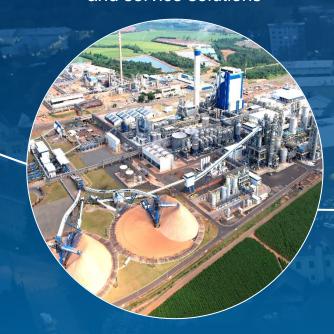


NO CHALLENGE IS TOO BIG – A PIONEER IN LARGE-SCALE TECH SOLUTIONS WORLDWIDE



WHAT WE DO:

Developing large-scale, state-of-the-art engineering and service solutions



Elevating customer operations with state-of-the-art technologies



Supporting our customers operations with life-cycle services



Empowering our customers to drive the green transition

KEY FINANCIAL FIGURES H1 2024



ORDER INTAKE 3.8 billion EUR

(H1 2023: 4.7 billion EUR / -18%)

333 MEUR

(H1 2023: 333 MEUR / +/-0%)

GROUP REVENUE 4.0 billion EUR

(H1 2023: 4.1 billion EUR / -3%)

EBITA MARGIN
8.4%

(H1 2023: 8.1%)

ORDER BACKLOG 9.7 billion EUR

(H1 2023: 10.6 billion EUR / -8%)

NET INCOME

(incl. non-controlling interests)

224 MEUR

(H1 2023: 222 MEUR / +1%)

WORLD MARKET LEADER WITH FOUR BUSINESS AREAS



METALS HYDROPOWER ENVIRONMENT & ENERGY PULP & PAPER 46%* 18%* 21%* Pulp: **#1** Forming: #1 #1-2 #1-3 Paper: #3 Processing: #1-2

^{*} Share of total Group revenue 2023

[#] Global market position, estimated by ANDRITZ

CLOSE TO OUR CUSTOMERS, IN MORE THAN







COMPETENCE, COMMITMENT, PASSION – THE WHOLE TEAM STANDS FOR ANDRITZ'S SUCCESS

Around **30,000** employees within the ANDRITZ GROUP

- Approx. 64% white-collar and 36% blue-collar
- >32% are working in engineering, technology or project management





A JOURNEY OF 170 YEARS FROM A FOUNDRY TO GLOBAL TECHNOLOGY LEADERSHIP



1852

Established by Josef Körösi as a foundry and machine works

1922

Foundation of ANDRITZ apprentice workshop

1948

Expanded to big turbines (Escher-Wyss) 1951

Start of manufacturing of complete paper machines



ANDRITZ China founded

2000

Pulp technology (Ahlström Machinery) 2001

ANDRITZ Brazil founded

2006

Hydropower (VA TECH Hydro)

Advanced metals technology

2013

(Schuler Group)

2018

Fabrics and Rolls (Xerium Technologies)

Battery production (Sovema)





2022

























OWNERSHIP

Established Gutmann by Josef Group Körösi

1852

1900

1938-1949

Expropriation Creditanstalt-Bankenverein

1950

1987 AGIV AG

Financial investors and the Custos private foundation

1999

IPO - Listing on

2001

the Vienna Stock Exchange



2003

Custos private foundation increased its stake to 30%

Wolfgang Leitner former CEO of ANDRITZ

WE EXPAND OUR PORTFOLIO IN ALL BUSINESS AREAS



Acquisitions by business area since 2002

PULP	& PAPER			META	ALS	HYDR	OPOWER	ENVIR	ONMENT & ENERGY
2002	ABB Drying	2012	AES	2002	SELAS SAS Furnace Div.	2006	VA TECH HYDRO	2002	3SYS
2003	IDEAS Simulation	2013	MeWa	2004	Kaiser	2007	Tigép	2003	Fiedler
2003	Acutest Oy	2016	SHW CastingTech	2005	Lynson	2008	GE Hydro business	2004	Bird Machine
2004	EMS (JV)	2017	Paperchine	2008	Maerz	2010	GEHI (JV)	2004	NETZSCH Filtration
2005	Cybermetrics	2018	Novimpianti	2012	Bricmont	2010	Precision Machine	2004	Fluid Bed Systems
2005	Universal Dynamics Group	2018	Diatec	2012	Soutec	2010	Hammerfest Strøm	2005	Lenser Filtration
2006	Küsters	2018	Xerium	2013	Schuler	2011	Hemicycle Controls	2006	CONTEC Decanter
2006	Carbona	2019	Kempulp	2013	FBB Engineering	2018	НМІ	2009	Delkor Capital Equipment
2006	Pilão	2020	Enviroburners	2014	Herr-Voss Stamco			2010	KMPT
2007	Bachofen + Meier	2021	Laroche	2016	Yadon			2010	Ritz
2007	Sindus	2022	Bonetti Group	2016	AWEBA			2011	AE&E Austria (Clean Air Technologies)
2008	Kufferath	2022	ĐURO ĐAKOVIĆ TEP	2018	Farina Presse			2012	Gouda
2009	Rollteck	2023	Dan-Web	2018	ASKO			2013	Shende Machinery
2010	Rieter Perfojet	2023	SciTech Service	2022	Sovema Group			2015	Euroslot
2010	DMT/Biax	2023	Imagine That Inc.					2016	ANBO
2011	AE&E Austria (Boiler)	2024	NAF					2021	GE Steam Power
2011	Iggesund Tools	2024	Procemex					2022	J. Parpala
2011	Tristar Industries							2023	Dedert
2011	Asselin-Thibeau								

OUR STRATEGY: LONG-TERM PROFITABLE GROWTH









LONG-TERM PROFITABLE GROWTH



- Grow revenue
- Grow profitabilty
- Grow service share

REDEFINING THE FUTURE: UNLEASHING OUR INNOVATION ENGINE





DECARBONIZATION: WE ENABLE THE GREEN TRANSITION



- Developing economically feasible key technologies for the green transition
- Providing full life cycle services from project development to operation and maintenance
- We offer solutions for:
 - carbon capture
 - production of green hydrogen
 - production of renewable fuels
 - battery production for e-mobility
 - textile recycling















DIGITALIZATION: SUPPORTING CUSTOMERS THROUGHOUT PLANT LIFE CYCLE



Maximize plant process performance



Maximize the value of data – from raw data to plant insights



Maximize productivity, efficiency and availability for all assets



Proactively manage digital security risks

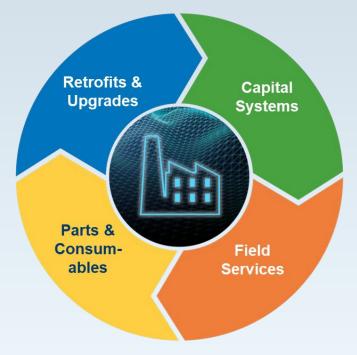


Boost customer expertise and reduce risk to people, plant, and investment



CUSTOMER SERVICE: SUCCESS THROUGH OUR LIFE CYCLE SOLUTIONS

We service our customers at every step, ensuring them high product quality, output, and uptime through quick response time and cost-competitive, efficient life cycle solutions.





"WE CARE" - OUR ESG PROGRAM



Sustainability is an integrated part of our corporate policy – we are committed to the SBTi (Science Based Targets initiative) to further reduce our greenhouse gas emissions by 2030

Ε

ENVIRONMENT

Reduce our

CO₂ footprint,
save resources and
develop sustainable
technologies

S

SOCIAL

Ensure a safe and viable future for our employees

G

GOVERNANCE

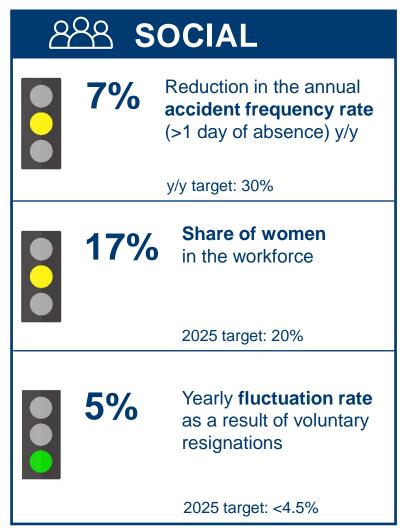
Pursue fair and ethical business practices



WELL ON TRACK TO REACH OUR ESG GOALS STATUS AT THE END OF 2023



EN'	ENVIRONMENT					
45%	Share of revenue from sustainable solutions and products					
	2025 target: 50%					
18%	Reduction in water consumption					
	2025 target: 10%*					
36%	Reduction in greenhouse gas emissions (Scope1+2)					
	2025 target: 50%*					
19%	Reduction in waste volume					
	2025 target: 10%*					





OUR GOAL IS ZERO OCCUPATIONAL INJURIES AND ILLNESSES





TARGET 2024

Reduce the LTAFR* BY FURTHER 30% to 1.9

We are **constantly improving** and **monitoring** our safety performance.

- LTAFR reduced from 10.2 in 2016 to 2.7 in 2023
- Have all employees working under ISO 45001 certification
- Guarantee a safe, healthy and comfortable working environment for all

^{*} The lost time accident frequency rate (LTAFR) is the number of accidents, causing more than one day absence, per one million working hours

OUR MISSION, VISION AND VALUES



We love what we do and we do everything to make sure that our customers succeed.



ENGINEERED SUCCESS

OUR MISSION

We drive the success of our customers through innovative and quality engineering and services, and we form strong and sustainable relationships – with a positive impact for key industries and for the planet. The world keeps changing, our passion stays the same.

OUR VISION

In our chosen markets, we are global leaders with a passion for innovative engineering solutions. As technology and quality leader, we create sustainable value for our customers and shareholders, thus ensuring the continuation of our longterm profitable growth.

OUR VALUES

We at ANDRITZ all share the same core values that define how we act and what we stand for.





Partnership





Perspectives

Versatility

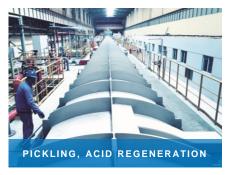
METALS ENGINEERED SUCCESS FOR FLAT PRODUCT PROCESSING **JULY 2024**

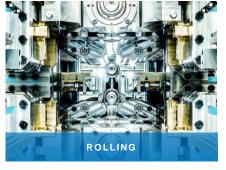
ANDRITZ METALS



Carbon and stainless steel, aluminum and copper





















FUNDMENTALS OF OUR EXCELLENCE



Soutec AG

Schuler AG

Selas France SA

Thermtec

FBB GmbH

Lynson

United Utilities

ASKO

Sundwiger Eisenhütte Maschinenfabrik

Herr-Voss Stamco

MAERZ-Gautschi Industrieofenanlagen GmbH

Davy-Swindell

Otto Kaiser GmbH

HiTEQ

Ruthner AG

Bricmont Inc.

Nisterhammer

ANDRITZ METALS CAPABILITIES



FINDING SOLUTIONS TO ANY CHALLENGE!

A reliable partner for the production and processing of stainless steel, carbon steel and non-ferrous metals with strong focus on

- Health, Safety and Environment
- Sustainability
- Research and development
- Project and site management
- Manufacturing and engineering
- Automation and digitalization
- Life-cycle full service





ANDRITZ METALS HEALTH, SAFETY AND ENVIRONMENT

 All locations of ANDRITZ Metals are already part of matrix certification, for the integrated QHSE Management System acc. to ISO 9001, ISO 14001 and ISO 45001.







- When it comes to workplace safety, our goal is simple we do not want injuries or accidents at any time
- Safety begins with each individual employee. We never take risks that could endanger ourselves or others during our jobs
- We strive to eliminate accidents in all of our facilities by ensuring a safe and healthy work environment and by looking for ways to continuously improve
- We comply with all safety laws and believe that safety comes before anything else







ANDRITZ "Safety First" program implemented at site

- Strong cooperation between all contractors at site
- High management commitment
- Strict control of site works to increase installation quality, safety and health of on-site staff
- Permanent high management compliance workgroup
- Extremely geed safety numbers during the projects



SUSTAINABILITY - VISION

Sustainability is the main driver for innovation.

Strategic Focus:

- CO₂ emission reduction
- NO_x reduction
- Digitalization

Sustainability and customer focused service and technology leader for flat product processing

smarter cleaner greener

ANDRITZ METALS RESEARCH AND DEVELOPMENT



Our innovation portfolio is based on the following focus areas:

- Environmentally sustainable production, circular economy: solutions for recycling waste acid and waste water, reducing CO₂ and NO_x emission and contributing to a toxic free environment
- Lightweight material for the automotive industry: new process technologies to produce also future generations of AHSS, TWBs and aluminum grades
- Digitalization: We combine domain know-how with automation and digitalization expertise! The four main pillars are increase asset value, increase product quality, improve production performance and secure sustainable production.



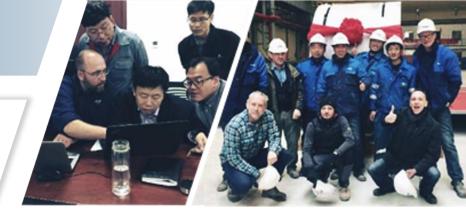
7 R&D centers in Europe and USA

ANDRITZ METALS PROJECT AND SITE MANAGEMENT



PROJECT MANAGEMENT

- Project set up with interdisciplinary international teams led by experienced project managers
- Coordination of design engineering and interfaces with customer and suppliers
- Effective communication with all involved parties and project stakeholders
- Professional document management
- Time scheduling and progress reporting for on-time delivery
- Efficient installation, commissioning and start-up





ANDRITZ METALS PROJECT AND SITE MANAGEMENT



SITE MANAGEMENT

- Wide range of site jobs ranging from very small field service orders to large scale full installation contracts
- Most capital contracts include:
 - Only supervision service
 - Installation in customer scope
- Couple of full installation / EPC contracts
- Typical large capital project:
 - Approx. 5000 SV man-days
 - Approx. MEUR 10-20 installation costs
- 100 specialized site supervisors globally







ANDRITZ METALS MANUFACTURING AND ENGINEERING



BENEFIT FROM OUR MANUFACTURING CAPABILITIES!

- Consistent technological development
- Consistent improvement of reliability
- Quality
- Service (upgrades, rebuilds, spare & wear parts)

STRATEGY

- Production of key components
- High- and consistent quality due to ANDRITZ manufacturing standard
- Excellent in engineering, design and planning



ANDRITZ METALS AUTOMATION



THE RIGHT CLICK FOR YOUR PLANT!

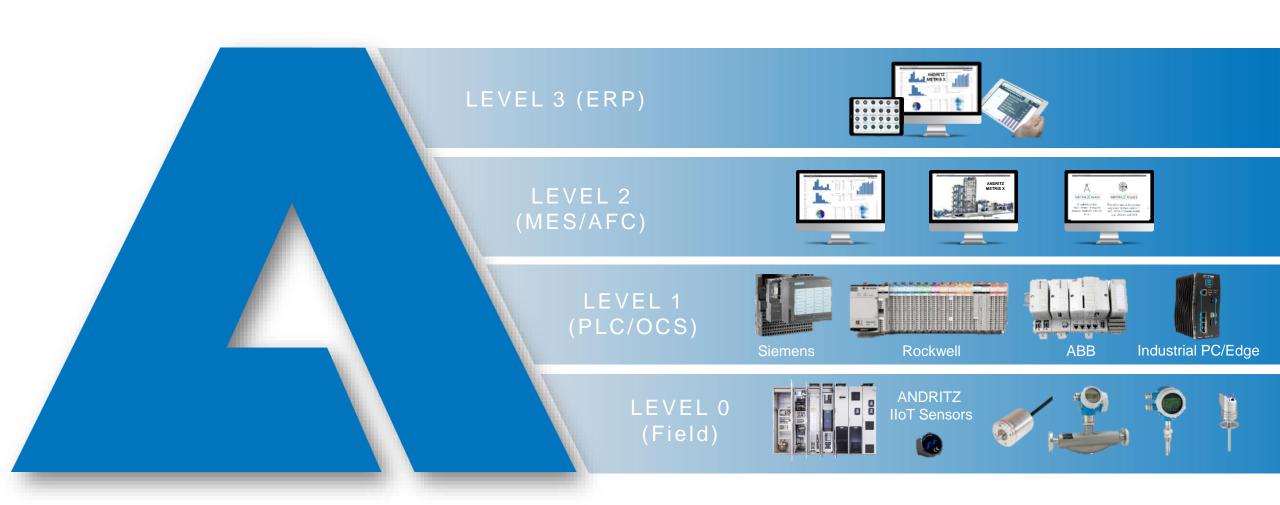
Functional, reliable and safety Electric and Automation systems from in-house automation know-how combined with expertise in process and mechanical design.

- Complete automation solutions from one source
- State of the art and consistent
- Short start-up times
- Smooth operations of ANDRITZ plants and technologies
- Supported by simulation models, digital twins, advanced process control technologies, and special sensors.
- Comprehensive lifetime services
- Global services network
- Industry 4.0 READY





ANDRITZ METALS AUTOMATION



ENGINEERED SUCCESS FOR FLAT PRODUCT PROCESSING

ANDRITZ combines domain know-how with automation and digitalization expertise!

Domain know-how

150+ years experience with more than 1040 processing lines, 342 rolling mills, 330 furnaces in the carbon steel, stainless steel, aluminum, welding and stamping industry.



Automation

Integrated technology solutions for our domain products with more than 35 years of experience in using automation software independent of the automation hardware supplier, e.g. Siemens, ABB, Rockwell, Yokogawa, and many more.



Digitalization

Metis UX platform with more than 50 apps for optimizing the quality and performance of our customers production with more than 50 reference







INTELLIGENT FLAT PRODUCT PROCESSING



For a world-class, flat steel producer who delivers the product exactly as requested, on time and with consistent quality

Increase asset value



- Risk-based maintenance
- Condition monitoring
- Anomaly detection
- Process change tracking
- Logbook
- Digital twin

Increase asset availability by up to 25%

- > 50 references, thereof
- > 15 in Metals

Increase product quality



- Intelligent CGL
- Coil quality mgmt.
- Data analytics
- Advanced furnace control
- Process model (picking, annealing)
- Intelligent rolling mill optimization
- Control performance assessment (CPA)

Minimize yield losses by up to 5%

- > 60 references, thereof
- > 45 in Metals

Improve production performance



- Manufacturing execution system (MES)
- Overall equipment efficiency (OEE)
- Cost/resource management
- Statistical process control (SPC)
- Plant floor management
- Alarm management
- Control performance assessment (CPA)
- Production information (PID)

Increase production output by up to 15%

- > 40 references, thereof
- > 20 in Metals

Secure sustainable production



- Utility and energy consumption
- Emission reduction (CO₂, NOx)
- Intelligent acid management
- Cyber security

CO₂ reduction by up to 25%

- > 30 references, thereof
- > 15 in Metals

ANDRITZ METALS LIFE CYCLE FULL SERVICE

SERVICE ABILITY

- Outstanding service product portfolio from spare parts to mill-wide maintenance outsourcing agreements
- Close cooperation with the mill's and service center operation and maintenance personnel
- Contribute to improved reliability, availability, and production while reducing overall operating costs

Service products and solutions

- Automation & control
- Engineered wear products
- Mill improvement
- Studies & field services
- Mill maintenance

- Remote Assistance
- Spare & replacement parts
- Upgrades & modernizations
- Rebuild & Retrofits
- Tooling



ANDRITZ METALS WORLDWIDE





ANDRITZ METALS NEWS





2024/06/12

ANDRITZ starts up new surface treatment line for aluminum strip at AMAG

International technology group ANDRITZ has successfully completed the delivery, installation, and start-up of the new continuous surface treatment line and integrated wastewater treatment plant at AMAG rolling GmbH in Ranshofen, Austria. Read more



2024/03/19

ANDRITZ to supply new pickling section for heavy-duty push pickling line to Salzgitter Flachstahl, Germany International technology group ANDRITZ has received an order from Salzgitter Flachstahl, Salzgitter, Germany, to supply a new pickling section for the existing push pickling line designed for heavy-duty steel grades. Read more



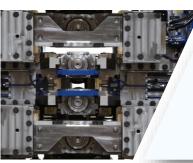
2023/09/20

Salzgitter orders one of Europe's largest green hydrogen plants from ANDRITZ

The Salzgitter Group has selected technology group ANDRITZ to supply one of Europe's largest green hydrogen plants for the SALCOS® program, which aims to achieve virtually CO₂-free (green) steel production. Read more

ANDRITZ METALS NEWS





2023/09/06

ANDRITZ to supply new 6-high cold rolling mill to ArcelorMittal, France

International technology group ANDRITZ has received an order from ArcelorMittal, France, to supply a reversible 6-high cold-rolling mill for processing high grade non-oriented silicon steel strip (NGO) for use in electric motors. Read more



2023/07/25

ANDRITZ wins first order in green hydrogen sector

Koppö Energia of Finland has selected international technology group ANDRITZ to perform the Front-End Engineering Design (FEED) for a large-scale plant to produce green hydrogen. Read more



2023/06/26

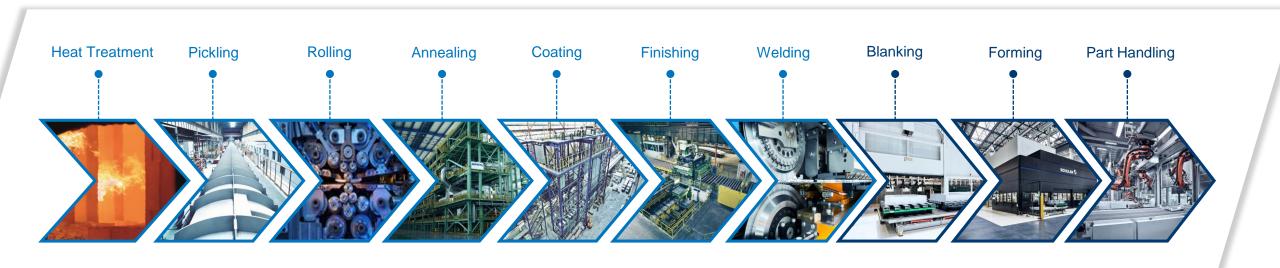
ANDRITZ to supply seven car bottom furnaces to Sheffield Forgemasters, England

International technology group ANDRITZ has received an order from Sheffield Forgemasters, England, to supply seven new car bottom furnaces for UK's largest open die forge. Read more

ANDRITZ METALS – SCHULER



Entire process chain from hot rolled strip to finished parts



ANDRITZ METALS core competences

Processing lines steel and aluminum strips, industrial furnace systems, and welding systems

Schuler core competences
Press shop solutions

LEGAL DISCLAIMER



© ANDRITZ AG 2024

This presentation contains valuable, proprietary property belonging to ANDRITZ AG or its affiliates ("the ANDRITZ GROUP"), and no licenses or other intellectual property rights are granted herein, nor shall the contents of this presentation form part of any sales contracts which may be concluded between the ANDRITZ GROUP companies and purchasers of any equipment and/or systems referenced herein. Please be aware that the ANDRITZ GROUP actively and aggressively enforces its intellectual property rights to the fullest extent of applicable law. Any information contained herein (other than publically available information) shall not be disclosed or reproduced, in whole or in part, electronically or in hard copy, to third parties. No information contained herein shall be used in any way either commercially or for any purpose other than internal viewing, reading, or evaluation of its contents by recipient and the ANDRITZ GROUP disclaims all liability arising from recipient's use or reliance upon such information. Title in and to all intellectual property rights embodied in this presentation, and all information contained therein, is and shall remain with the ANDRITZ GROUP. None of the information contained herein shall be construed as legal, tax, or investment advice, and private counsel, accountants, or other professional advisers should be consulted and relied upon for any such advice.

All copyrightable text and graphics, the selection, arrangement, and presentation of all materials, and the overall design of this presentation are © ANDRITZ GROUP 2024. All rights reserved. No part of this information or materials may be reproduced, retransmitted, displayed, distributed, or modified without the prior written approval of Owner. All trademarks and other names, logos, and icons identifying Owner's goods and services are proprietary marks belonging to the ANDRITZ GROUP. If recipient is in doubt whether permission is needed for any type of use of the contents of this presentation, please contact the ANDRITZ GROUP at welcome@andritz.com.