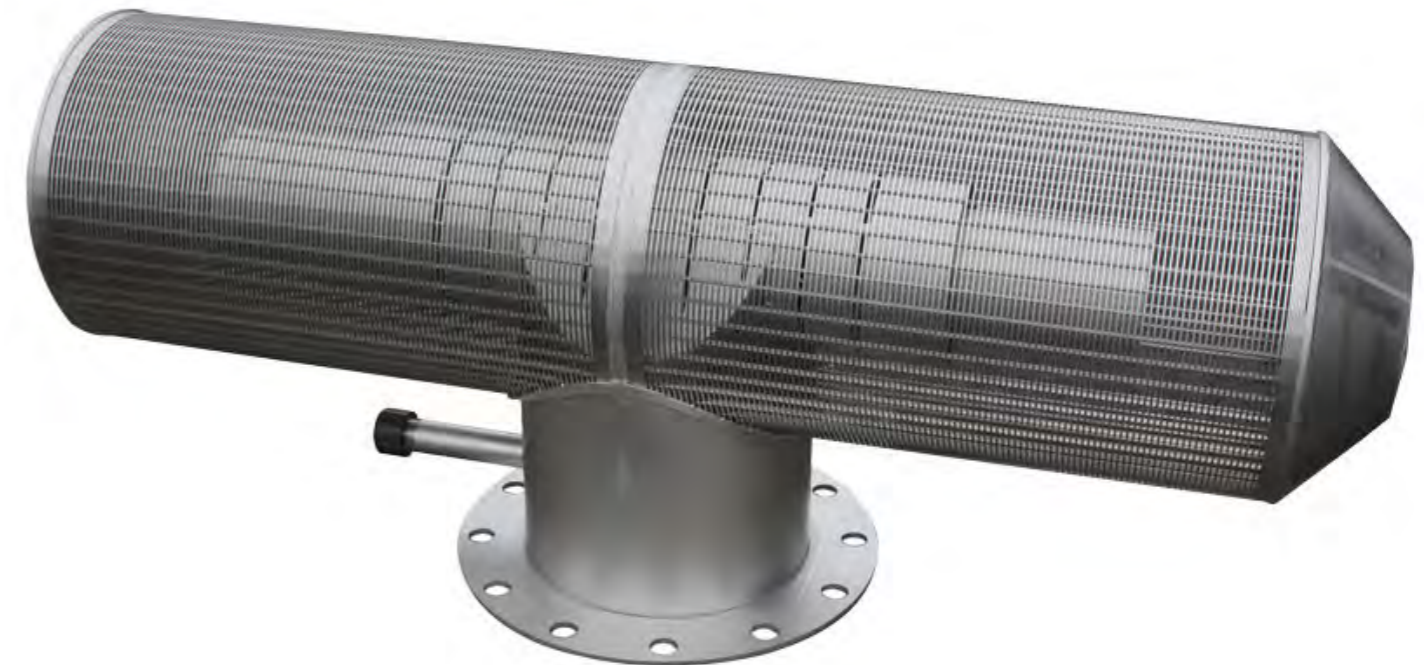
Portfolio

Water Well:

With over a century of success in the water well industry, we are the leading global provider of products and solutions, including steel and PVC screens and tubular, chemicals, and filter packs.

Industrial:

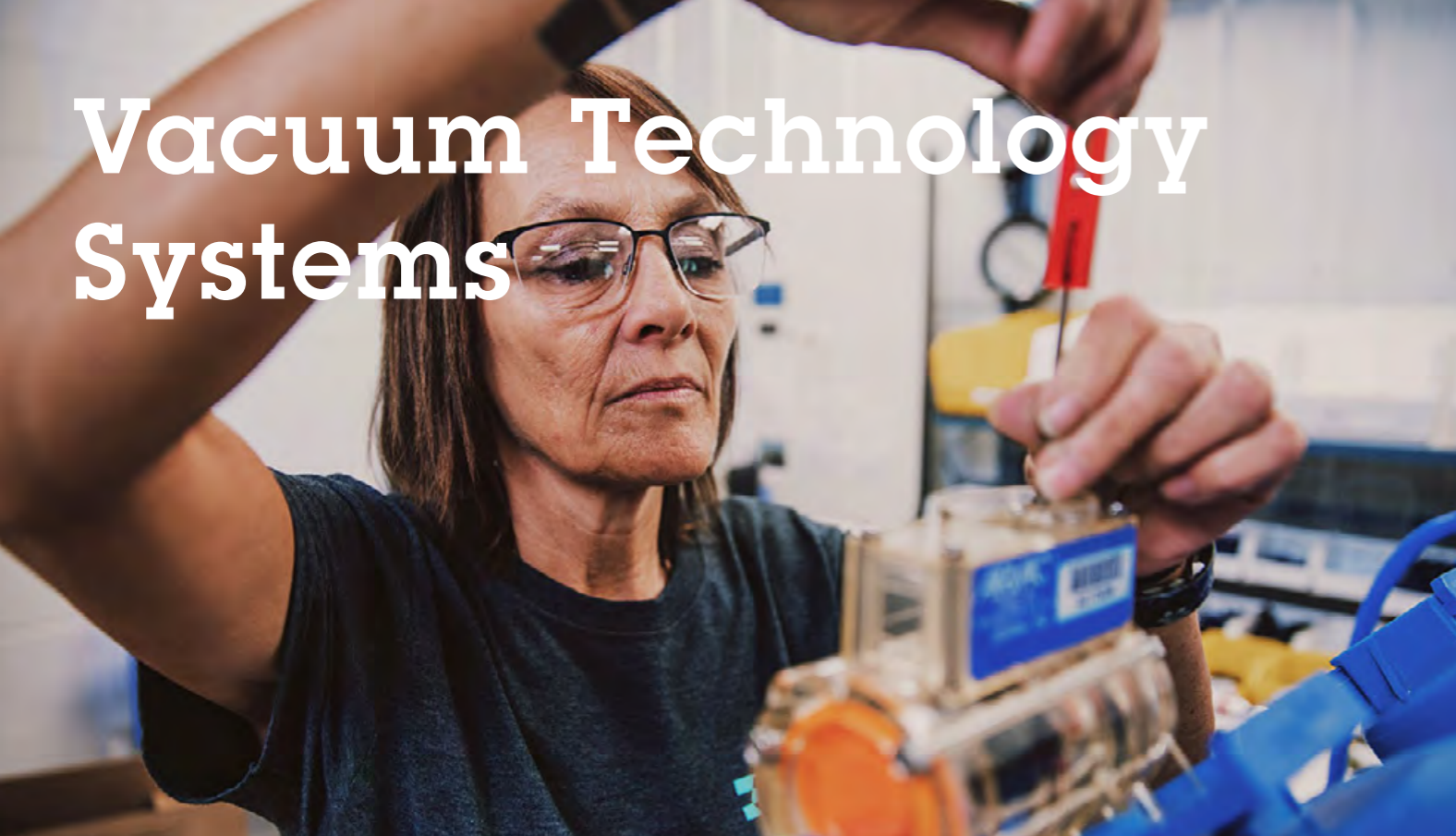
Providing solid/liquid- and solid-media screening primarily for Food & Beverage, Pulp & Paper, and



Invention Powered by Tradition



Vacuum Technology Systems



Insights

Water – it is our most precious commodity. Keeping it clean for future generations and using it carefully is a core responsibility for decision makers and planners alike. Now more than ever, financial investments and infrastructure projects require environmental accountability.

At Airvac and Roediger, you will Discover Better. We create solutions that use vacuum technology to move liquids and wastewater both ecologically and economically for industries and municipalities throughout the world. There are more than 2,000+ Airvac and Roediger systems installed worldwide. It is a proven technology with a long history of success and reliability.

Our vacuum systems only require one power source to operate the entire system and no power is required at the various points of extraction, so energy use is kept to a minimum. Since our systems operate under negative pressure, they are virtually leak proof.

There is no infiltration or exfiltration into, or from, the piping. This is important for protecting groundwater from contamination and especially important for industrial applications, such as cleanrooms or where dangerous chemicals are transferred.

In addition to wastewater collection, we can use wastewater as a resource, separating both greywater and blackwater. Greywater can be recycled for such things as irrigation or toilet water, saving energy by not sending it to the treatment plant. Blackwater can be treated and used as an energy resource, completing the cycle for true sustainability.

We believe in a customer first approach. Our customers rely on our commitment to service and support with the planning, design, construction, and maintenance of their systems. Most importantly, customers know that we are responsive to their feedback, which helps us to continually grow and improve, in turn helping them to better serve their businesses or communities.

Competence overview

Integrated wastewater solutions for the outdoor and indoor market. Improving the lives of future generations by protecting the environment through innovative vacuum technology systems.

Portfolio

Our products and services offer a broad spectrum of solutions for your specific wastewater problems:

- Ecological solutions for replacing failed sewage piping networks and septic tanks in municipalities as well as in marinas.
- Vacuum sanitation technology for ships, buildings, and mobile entities.
- Vacuum disposal systems for hospitals and train depots.

Our vacuum technology systems are:

- Environmentally Friendly
- Safe for Operators
- Cost-Effective, Efficient, and Dependable
- Highly Flexible with Smaller Construction Footprints
- Easy To Install and More Affordable Than Other Collection Systems
- Less Disruptive to Businesses and Communities



Making a difference today
for a better tomorrow



Airvac



Roediger

Water Processing Solutions



Case study

10 Passavant® Multi-Rake Bar Screens with Wash Presses for the new headworks building of the Koehlbrandhoeft WWTP in Hamburg, Germany

Increase in efficiency with simultaneously lower emissions has been the key driver for the new design of the headworks of the Koehlbrandhoeft-North sewage treatment plant in Hamburg.

The customer planned a two-stage screening system including the screenings treatment for a maximum stormwater inflow of 9 m³/s with single redundancy (n+1 channels) in each case. The coarse and fine screens were fitted with flow-favorable bar profiles in order to keep hydraulic losses as low as possible and thus to increase plant efficiency. The 5-channel inlet screening equipment has been fully encapsulated

including the distribution channels and shut-off devices, thus avoiding odors.

This coarse and fine screens with wash presses were the preferred solution for the following reasons:

- Completely hygiene-enclosed system
- No chain wheels in the submerged area
- Flow-favorable bar profiles
- Short cleaning cycles due to the installation of 6 cleaning elements per machine
- Maintenance-free roller chains made of duplex steel

Insights

Reliable wastewater technology and clean water for the challenges of the future: Intelligent solutions provided by our traditional brands Passavant®, Noggerath® and Geiger®.

Offering applications for water intakes as well as for water and wastewater treatment processes in municipal and industrial plants. By using our products, we enable our customers to cover their entire mechanical effluent treatment and clarification process – with low maintenance costs and highest life-time. With our customized and flexible machines we upgrade hydraulically and serve for a better environment and its living beings. Our technologies are globally used in various sectors such as:

- Water Intakes and Pumping Stations
- Mechanical Pre-treatment
- Secondary and Advanced Wastewater Treatment

Due to our experienced employees, our countless reference installations worldwide and due to a broad portfolio of in-house manufactured and innovative machines, we are able to meet your individual wishes and specific requirements like hardly any other company in the field. Our customer service provides you with competent support at any time.



Transforming Water.
Enriching Life.



Passavant



Geiger



Noggerath

Our locations

Aqseptence Group is headquartered in Germany's Aarbergen, close to Frankfurt am Main. It operates via 20 legal entities across all key geographies, 26 fully integrated locations, further sales offices as well as Joint Ventures and a broad agent network.

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An aerial photograph of a coastline. The land is covered in dense green trees and vegetation, bordering a clear blue sea. The sky is bright blue with scattered white clouds. The perspective is from a high angle, looking down at the coast.

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