



PROCESS EXPERTISE FOR SUSTAINABLE ENVIRONMENTAL SOLUTIONS

ASK YOUR SEPARATION SPECIALIST

ANDRITZ

ENGINEERED SUCCESS



YOUR
IDEAS

YOUR
NEEDS

YOUR
BUSINESS

YOUR
SEPARATION
SPECIALIST

How can you take your operations to the next level?

Water scarcity. Strict municipal budgets. Climate change. Pollution. When it comes to handling wastewater, potable water, biomass, and organic waste, the right separation solutions and services are key to sustainable growth. Wherever in the world you're operating, ANDRITZ has the experience and resources to support your plant's entire lifecycle.

EVERY ENVIRONMENTAL CHALLENGE IS A NEW OPPORTUNITY

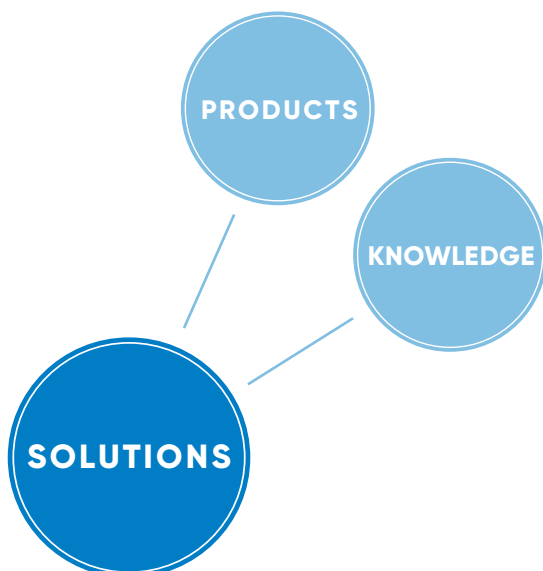
As populations and energy demands rise, the need for efficient water processing, wastewater treatment, and sludge treatment continues to pose significant challenges. Environmental regulations constantly place new pressures, while conservation of energy and resources is always a top priority. At the same time, an increasing variety of waste and other byproducts are being converted into valuable new sources of materials and renewable energy, making it possible for wastewater plants to become net producers of energy.

SEPARATION SOLUTIONS TAILORED TO YOUR NEEDS

Do your operations support a rural community or a densely populated urban area? What are the ideal properties for your sewage sludge to be utilized as a secondary fuel? Can energy or waste heat from other processes be harnessed for use in dewatering or drying? And how can you reduce operating costs through improved process performance? By analyzing these factors and more, our separation specialists develop the most efficient solution, conduct pilot trials, and optimize your operations to your specific process demands.

OPTIMAL RESULTS WITH LOWER OPERATIONAL COSTS

The end result is a separation solution tailored for easy operation and maintenance, optimum separation performance, low energy consumption, and minimal operating costs. By combining state-of-the-art technologies with world-class process expertise, we help you achieve better end results with sustainable efficiency for the full lifecycle of your plant. It's a commitment we deliver on for more than 500 new installations in the environmental sector every year, from the world's largest municipal sludge drying plant to the local wood pellet plant. Whatever your separation challenge, we are devoted to solving it with a range of complete separation, safety, and automation systems from our own in-house portfolio.



Your lifecycle partner for any separation challenge

In wastewater treatment alone, we deliver more separation technologies and services than any other supplier. This global track record, combined with our technology leadership and process knowledge in applications including biomass, organic waste, and potable water, guarantees that we can always support your plant's lifecycle with the right solution for all types of mechanical and thermal separation.

THE BROADEST TECHNOLOGY PORTFOLIO

ANDRITZ is one of a select few global suppliers to combine a complete range of multiple thickening, dewatering, and drying technologies, together with screening and ancillary solutions. This affords you the flexibility to choose the best individual equipment from a range of options or a complete system with all components fully integrated and fine-tuned. From initial consulting and feasibility studies to pilot tests, on-site optimization, and full-service contracts, our separation specialists can draw on a wealth of references and hands-on experience to support your plant with decades of high operational efficiency.

COMPLETE SERVICES AND SOLUTIONS FROM A SINGLE SOURCE

In addition to providing a broad range of technologies and services for wastewater treatment and thermal utilization of sludge, we supply complete process equipment for biomass drying and preparation. Our aim is to offer all the necessary technologies and expertise from a single source, making the selection, installation, and operation process as seamless as possible. And as your operations change over the years, we can provide the OEM upgrades, spare and wear parts, and automation solutions you need to evolve to new challenges. Thanks to the world's strongest network of separation specialists and service centers, ANDRITZ is always prepared to support your ambitions – wherever you happen to be and whatever your separation challenge.



Your separation specialist

As the world's leading separation specialist, we are committed to delivering the right knowledge, services, and solutions for any separation challenge.

EXTENSIVE PROCESS KNOW-HOW AND EXPERIENCE

In-house expertise to analyze process requirements and offer the best solution.

BROADEST PRODUCT PORTFOLIO

Full range of solid/liquid separation systems and ancillary equipment.

TEST FACILITIES

From lab-scale to pilot plants and industrial-scale mobile units.

TECHNICAL SUPPORT

On-site or through remote diagnostics for fine-tuning of equipment and system performance.

CONSULTING

Expert advice on customer-oriented process solutions.

LIFETIME SUPPORT AND COMPLETE SERVICE OFFERING

Full process support from concept to operation and full global after-sales support.

SAFETY

ATEX/NFPA compliance and safety upgrades.

R&D PARTNERSHIP

Joint product development for tailor-made customer solutions.

FEASIBILITY STUDIES

Process simulations and full life costs/ROI calculations.

LONG-TERM SERVICE CONTRACTS

Full-service contracts for operational safety, maintenance, and provision of parts.

UPGRADES AND PROCESS OPTIMIZATION

Improvements in performance and safety of existing equipment to extend productive life and preserve asset value.

SUSTAINABILITY

Full raw material utilization, waste elimination processes, use of waste heat, and environmental controls for minimal impact.

AUTOMATION

Intelligent turnkey machine and process control systems tailored for all levels of process automation, from a single-source supplier.



250 / ANDRITZ GROUP
production sites, service,
and sales companies

550 / service specialists

The world's strongest network of separation specialists and service centers

With more than 100 years of experience in environmental separation, ANDRITZ is the world's leading specialist in this field. Whether yours is a small local municipality, a large industrial operation, or a facility serving a global megacity, we have a complete range of mechanical and thermal separation solutions, services, and automation systems to serve your needs.

Our global capabilities ensure that we have the resources and application know-how to support your facility's entire lifespan. In fact, after many decades of references including more than 10,000 in wastewater alone, many of our oldest installations remain up and running to this day – more than 40 years later.

2,000

machines sold
every year by
ANDRITZ Separation

25,800

employees in
40 countries in the
ANDRITZ GROUP

150

years of experience
in the separation
business

OEM TO WORLD-LEADING BRANDS

This reliability and expertise are the results of a long-term strategy by the ANDRITZ GROUP to build a comprehensive portfolio comprising the most respected brands in the business. It is a strategy that pays off every day for customers around the world who depend on our network of more than 550 service specialists for spare and wear parts, process optimization, and customized automation upgrades to keep performing at full capacity as local conditions evolve.

SOLUTIONS TAILORED TO YOUR NEEDS

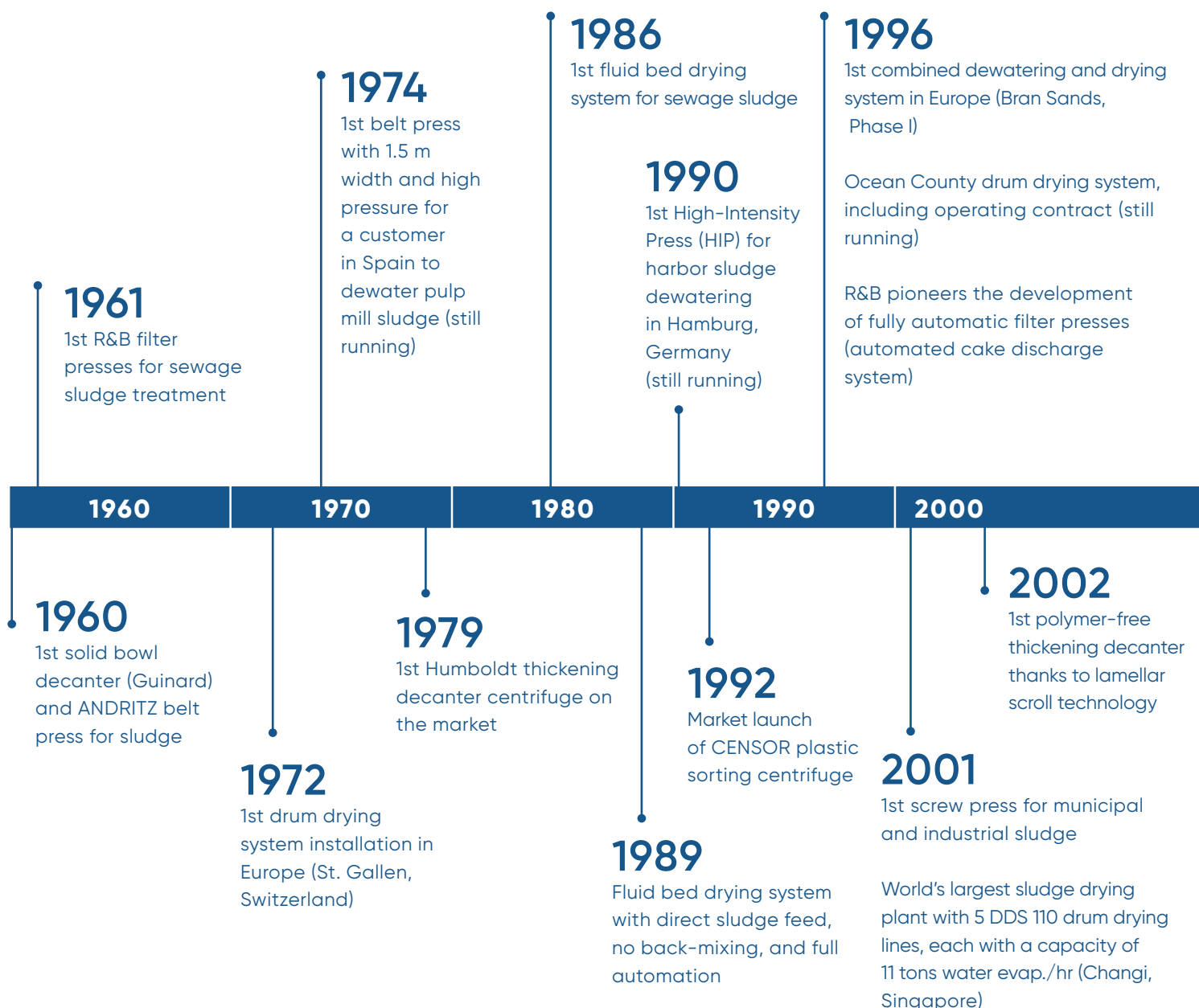
To help you optimize for real-world conditions, our unique capabilities make it possible to run full-scale production tests at our labs or carry out on-site testing and trial runs for trouble-free startup wherever you are located. And thanks to more than 250 ANDRITZ GROUP production sites, service, and sales companies in every major market, the right upgrades, optimizations, or tailored automation solutions are never more than a phone call away.

STRONG BRANDS:

- 3Sys Technologies
- Bird
- Delkor Capital Equipment (Pty) Ltd.
- Escher Wyss dryers
- Frautech
- Guinard Centrifugation
- KHD Humboldt Wedag
- Krauss-Maffei centrifuges, dryers, and filters
- Lenser
- Netzsch Filtration
- Rittershaus & Blecher
- Royal GMF Gouda
- Sprout Bauer
- Vandenbroek



Decades of innovative, sustainable solutions





2009

ANDRITZ supplies the world's largest biomass belt dryers with a belt width of eight meters

2012

Launch of AquaDrum; MBR protection screen with highest capture rate

1st low-energy decanter centrifuge, D7LL (Valenton, France)

2014

Launch of the new ANDRITZ C-Press for efficient sludge dewatering with high performance and low operating costs

2017

ANDRITZ supplies advanced screening technology, designed to withstand seawater corrosion at Europe's largest sea water-based geothermal power plant

2010

2006

Launch of the fully automated thickening centrifuge with Easy Pond Technology

2013

Successful start-up of Europe's largest paddle dryer installation for sewage sludge – fully automated plant with biogas converted into electricity

2016

Launch of RheoScan, a fully automated polymer measurement and dosing system

Successful start-up and handover of four ANDRITZ EcoFluid bubbling fluidized bed (BFB) steam boilers using wastewater sludge as fuel, reducing landfill sludge volume by 90% (Hong Kong)

2004

1st belt dryer for drying of sludge in a cement factory using the waste heat from the clinker cooler followed by using dried granulate as auxiliary fuel to generate heat for the cement production

2015

Development and launch of 1st closed-loop belt dryer for RDF (Refuse-Derived Fuel), Levensat, UK

Solutions for safe, efficient, and reliable separation

In developing countries, achieving a reliable base infrastructure for drinking water, wastewater treatment, and municipal solid waste disposal is critical. In industrialized countries, water quality, new energy sources, and environmental regulations can play a driving role. Whatever the case, the right mechanical and thermal separation solutions are vital to providing safe and affordable living conditions for people around the world.

SEIZING NEW OPPORTUNITIES

With the right drying technology, sewage sludge volume can be reduced by 80%. This presents a major opportunity to reduce disposal costs, simplify handling, and create new secondary fuels for power plants, cement producers, and other energy-intensive industries. The same is true of thickening, dewatering, and screening processes, where the

right technologies and services can reduce chemical inputs, conserve water, or generate efficient fuel sources that can be converted into new products. Whether your operations are industrial or municipal, treating solid or liquid waste, producing safe drinking water or new biomass products, no one has more technical solutions, services, or experience to support your needs than ANDRITZ.



BIOMASS

Complete process equipment for biomass drying, including wet milling, fine milling, and pelleting, as well as complete energy-generating systems, from raw material to electric power and/or steam generation.



MUNICIPAL SOLID WASTE (MSW), REFUSE-DERIVED FUEL (RDF), AND ORGANIC WASTE

Drying technologies for MSW and organic waste used to convert waste into energy. Drum dryers, belt dryers, and decanters for MSW and RDF, belt and screw presses, decanters, and belt and paddle dryers for organic waste.



MUNICIPAL WASTEWATER

Industry-leading portfolio including three thickening technologies, four dewatering technologies, and four drying systems, together with a complete range of in-house screening, ancillary, and automation technologies.



POTABLE WATER AND DESALINATION

Most proven technologies (pumps, screens, decanter centrifuges, filter presses, etc.) from water intake to sludge dewatering.



INDUSTRIAL WASTEWATER

Solid/liquid separation technologies for screening, thickening, dewatering, and drying of industrial wastewater and sludge.

The right technology for any separation process

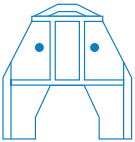
ANDRITZ

MECHANICAL SEPARATION

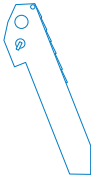
SCREENING

CENTRIFUGATION

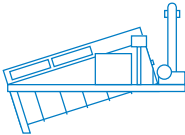
FILTRATION



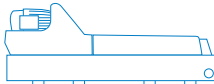
Static screen



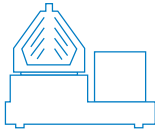
Fine screen



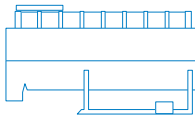
Rotating screen



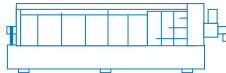
Decanter centrifuge



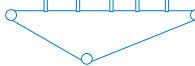
Separator



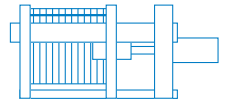
Drum thickener



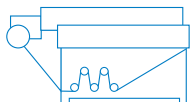
Screw press



Gravity belt table



Filter press



Belt press

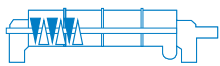


SEPARATION

THERMAL SEPARATION

DRYING

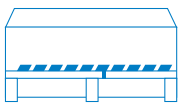
COMBUSTION



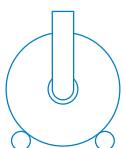
Paddle dryer



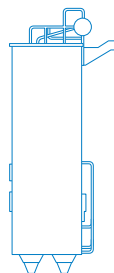
Belt dryer



Fluidized bed dryer



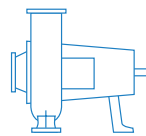
Drum dryer



Ecofluid (incinerator)

OTHER TECHNOLOGIES FOR YOUR PROCESS

PUMPING



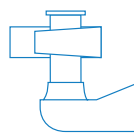
Process pump (single- and multi-stage)



Submersible pump

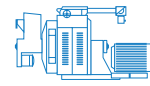


Sewage pump



Large-scale pump

DENSIFICATION

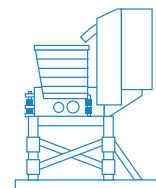


Pellet mill



Hammer mill

RECYCLING



Shredder



World-leading solutions for municipal wastewater

Is your wastewater plant prepared for tomorrow's challenges? With more than half the world's population living in cities, efficient municipal wastewater and sludge treatment are becoming increasingly critical to managing the world's energy and water resources. At ANDRITZ, we have the full range of technologies and expertise to help guide you to the most cost-efficient and reliable solution.

ANDRITZ has been providing innovative separation solutions for more than 150 years. Today, these cover the entire wastewater and sludge treatment process, including screening, thickening, dewatering, and drying. From greenfield to brownfield installations, we have supplied sustainable solutions to municipalities on every continent and in every regulatory environment.

SERVING MAJOR CITIES EVERYWHERE

Today more than 30 capital cities around the world depend on ANDRITZ solutions for reliable wastewater treatment. In Singapore alone, we helped to replace six outdated sewage works with three massive new wastewater treatment plants, including constructing the world's largest municipal sludge drying plant. Its five drying lines are capable of evaporating 11 tons of water per hour each and run entirely on biogas produced by sludge digestion, making the plant 100% sustainable.

FROM SINGLE TECHNOLOGIES TO COMPLETE SOLUTIONS

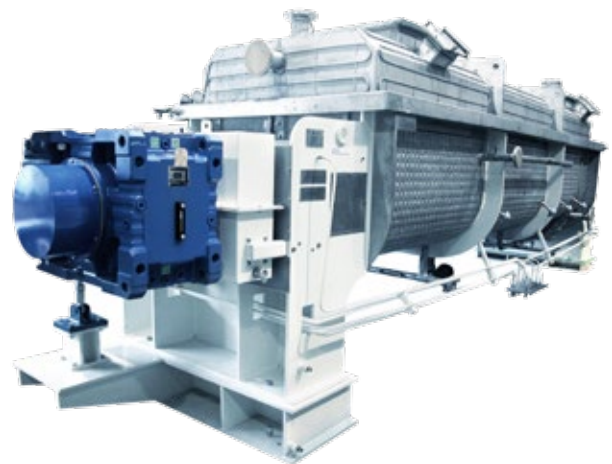
Our wastewater treatment solution packages give you the flexibility to choose the best individual equipment or a complete system for improved process performance. All components, electrical and automation systems, and services are optimized to your requirements, forming a complete process solution from a single source. To further reduce your cost of ownership, we offer on-going R&D partnerships, upgrades, and process automation, as well as full-service contracts covering the entire lifespan of your equipment.

KEY PROCESS STEPS

- Pumping
- Screening
- Thickening
- Dewatering
- Drying
- Combustion

KEY BENEFITS

- Lower energy consumption
- High-quality granules meeting Class A requirements
- Lower operating costs
- Maximum energy recovery
- Continuous operation



ANDRITZ Gouda paddle dryer

350 / new municipal installations annually

10,000 / municipal wastewater references

>9 million / tons of wastewater sludge treated annually

“The perforated screen system from ANDRITZ has resulted in a higher-volume capture rate and a reduction of tipping fees by thirty to forty thousand dollars a year.”

PAT DEVLIN
Manager Peterborough WWTP



MUNICIPAL WASTE-WATER

**How can a city's
wastewater plant
produce over 10%
more energy with
less polymer?**





One plant in Ljubljana, Slovenia, is truly leading the way towards sustainable wastewater treatment. By installing Metris addIQ RheoScan, an automated optical polymer measurement and dosing system from ANDRITZ, the municipality managed to boost digester performance while dramatically cutting polymer costs.

As a result, the plant now uses 34% less polymer in its belt thickener and 16% less polymer in its decanter. At the same time, it has achieved more than 10% higher annual biogas production due to the increased efficiency achieved by the RheoScan system, an investment that paid for itself within just a few months.

This is just one way our separation specialists have applied decades of knowledge to creating innovative new solutions for the future of sustainable cities.

Safe, reliable, and energy-efficient systems for potable water and desalination

From Singapore and Hong Kong to Barcelona and Dubai, cities around the world depend on ANDRITZ to safely and affordably secure a drinking water supply for a wide variety of urban needs. Many rely on the industry's most efficient technologies to guarantee a dependable potable water supply with the lowest possible energy consumption.

STATE-OF-THE-ART SYSTEMS AND EXPERTISE

Remotely monitored and unattended plants. Energy-efficient seawater intake and desalination. And dramatically higher capture rates with reduced sludge volume. Thanks to today's state-of-the-art technologies, potable water and desalination plants are able to achieve levels of safety and efficiency that were previously unimaginable. As a supplier of sludge treatment systems to many of the world's largest plants, ANDRITZ has been a key partner in enabling this progress.

A LIFETIME OF LOWER OPERATING COSTS

In fact, our flexible packages covering seawater intake, pumping, screening, and dewatering help dozens of major cities worldwide to continuously safeguard their water supply with significantly lower operating costs.

Some, like an innovative geothermal plant in southern France that utilizes seawater for heating and cooling, use our corrosion-resistant AquaGuard fine screen to protect equipment for the screen's full 20-year lifespan. Others cost-effectively transport massive quantities of seawater with the world's largest horizontal double-suction split-case pumps.

Whatever your challenge, our comprehensive process knowledge and complete service and solution offerings make it possible to support your needs today and for generations to come.

KEY PROCESS STEPS

- Sea water intake
- Pumping
- Screening
- Dewatering

KEY BENEFITS

- Lower energy consumption
- Lower operating costs
- Continuous operation
- Reduced sludge volume
- Unattended operations



ANDRITZ Decanter centrifuge

Serving
largest
producers

Serving Asia's largest
producers of potable water

Most
experience

The most experience
worldwide in treatment of
sludge from potable water
and desalination plants

>2.5 Mio. m³
potable water
per day

More than 2.5 million m³
of potable water are
produced at sea water
desalination plants
equipped with ANDRITZ
solutions

"40% of the world's
population lives on
coastlines, a maximum
of 100 km away from
the sea. This means that
geothermal power from
seawater is an ideal
sustainable energy source
for heating and cooling,
hence the favorable
market for this ANDRITZ
screening technology."

FREDERIC BONNARDON

Deputy-director of Engineering, OTV France



**POTABLE
WATER AND
DESALINATION**

**What does it take to
secure a safe, affordable
water supply for future
generations?**





At the Gothard reservoir in the Czech Republic, a severely outdated potable water treatment plant was in need of a complete upgrade. To secure drinking water for more than half the region's population, an ANDRITZ C-Press was chosen as the ideal solution.

Today, the plant is able to treat more than 2,500 cubic meters of potable water per day. Best of all, it achieves this with minimal sludge production, low maintenance, and full remote monitoring offsite in nearby Jicin.

For the local population, this means better, more reliable, and more cost-efficient drinking water for generations to come.

Supporting your business with trouble-free industrial wastewater solutions

With hundreds of applications served, virtually every industrial waste treatment solution we provide is individually tailored according to specific process requirements. Our capabilities range from serving multinational food and beverage companies like Arla Foods, major utilities such as China National Power Inc., and global chemical processors, to all types of smaller local industries.

Our comprehensive range of technologies spans screening, thickening, dewatering, and drying, all of which can be tailor-made to address your needs. These broad capabilities guarantee that a flexible range of solutions is always available to ensure low energy and ownership costs, together with reliable performance.

CONSERVE WATER AND LABOR

Hundreds of companies worldwide rely on fully automated solutions like our industry-leading filter presses and screw presses to provide a lifetime of continuous, operator-free dewatering. Our unique screen designs, continuous sand filtration technologies, belt presses, centrifuges, and separators can also be tailored and tested in our pilot labs to ensure the absolutely highest levels of water recycling for your process.

COST-EFFICIENT CLOSED-LOOP SYSTEMS

Many customers turn to us to design and install efficient closed-loop systems that eliminate the need for disposal ponds while maximizing water recovery and harnessing secondary fuels. From headworks screening and sludge management to biosolids drying and biogas handling, we have the full range of expertise needed to deliver fully integrated solutions for any type of separation challenge.

KEY PROCESS STEPS

- Pumping
- Screening
- Thickening
- Dewatering
- Drying

KEY BENEFITS

- Low cost of ownership
- Minimal operator involvement
- Lower treatment costs
- Convert waste into fuel
- Reduced disposal costs
- Reduced environmental risks



ANDRITZ Filter press

>50%

More than 50% of Chinese power plants are equipped with ANDRITZ solutions for wastewater treatment

>250

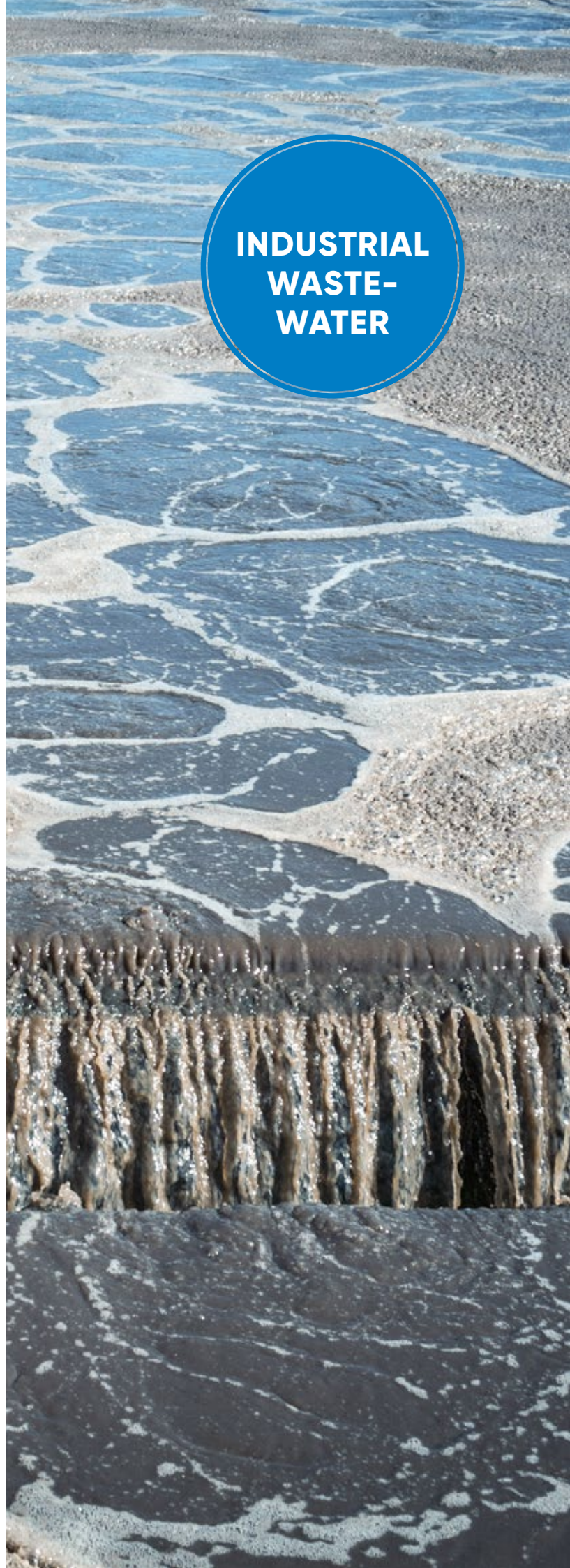
applications served

**INDUSTRIAL
WASTE-
WATER**

“ANDRITZ not only had the best technology for the job – they were able to demonstrate and optimize it on-site according to our specific needs. Their expertise was vital to getting it just right.”

ALAN RASMUSSEN

Team Leader Maintenance Facility Arla Foods, Denmark



**How do you clean up
375,000 m³ of contaminated
river sediment every year?**





Environmental remediation is always an ambitious task. And the case of Lower Fox River in Wisconsin was no exception.

To remediate contamination from PCBs, the dewatering stage alone demanded eight fully automated, cost-efficient membrane filter presses, each capable of producing 22 tons of filter cake every hour, over the course of 10 years.

The result? More than 13 miles of efficiently remediated riverbed and a thriving ecosystem that gives new life to an entire region. Thanks to a successful collaboration with multiple partners, it proves that no job is too big for the right dewatering technologies.



Biomass drying solutions for low moisture and high calorific value

The right drying solution is essential to creating the ideal conditions for direct firing or pelleting of biomass fuels. With a complete drying system from ANDRITZ, you can substantially increase the calorific value of your biomass fuel while reducing transportation and storage costs.

IMPROVE QUALITY AND EFFICIENCY

Downstream processes such as pelleting, briquetting, incineration, and gasification require biomass inputs with uniformly low moisture content and high calorific value. ANDRITZ belt drying systems make this possible thanks to an innovative low-temperature, hybrid design that achieves low moisture content using energy sources with temperatures less than 90°C. The unique closed air circuit and advanced control system ensure higher drying efficiency than conventional systems within a highly automated and easy-to-operate system design.

TRANSITION TO RENEWABLE ENERGY

For Metsä Fibre, one of Finland's largest pulp producers, our specially tailored belt drying system enabled one gasification plant to replace all primary fuel used in the mill's lime kiln with renewable local biomass sources. Similar results have been achieved in power plants and in cement plants, where waste heat can be utilized for the drying of wastewater sludge and the dried product can be utilized as alternative fuel for the cement kiln. The results? No primary energy or thermal energy costs for drying and no added CO₂ emissions.

KEY PROCESS STEPS

- Biomass handling
- Wet milling
- Drying
- Fine milling
- Pelleting
- Gasification

KEY BENEFITS

- Homogeneous low moisture content
- Increased calorific value
- Volume reduction
- Mass reduction
- Reduced environmental impact

Calorific
value

Maximum increase in calorific value of biomass through drying





BIOMASS

Vihab

ANDRITZ Belt dryer

Capture more value from MSW, RDF, and organic waste

ANDRITZ has long been dedicated to supporting the global shift towards landfill reduction, green energy production, and methane gas utilization. Whatever the moisture content, particle sizes, or composition of your organic feedstock, our broad expertise and proven technologies can help you to achieve consistently high-quality results.

UNIFORMLY LOW MOISTURE CONTENT

Handling a diverse assortment of waste and transforming it into new resources is no simple task. Moisture content, particle sizes, and bulk density can vary widely. Yet fuel and fertilizer products require consistently low moisture while meeting strict quality standards. ANDRITZ centrifuges, belt dryers, and drum dryers are uniquely suited to meeting these demands. Our tailored solutions are based on decades of experience in supporting organic waste plants, municipal solid waste facilities, and RDF (Refuse-Derived Fuel) producers worldwide. As a result, we can provide the right dewatering and drying technology to meet your precise quality and moisture content requirements for nearly any mix of organic feedstock.

CONSTANTLY IMPROVING PERFORMANCE

To further improve performance, we offer additional pre-treatment and feeding technologies such as the innovative ANDRITZ Mewa Bio-QZ cross-flow shredder, which is proven to remove inorganic matter far more efficiently than with conventional systems. We also offer the ANDRITZ decanter centrifuge CENSOR ACZ, which features high-performance separation, especially when the feed material contains particles of different shapes and sizes. These broad capabilities ensure that you can reliably capture the most value from your feedstock with lower energy costs for the lifetime of your investment.

KEY PROCESS STEPS

- Dewatering
- Drying

KEY BENEFITS

- Homogeneous low moisture content
- Increased calorific value
- Volume reduction
- Mass reduction
- Reduced environmental impact

<12% / moisture content for Solid Recovered Fuel (SRF)



A large, horizontal, stainless steel rotary drum dryer is the central focus of the image. The drum is supported by a complex metal frame and has several large, rectangular, protruding components along its length. In the foreground, a control panel is visible, featuring a diagram of the dryer's internal structure and the logo for VDI (Vötsch & Dietrich International). The background shows other industrial equipment and a high ceiling with a grid of lights.

**MSW,
RDF, AND
ORGANIC
WASTE**

ANDRITZ Rotary drum dryer



R&D

—

YOU'VE GOT AN IDEA. WE'VE GOT THE CAPABILITIES. LET'S CREATE A SUCCESSFUL CONCEPT

Let's be brilliant - together

No one knows your operations better than you. And no one devotes more resources to advancing the science of mechanical and thermal separation than ANDRITZ. Together we can discover new ways to get your product to market more efficiently, affordably, and reliably than ever before.

Investing in R&D in solid/liquid separation is critical to meeting the demands of tomorrow's environmental industry. Which is why we continuously collaborate with customers and leading universities to go beyond the limits of current technologies. Whether you are looking for cutting-edge wastewater treatment technologies, innovative renewable energy sources, or a more straightforward performance upgrade, you can find ways to do it better.

How do we know? Because we do this every day for many of the largest cities and most advanced environmental facilities across the globe. Because your challenges are complex and because many of our customers are based in remote locations, we provide accessible mobile test equipment so you can test your parameters on-site and be assured of an easy transition to industrial scale. Whatever your ambitions, we can provide the knowledge and capabilities to support your goals.

Our brain power is your strength

LAB TESTING FACILITIES

- Europe: Austria, Germany, France, Netherlands, UK
- North America: Texas
- South America: Brazil
- Asia Pacific: China, Singapore

MOBILE TESTING FACILITIES

- Europe: UK, Netherlands, France
- South America: Brazil
- Asia Pacific: China, Singapore

3% / of our sales are reinvested in R&D

Intelligence for machine and process control

Metris addIQ control systems

With Metris addIQ, you get a well-proven, intelligent control solution for industrial processes and machines. Our solid/liquid separation specialists use their in-depth expertise to provide scalable solutions that are individually tailored to regional and application requirements. Whether you're automating new equipment or upgrading to extend the lifecycle of existing systems, we find the ideal solution for you.

Our tailored turnkey systems from a single supplier can improve entire plants or individual machines. By providing state-of-the-art automation technologies and digitalization, we ensure best-in-class performance. Automating machine and plant equipment measurably reduces gaps in many different production process steps. By using automation from ANDRITZ, you can reduce downtime thanks to features such as predictive analysis that allow you to optimize productivity.

Metris addIQ covers all levels of automation, starting at basic automation (machine, process, and plant control), to upgrades, and add-ons for process optimization. Together, you get a full range of optimized solutions that help reduce maintenance efforts and ensure preventive service for your machines and plants. These are all delivered from a single source and always individually tailored to your business demands. Metris addIQ control systems are part of the ANDRITZ brand for Digital IIoT (Industrial Internet of Things) Solutions.





Put our 150 years of OEM experience to work for you

Need to optimize your process? Boost availability? Ensure non-stop productivity? When you work with ANDRITZ, you gain access to one of the world's largest OEM manufacturers for solid/liquid separation. Put our in-depth knowledge of separation equipment and processing to work for you.

VAST EXPERIENCE THROUGH LARGE INSTALLED BASE

With an installed global base of more than 55,000 solid/liquid separation machines and systems, you can imagine that we take service seriously. Wherever these customers are located, we work very closely with them to maximize uptime and boost efficiency.

WELL-KNOWN OEM BRANDS

Some customers know us as the people with ANDRITZ on our overalls. Others have come to understand that we are the OEM behind former brand names like 3Sys Technologies, Bird, Delkor Capital Equipment (Pty) Ltd., Escher Wyss dryers, Frautech, Guinard Centrifugation, KHD Humboldt Wedag, Krauss-Maffei centrifuges, dryers, and filters, Lenser, Netzsch Filtration, Rittershaus & Blecher, Royal GMF Gouda, Sprout Bauer, and Vandenbroek – all companies that have been acquired by ANDRITZ. But frankly, we are capable of servicing and supplying spare parts for nearly all brands of solid/liquid separation equipment on the market.

LOCAL SUPPORT BACKED BY GLOBAL EXPERTISE

Our service philosophy is simple: One phone call, one contact person, one dedicated team that speaks your language and knows your equipment and process. This is not an empty promise. It is backed by a network of 550 service specialists for separation equipment and systems as well as service centers all around the world.

A TRUE FULL-SERVICE PROVIDER

Whether you need spare parts, rentals, local service, repairs, upgrades, or modernization of your equipment, ANDRITZ is your service specialist in all aspects of separation. From initial consulting through to service agreements, process optimization, and training programs, we are always looking for ways to minimize downtime and increase predictability in operations while raising your overall production efficiency. In short, we've got you covered.



LOCAL SUPPORT

Responsive local service centers and field service technicians



REPAIRS & UPGRADES

Optimization of machine and process performance, repair work, retrofitting, and modernization



SECOND-HAND & RENTALS

Certified second-hand and rental machines



TRAINING

Operator training and tailored seminars for operating and maintenance personnel



OEM SPARE PARTS

Filter cloths, spare and wear parts from OEMs or with OEM level quality, all readily available



SERVICE AGREEMENTS

Preventive maintenance, contracts for spare parts, maintenance, inspections, repairs, upgrades, operation, and equipment monitoring



PROCESS OPTIMIZATION

Automation tools and process expertise to boost your profit



LAB AND ON-SITE TESTS

Lab and testing capabilities for process optimization and machine upgrades



What's your biggest separation challenge?





Ask your separation specialist.

Now you've seen how ANDRITZ is striving to bring you the world's broadest range of separation solutions you can count on. With proven reliability, unmatched process expertise, and state-of-the-art automation systems.

Let's sit down and see how we could take your operations to the next level. Contact us today.

[ANDRITZ.COM/SEPARATION](https://www.andritz.com/separation)



WHAT'S YOUR SEPARATION CHALLENGE?

ANDRITZ Separation is the world's leading separation specialist with the broadest technology portfolio and more than 2,000 specialists in 40 countries. For more than 150 years, we have been a driving force in the evolution of separation solutions and services for industries ranging from environment to food, chemicals, and mining & minerals. As the OEM for many of the world's leading brands, we have the solutions and services to transform your business to meet tomorrow's changing demands – wherever you are and whatever your separation challenge. **Ask your separation specialist!**

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