



# YOUR SEPARATION SPECIALIST

MINING AND MINERALS, FOOD,  
CHEMICALS, AND ENVIRONMENT



ENGINEERED SUCCESS

# What's your biggest challenge?

Are you looking to boost efficiency? Save resources and energy? Or simply improve your end products? Whatever your challenge, more than 2,000 separation specialists at ANDRITZ are on hand to put our experience, financial strength, and technical resources to work for you.

We've delivered tens of thousands of installations worldwide, including everything from standard to customized thermal and mechanical separation solutions. And while we're proud of our technologies, we're even more passionate about the results our specialists have helped to achieve.



**WE CARE**  
ANDRITZ strives to be a leader in sustainability, focusing on responsible corporate governance and on ensuring a safe and viable future. ANDRITZ creates sustainable and durable solutions that contribute to conserving natural resources and protecting the environment and climate.

# A world of separation solutions



## MINING & MINERALS

### SEPARATION EXPERTISE FOR YOUR SUCCESS IN THE MINING AND MINERALS INDUSTRY

Need to boost ore throughput? Improve your separation of precious minerals? Whatever your mineral processing needs, we help you reduce operating costs and improve quality.

#### KEY APPLICATION AREAS:

|             |
|-------------|
| POTASH      |
| LITHIUM     |
| COAL        |
| TAILINGS    |
| BASE METALS |

We have earned a reputation among many leading mining and mineral processors for providing the world's highest-capacity dewatering technologies, with the lowest possible operating costs. For others, it's a matter of minimizing wastewater from tailings in remote deserts or ensuring the ideal residual moisture for their final products. Whatever the challenge, our wide range of solutions for potash, coal, tailings, metal mining, and more ensures that we can always meet your requirements.



## FOOD

### THE RIGHT INGREDIENTS FOR YOUR SUCCESS IN THE FOOD INDUSTRY

Want to get more from less? Purer products? Better taste? Higher yield? With more than 100 years' experience in the food industry, serving everyone from multinationals to smaller family operations, we can promise you one thing: Your goals come first.

#### KEY APPLICATION AREAS:

|                          |
|--------------------------|
| STARCH                   |
| RTD AND BEVERAGES        |
| VEGETABLE OIL            |
| PLANT BASED NUTRIENTS    |
| ANIMAL PROTEIN           |
| DAIRY AND VEGETABLE MILK |

Tapioca starch or pea proteins. Beer or palm oil. Soy milk or fruit juices. Dewatering, filtration, drying or solidification systems. The applications may vary, but the need for reliable, efficient, and hygienic ways to improve product quality remains the same. Our circular processes turning waste-to-value strive to achieve better sustainability. This is why hundreds of food and beverage customers have turned to and rely on ANDRITZ.



## CHEMICALS

### SOLUTIONS YOU CAN COUNT ON IN THE CHEMICALS INDUSTRY

Are you looking to boost output for growing markets? Need to lower operating costs with an automation system that's ahead of the curve? How can you ensure your next product innovation is error-free? And how will you guarantee 24/7 production?

#### KEY APPLICATION AREAS:

|                               |
|-------------------------------|
| AGROCHEMICALS AND FERTILIZERS |
| PETROCHEMICALS AND POLYMERS   |
| SODA ASH AND TECHNICAL SALTS  |
| SPECIALITY CHEMICALS          |
| PHARMA AND BIO-CHEMICALS      |

In terms of product purity and plant safety, chemical manufacturers are among our most demanding customers. These strict process requirements and specific chemical characteristics drive our technology selections to give you the optimal filters, presses, centrifuges, decanters, purifiers, concentrators, drying/cooling, and automation systems for your needs. Need a more tailored solution? Our own test and pilot facilities are available to help.



## ENVIRONMENT

### PROCESS EXPERTISE FOR SUSTAINABLE ENVIRONMENTAL SOLUTIONS

Challenging municipal budgets. Water shortages. A need for renewable energy. Today, there's simply no room for waste. Getting the most efficient separation is essential, not just to profitability, but also to ensuring sustainable growth.

#### KEY APPLICATION AREAS:

|                                |
|--------------------------------|
| INDUSTRIAL WASTEWATER          |
| MUNICIPAL WASTEWATER           |
| DESALINATION AND POTABLE WATER |
| BIOMASS PRODUCTION             |
| ORGANIC WASTE                  |

Based on our process expertise, we have successfully delivered more than 10,000 references in the environment sector and are adding as many as 500 new references per year. Our industry-leading portfolio includes dewatering, thickening, and drying technologies, as well as screening and ancillary solutions. So whatever your specific needs, we can always supply the best solutions for municipal and industrial wastewater, potable water, biomass, and organic waste applications.

#### CONTACT:

**AFRICA**  
ANDRITZ Delkor (Pty) Ltd.  
p: +27 11 012 7300  
separation.za@andritz.com

**ASIA**  
ANDRITZ Singapore Pte. Ltd.  
p: +65 6512 1800  
separation.sg@andritz.com

**AUSTRALIA**  
ANDRITZ Pty. Ltd.  
p: +61 3 8773 4888  
separation.au@andritz.com

**CHINA**  
ANDRITZ (China) Ltd.  
p: +86 757 8258 6802  
separation.cn@andritz.com

**EUROPE**  
ANDRITZ AG  
p: +43 50805 56231  
separation@andritz.com

**NORTH AMERICA**  
ANDRITZ Separation Inc.  
p: +1 817 465 5611  
separation.us@andritz.com

**SOUTH AMERICA**  
ANDRITZ Separation Ltda.  
p: +55 47 3387 9100  
separation.bra@andritz.com

**ANDRITZ.COM/SEPARATION**

26,700 employees in 40 countries in the ANDRITZ GROUP

280 ANDRITZ GROUP production sites, service, and sales companies

2,000 separation specialists in 40 countries

550 service specialists for separation equipment and systems

150 years of experience in the separation business



# The right solution for every separation challenge



|   |   |   |  |  |  |   |  |  |  |   |  |  |   |  |   |   |  |   |  |  |  |  |  |
|---|---|---|--|--|--|---|--|--|--|---|--|--|---|--|---|---|--|---|--|--|--|--|--|
|  | <b>WATER MANAGEMENT</b><br><br>Dewatering pump   | <b>SCREENING</b><br><br>Linear screen  | <b>SEDIMENTATION AND FLOCCULANT PLANTS</b><br><br>Clarifier/High-rate thickener<br><br>Paste thickener<br><br>Flocculant plant  |  | <b>CENTRIFUGATION</b><br><br>Pusher centrifuge<br><br>Decanter centrifuge<br><br>Screen scroll centrifuge<br><br>Horizontal peeler centrifuge |   | <b>FILTRATION</b><br><br>Heavy-duty belt press<br><br>Drum filter<br><br>Disc filter<br><br>Horizontal vacuum belt filter<br><br>Overhead filter press<br><br>Sidebar filter press<br><br>Tilting pan filter<br><br>Hyperbaric disc filter |  |  |   |  |  | <b>DRYING</b><br><br>Fluid bed dryer/cooler<br><br>Paddle dryer<br><br>Plate dryer<br><br>Helix dryer |  |   |   |  |   |  |  |  |  |  |
|  | <b>LIQUID TRANSPORT</b><br><br>Process pump      | <b>DEWATERING AND FILTRATION</b><br><br>Horizontal peeler centrifuge<br><br>Vertical peeler centrifuge<br><br>Sidebar filter press<br><br>Overhead filter press<br><br>Decanter centrifuge<br><br>Pusher centrifuge<br><br>Dynamic crossflow filter<br><br>Drum filter |  |  |  |   |  |  |  | <b>DISCONTINUOUS AND CONTINUOUS DRYING</b><br><br>Helix dryer<br><br>Fluid bed dryer/cooler<br><br>Contact drum dryer<br><br>Paddle dryer<br><br>Plate dryer   |  |  |   |  | <b>SOLIDIFICATION</b><br><br>Contact drum flaker |   |  |   |  |  |  |  |  |
|  | <b>LIQUID TRANSPORT</b><br><br>Process pump      | <b>SEDIMENTATION</b><br><br>Clarifier/High-rate thickener  | <b>CENTRIFUGATION</b><br><br>Decanter centrifuge<br><br>Pusher centrifuge<br><br>Screen scroll centrifuge<br><br>Censor decanter centrifuge<br><br>Horizontal peeler centrifuge<br><br>Vertical peeler centrifuge<br><br>Pharma centrifuge |  |  |   |  |  |  | <b>FILTRATION</b><br><br>Dynamic crossflow filter<br><br>Tilting pan filter<br><br>Disc filter<br><br>Drum filter<br><br>Pressure drum filter<br><br>Overhead filter press<br><br>Sidebar filter press<br><br>Horizontal vacuum belt filter<br><br>Heavy-duty belt press |  |  |   |  |   |   |  | <b>DISCONTINUOUS AND CONTINUOUS DRYING</b><br><br>Helix dryer<br><br>Fluid bed dryer/cooler<br><br>Plate dryer<br><br>Contact drum dryer<br><br>Paddle dryer |  |  |  | <b>SOLIDIFICATION</b><br><br>Fluid bed spray granulator<br><br>Contact drum flaker |  |
|  | <b>FLOCCULANT PLANTS</b><br><br>Flocculant plant | <b>SCREENING</b><br><br>Static screen<br><br>Fine screen<br><br>Rotating screen<br><br>Linear screen  |  |  | <b>WATER AND WASTE-WATER TRANSPORT</b><br><br>Water and wastewater pump   | <b>CENTRIFUGATION</b><br><br>Decanter centrifuge | <b>FILTRATION</b><br><br>Drum thickener<br><br>Screw press<br><br>Gravity belt table<br><br>Overhead filter press<br><br>Sidebar filter press<br><br>Belt press  |  |  |   |  | <b>DRYING</b><br><br>Belt dryer<br><br>Fluidized bed dryer<br><br>Paddle dryer<br><br>Drum dryer |   |  |   | <b>COMBUSTION</b><br><br>EcoFluid (incineration) |  |   |  |  |  |  |  |

## Worldwide service and support for non-stop productivity

Our installed base of more than 55,000 separation solutions and systems means we take service extremely seriously. Whether it's consulting, process optimization, repairs, upgrades, spare and wear parts, operator training, or service agreements, we work closely with all of our customers to ensure a lifetime of efficiency and reliability.



**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

ALL FROM  
A SINGLE  
SOURCE

## Intelligence for machine and process control: Metris addIQ control systems

With Metris addIQ, you have 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.

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 have 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. addIQ control systems are part of Metris, the ANDRITZ brand for digital solutions.



**AUTOMATION/  
ADVANCED CONTROLS**



**SIMULATION**



**INSTRUMENTATION**







## **ANDRITZ.COM/SEPARATION**

All data, information, statements, photographs, and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2021. All rights reserved. No part of this copyrighted work may be reproduced, modified, or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria. SE Product leaflet 5.0/10.2021 EN

## **JOIN US ON SOCIAL MEDIA**



# **ANDRITZ**

