



EMPOWERING TOMORROW - TODAY!



Turning challenges into sustainable solutions

ANDRITZ ENVIRONMENT & ENERGY

- Supports its customers in achieving their goals
- Is dedicated to environmental responsibility
- Works towards a clean and more sustainable world
- Leverages on existing expertise and strengths
- Delivers sustainable process technologies for multiple industries to
 - Expand current markets
 - Serve the evolving needs of environmentally conscious industries and green energy sectors
- Is committed to generating sustainable value for all its stakeholders



UNMATCHED PROCESS AND ENGINEERING EXPERTISE



We provide an exceptionally broad product portfolio and are well positioned in our markets





Mechanical & thermal separation equipment and systems for the environment, chemicals, mining & minerals and food & beverage industries.

FEED & BIOFUEL ~EUR 2 bn*



Processing solutions and equipment for feed, pet food and biofuel industries.

PUMPS ~EUR 5 bn*



Premium pumping technology for water, pulp & paper, power and general industries.

CLEAN AIR TECHNOLOGIES ~EUR 2 bn*



Emission reduction technologies including carbon capture solutions.

GREEN HYDROGEN ~EUR 3 bn*



Green hydrogen, renewable fuels and P2X solutions.

Cutting-edge automation and digitalization + comprehensive and reliable services worldwide.

50%**

#1-3 in mechanical/thermal separation (dewatering & drying)

#1-3 in animal feed

and biomass

18%**

#2-3 in pulp & paper and desalination

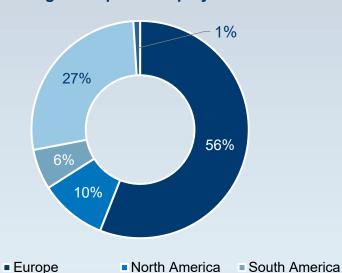
#1 in lime_/lim

#1 in lime-/limestone-based Flue Gas Treatment, globally. **#1-3** in dedusting, EMEA n.a. (emerging market)

RESOURCES AND VOLUME GLOBALLY WELL BALANCED



Regional split of employees



EMERGING MARKETS

Revenue: 52%Employees: 42%

DEVELOPED MARKETS

Revenue: 48%Employees: 58%

4,300 EMPLOYEES:

Asia

- 30% Technology, engineering, project management
- 30% Sales and marketing, administration

Rest of World

40% Manufacturing





■ Europe ■ North America ■ South America ■ Asia ■ Rest of World







Meeting the needs of environmentally conscious industries and green energy sectors

OUR TECHNOLOGIES ARE PAVING THE WAY FOR BREAKTHROUGH SOLUTIONS FOR MULTIPLE INDUSTRIES AND PROCESSES SUCH AS

- Water management
- Desalination
- Irrigation
- Waste/sludge-to-value
- Battery-related mining
- Food and feed valorization
- Biofuel
- Air emissions reduction
- P2X





REVIEW CMD 2021



What did we promise / What have we achieved?

TARGET	STATUS			
Further establish ANDRITZ as a premium brand in the market and participate in megatrends, e.g. alternative proteins and e-mobility	 First orders received Acquisition of Dedert: Improves our readiness for growing markets such as alternative proteins and lithium processing 	Achieved		
Grow business volume to EUR 1 bn by becoming technology leader (investment in R&D pilot plant) increased launch of new products and service growth by closing white spots, investment in wear part manufacturing (global footprint), new die shop (China)	 New Food Innovation Xperience center opened in the Netherlands Launch of new products (e.g. Turbex) Service center in Nevada, USA opened Die shop in China in operation 	Achieved		
9-11% EBITA margin goal → continuation of cost control, completion of restructuring of low performing units and continuing transfer of manufacturing & engineering to best cost countries	Initiatives implementedEBITA goal achieved	Achieved		
Shift from machine supplier to process solution provider in capital and from preferred supplier to strategic business partner in service	 Acquisition of Dedert: Combined portfolio enables complete solutions from dewatering to drying for the starch, biofuel, and food industry Service level agreements implemented 	Achieved		
Gain digital leadership by implementing innovative and integrated solutions	 Organizational set-up done New Metris-based solutions implemented (e.g. Metris addIQ RheoScan) 	Ongoing		



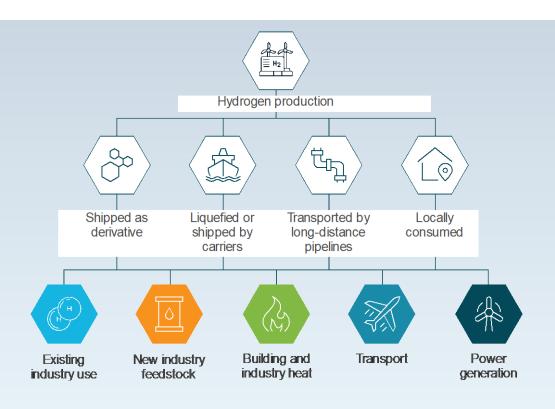
OUR MARKETS ARE GROWING, AND OVERALL DRIVERS AND TRENDS GRANT ADDITIONAL GROWTH OPPORTUNITIES

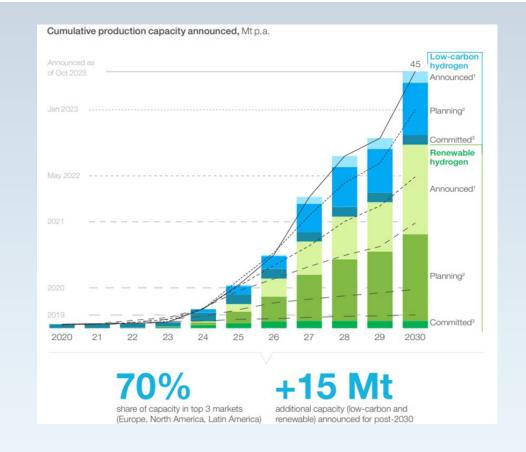


	SEPARATION	FEED & BIOFUEL	PUMPS	CLEAN AIR TECHNOLOGIES	GREEN HYDROGEN
	ANOREL	ANGRIZ	ANDRUIL		
Underlying mid-term market growth	4.5-5%	3-4%	4%	3-10% (10% incl. carbon capture market with ~15% growth per year)	25-30%
Current strong regional markets	EMEA, North America, Asia (India)	EMEA, APAC	EMEA, Asia	EMEA, North America	EMEA, Asia
Special growth opportunities	Battery minerals, waste to energy, food valorization, desalination, plastic recycling	Plant solutions, automation and digitalization, biomass, alternative proteins	Water management, desalination, efficiency driven pump upgrade, biofuel	Emission regulations, new decarbonized production processes	Renewable energy transition, plant solutions and complete life cycle services

GREEN HYDROGEN DEMAND IS EXPECTED TO GROW TO >30 MIO. TONS PER ANNUM BY 2030



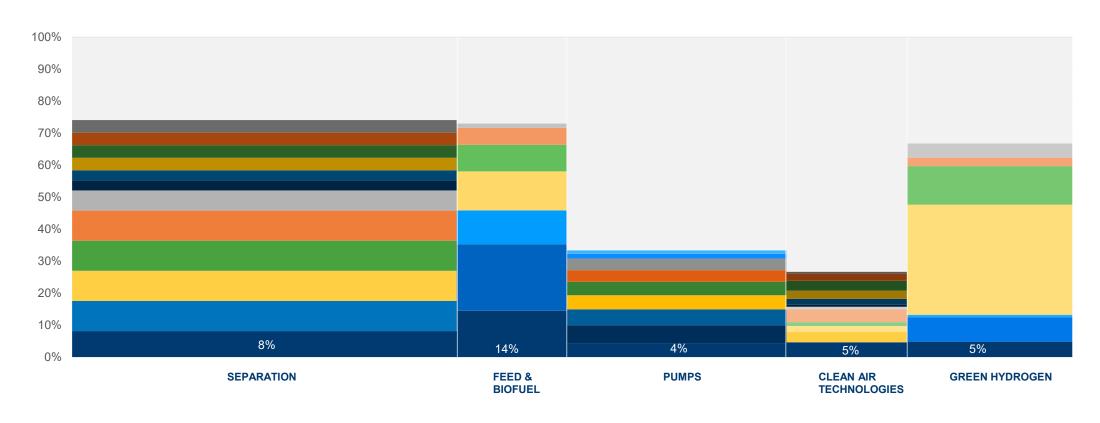




MARKET SETTING: FRAGMENTED, NOT CONSOLIDATED

A

Good growth potential







THE PILLARS OF OUR BUSINESS MODEL



- Market / customer focus
- Solution oriented
- Service driven
- Automation and digitalization
- R&D and innovation
- Operational excellence





Green hydrogen

PROJECT Salzgitter Flachstahl, Germany.

One of Europe's largest green hydrogen plants.

SCOPE 100 MW green hydrogen plant

on an EPC basis, incorporating pressurized alkaline electrolyzers from HydrogenPro

ENERGY 9,000 tons of green hydrogen per year





Carbon capture for industrial processes

PROJECT Rohrdorfer, Germany.

CO₂ capture plant in Germany based on

amins in the cement industry.

SCOPE CO₂ absorption / desorption process

OUTPUT Cement kiln producing approx. 1 Mton

clinker/year

CO₂ >2 tons captured per day,

purified and compressed for further industrial use





Municipal wastewater treatment

PROJECT Wastewater treatment plant in southwest France.

An innovative treatment process making the plant

an energy-positive biofactory, with low carbon

footprint.

SCOPE 2 screw presses (C-Press C-10050)

to pre-dewater the sludge upstream of the

hydrothermal treatment

ENERGY 13,000 MWh of energy produced

(recovered from biogas)

CO₂ up to 5,000 tons of CO₂ emissions avoided each year





Desalination

PROJECT Tseung Kwan O, Hong Kong.

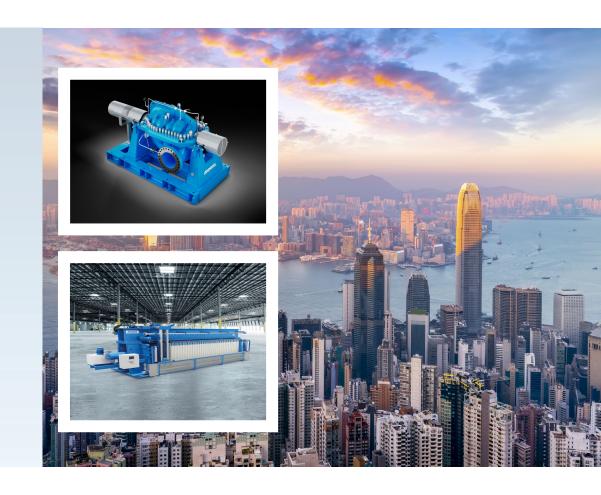
Desalination plant.

SCOPE The plant has 61 pumps and is based on

reverse osmosis. Capacity 135,000 m³/day. Two filter presses for sludge dehydration.

WATER Production ~135 million liters per day

of potable water.



R&D AND INNOVATION: GUARANTEEING SUCCESS IN OUR BUSINESS MODEL



New products / automation and digitalization / plant solutions / service

Novel solutions **Turbex**

This patented technology provides a disruptive extraction process for optimized valorization of functional nutrients.



Smart operation Metris addlQ RheoScan

This Al-powered technology detects the actual sludge viscosity during thickening and dewatering processes and accurately adjust the needed polymer dose to match changing flow rates and sludge conditions.



End-to-end value optimization Modular plant solution

This solution maintains top-notch quality and achieves cost-effectiveness in the entire 'farm to fork' process chain.



Customer care improvement **Intelligent service solutions**

Establishment of intelligent service offerings such as remote services, leasing options or service level agreements to even better support our customers worldwide for increased productivity.



TARGETS & AMBITIONS

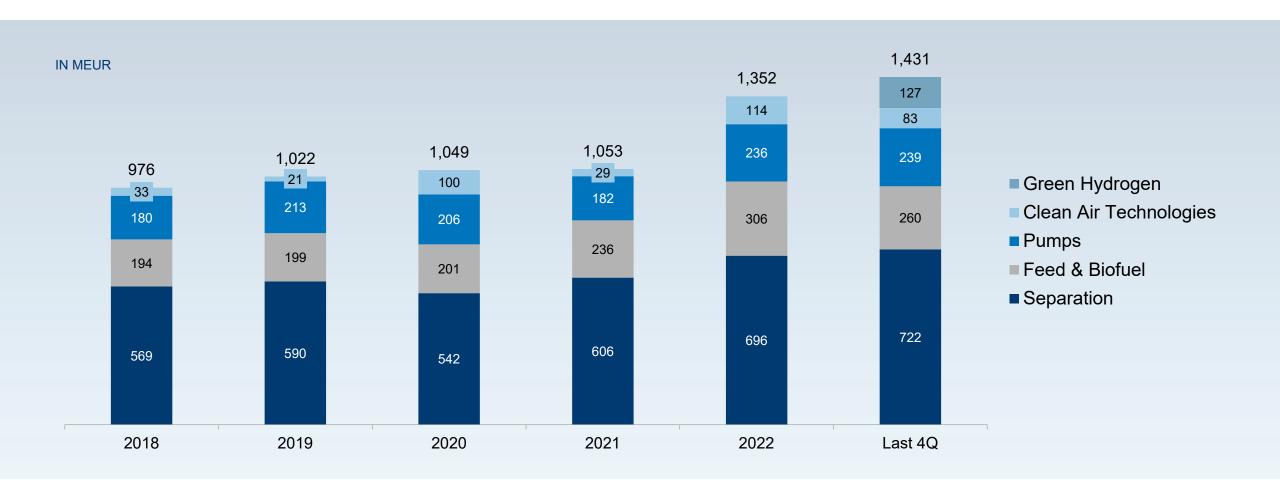


TARGETS & AMBITIONS	STRATEGIC INITIATIVES
Grow business ~10% p.a.	 Increase market share in focus industries Participate in megatrends such as green hydrogen Partner with our customers to achieve common strategic targets Further extend scope from single equipment to plant solutions Provide automation and digital solutions Expand product portfolio through R&D and innovation
EBITA target of 10%-13%	 Grow service business with improved customer proximity Value based pricing Continue transfer of manufacturing & engineering to best cost countries Improve project execution
Establish ANDRITZ as a premium brand in environment and energy sectors	 Further expand our product portfolio for sustainable solutions Offer integrated solutions like P2X in various industries Targeted complementary M&A



ORDER INTAKE





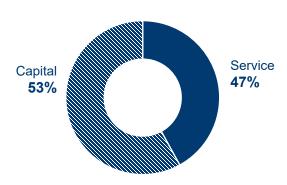
FINANCIAL DEVELOPMENT



FINANCIAL OVERVIEW									
in MEUR	2018	2019	2020	2021	2022	last 4Q			
Order Intake	976	1,022	1,049	1,053	1,352	1,431			
Order backlog (as of end of period)	791	784	854	909	1,077	1,248			
Revenue	982	998	941	1,011	1,177	1,265			
EBITA	53	69	90	109	139	147			
EBITA margin in %	5.4%	6.9%	9.5%	10.8%	11.8%	11.6%			

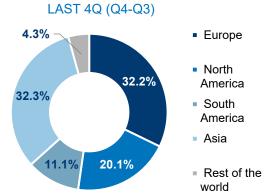
REVENUE SPLIT CAPITAL / SERVICE

LAST 4Q (Q4-Q3)

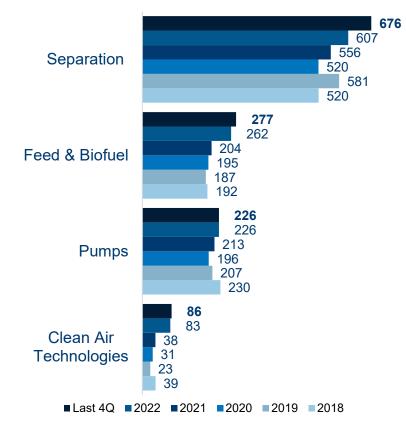


REVENUE BY REGION

LAST 40 (04 00)



REVENUE BY SEGMENT



Note: Green Hydrogen OI >100 Mio Euro; no revenue recognition yet

FINANCIAL TARGETS & AMBITIONS









WELL POSITIONED FOR PROFITABLE BUSINESS DEVELOPMENT

- Global presence including service network
- Proven track record and good growth potential in core segments and megatrends
- Strong positioning in emerging markets and promising market segments with high demand
- Well-balanced portfolio, combining stable established businesses with a focus on future businesses with new technologies
- Technological leadership
- Broad product portfolio to serve growing environmental and energy sectors
- Financial strength of the ANDRITZ Group





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