## COMPANY PRESENTATION

## ANDRITZ GROUP

DECEMBER 2019

## ANPBy

ENGINEERED SUCCESS

## CHAPTER OVERVIEW

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## THE ANDRITZ GROUP

ANDRITZ is a globally leading supplier of plants, equipment, systems and services for hydropower stations, the pulp and paper industry, the metalworking and steel industries, and solid/liquid separation in the municipal and industrial sectors as well as for animal feed and biomass pelleting

## Global presence

Headquarters in Graz, Austria; over 280 production sites and service/sales companies worldwide

KEY FINANCIAL FIGURES:

|  | UNIT | Q1-Q3 2019 | $\mathbf{2 0 1 8}$ |
| :--- | ---: | ---: | ---: |
| Order intake | MEUR | $5,799.1$ | $6,646.2$ |
| Order backlog (as of end of period) | MEUR | $8,120.7$ | $7,084.3$ |
| Sales | MEUR | $4,752.6$ | $6,031.5$ |
| Net income (including non-controlling interests) | MEUR | 40.7 | 219.7 |
| Employees (as of end of period; without apprentices) | - | 29,690 | 29,096 |

## A WORLD MARKET LEADER WITH FOUR BUSINESS AREAS



## LONG-TERM GROWTH BASED ON ACQUISITIONS AND ORGANIC EXPANSION

Compound Annual Growth Rate (CAGR) of Group sales 2009-2018:
$+7 \%$ p.a. (thereof approximately half from organic growth)


## STRENGTHENING OF MARKET POSITION BY ACQUISITIONS

Acquisitions by business area since 2000

| HYDRO |  | PULP \& PAPER |  |  |  | METALS |  | SEPARATION |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | VA TECH HYDRO | 2000 | Ahlstrom Machinery | 2010 | Rieter Perfojet | 2000 | Kohler | 2000 | UMT |
| 2007 | Tigép | 2000 | Lamb Baling Line | 2010 | DMT/Biax | 2002 | SELAS SAS Furnace Div. | 2002 | 3SYS |
| 2008 | GE Hydro business | 2000 | Voith Andritz Tissue | 2011 | AE\&E Austria | 2004 | Kaiser | 2004 | Bird Machine |
| 2010 | GEHI (JV) | 2002 | ABB Drying | 2011 | Iggesund Tools | 2005 | Lynson | 2004 | NETZSCH Filtration |
| 2010 | Precision Machine | 2003 | IDEAS Simulation | 2011 | Tristar Industries | 2008 | Maerz | 2004 | Fluid Bed Systems |
| 2010 | Hammerfest Strom | 2003 | Acutest Oy | 2011 | Asselin-Thibeau | 2012 | Bricmont | 2005 | Lenser Filtration |
| 2010 | Ritz | 2003 | Fiedler | 2012 | AES | 2012 | Soutec | 2006 | CONTEC Decanter |
| 2011 | Hemicycle Controls | 2004 | EMS (JV) | 2013 | MeWa | 2013 | Schuler (> 95\%) | 2009 | Delkor Capital Equipment |
| 2018 | HMI | 2005 | Cybermetrics | 2015 | Euroslot | 2013 | FBB Engineering | 2009 | Frautech |
|  |  | 2005 | Universal Dynamics Group | 2016 | SHW Casting Technologies | 2014 | Herr-Voss Stamco | 2010 | KMPT |
|  |  | 2006 | Küsters | 2017 | Paperchine | 2016 | Yadon (52.9\%) | 2012 | Gouda |
|  |  | 2006 | Carbona | 2018 | Novimpianti | 2016 | AWEBA | 2013 | Shende Machinery |
|  |  | 2006 | Pilão | 2018 | Diatec (70\%) | 2017 | Powerlase (80\%) | 2016 | ANBO |
|  |  | 2007 | Bachofen + Meier | 2018 | Xerium | 2018 | Farina Presse |  |  |
|  |  | 2007 | Sindus | 2019 | Kempulp | 2018 | ASKO |  |  |
|  |  | 2008 | Kufferath |  |  |  |  |  |  |
|  |  | 2009 | Rollteck |  |  |  |  |  |  |

[^0]
## LONG-TERM EBITA MARGIN GOALS BY BUSINESS AREA



METALS


```
Long-term goal:
8.5-9.0\%
NEW
7.0-8.5\%
```



SEPARATION

Long-term goal: 7.0-8.0\% NEW 9.0-10.0\%


Long-term goal:
8.0-9.0\% NEW 7.0-8.0\%

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## SIGNIFICANT INCREASE OF ORDER INTAKE IN Q3 2019

Pulp \& Paper strongly up due to large pulp mill order

ORDER INTAKE Q3 2019 (IN MEUR)

thereof ~111 MEUR Xerium

ORDER INTAKE BY BUSINESS AREA (IN MEUR)

|  | Q3 2019 | Q3 2018 | +/- |
| :--- | ---: | ---: | ---: |
| Pulp \& Paper | 1,163 | 546 | $+113 \%$ |
| Metals | 429 | 457 | $-6 \%$ |
| Hydro | 343 | 303 | $+13 \%$ |
| Separation | 159 | 164 | $-3 \%$ |


|  |  |  |  |
| :--- | ---: | ---: | ---: |
| Q1-Q3 2019 | Q1-Q3 2018 | + +- |  |
| Pulp \& Paper | 3,089 | 1,726 | $+\mathbf{7 9 \%}$ |
| Metals | 1,239 | 1,403 | $-12 \%$ |
| Hydro | 945 | 1,056 | $-11 \%$ |
| Separation | 527 | 552 | $-5 \%$ |

ORDER INTAKE Q1-Q3 2019 (IN MEUR)


## QUARTERLY DEVELOPMENT OF ORDER INTAKE

Aggregated order intake of the last four quarters amounts to ~7.7 bn. EUR


## GROUP SALES DRIVEN BY PULP \& PAPER

SALES Q3 2019 (IN MEUR)


SALES Q1-Q3 2019 (IN MEUR)


## SERVICE BUSINESS CONTINUES TO GROW

Quarterly development of service sales (in MEUR)



[^1]
## SERVICE BUSINESS BY BUSINESS AREA

\% of total business area sales

PULP \& PAPER


METALS


HYDRO


SEPARATION


ANDRITZ Fabrics and Rolls provides machine clothings and roll covers for paper, tissue, and board machines.


## GROUP ORDER BACKLOG REACHED HIGHEST LEVEL IN COMPANY HISTORY

Upward trend since end of 2017

ORDER BACKLOG (AS OF END OF PERIOD; IN MEUR)


ORDER BACKLOG Q3 2019 BY BUSINESS AREA (IN \%)


- Order backlog at the end of Q3 2019 was approx. 1.2 bn EUR higher than at the end of 2018, mainly driven by Pulp \& Paper
- Hydro and Pulp \& Paper account for $75 \%$ of total order backlog


## EARNINGS AND PROFITABILITY IMPACTED BY RESTRUCTURING MEASURES IN Q3 2019

EBITA margin excluding extraordinary items practically unchanged

EBITA (IN MEUR) AND EBITA MARGIN (IN \%)


- Practically stable profitability excluding extraordinary items
- Q3 2019: ~-95 MEUR restructuring measures and capacity adjustments
- Metals: ~-84 MEUR
- Hydro: ~-7 MEUR
- Pulp \& Paper: ~-3 MEUR
- Separation: ~-1 MEUR

[^2]
## EARNINGS AND PROFITABILITY DEVELOPMENT Q1-Q3 2019

Significant decrease as a consequence of restructuring measures

EBITA (IN MEUR) AND EBITA MARGIN (IN \%)


[^3]** EBITA and EBITA margin adjusted by extraordinary items

## PROFITABILITY BY BUSINESS AREA



* EBITA margin reported
** EBITA margin adjusted by extraordinary items


## FURTHER IMPROVEMENT OF NET WORKING CAPITAL IN Q3 2019

Mainly driven by Pulp \& Paper and Hydro; increase in Metals

Reduction of trade accounts receivable and increase in contract liabilities


## SIGNIFICANT INCREASE IN CASH FLOW FROM OPERATING ACTIVITIES

From -85 MEUR in Q1-Q3 2018 to +439 MEUR in Q1-Q3 2019
IN MEUR


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## EBITDA - NET INCOME BRIDGE Q1-Q3 2019



IN MEUR; *: \% OF TOTAL SALES
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## KEY FIGURES Q3 2019 / Q1-Q3 2019 AT A GLANCE

## Strong cash flow generation in Q3 2019

|  |  | UNIT | Q3 2019 | Q3 2018 | +/- | Q1-Q3 2019 | Q1-Q3 2018 | +/- | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Order intake | MEUR | 2,093.9 | 1,468.7 | +42.6\% | 5,799.1 | 4,738.0 | +22.4\% | 6,646.2 |
|  | Order backlog (as of end of period) | MEUR | 8,120.7 | 6,882.8 | +18.0\% | 8,120.7 | 6,882.8 | +18.0\% | 7,084.3 |
|  | Sales | MEUR | 1,690.2 | 1,437.7 | +17.6\% | 4,752.6 | 4,200.8 | +13.1\% | 6,031.5 |
| Strong increase of cash flow mainly due to change in net working capital (increase of contract and other liabilities, reduction of trade receivables) | EBITA | MEUR | 6.4 | 85.9 | -92.5\% | 183.9 | 252.2 | -27.1\% | 394.3 |
|  | EBITA (adj. by extraordinary items) | MEUR | 101.7 | 85.9 | +18.4\% | 286.9 | 252.2 | +13.8\% | 394.3 |
|  | Net income (including non-controlling interests) | MEUR | -35.1 | 56.3 | -162.3\% | 40.7 | 156.2 | -73.9\% | 219.7 |
|  | Cash flow from operating activities | MEUR | 167.3 | 16.2 | +932.7\% | 439.2 | -85.0 | +616.7\% | 7.8 |
|  | Capital expenditure | MEUR | 34.9 | 22.1 | +57.9\% | 96.9 | 69.3 | +39.8\% | 137.0 |
|  | Liquid funds | MEUR | 1,377.0 | 1,894.9 | -27.3\% | 1,377.0 | 1,894.9 | -27.3\% | 1,279.7 |
|  | Net liquidity | MEUR | 9.8 | 517.7 | -98.1\% | 9.8 | 517.7 | -98.1\% | -99.6 |
|  | Net working capital | MEUR | 30.5 | 114.8 | -73.4\% | 30.5 | 114.8 | -73.4\% | 160.5 |

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## PULP \& PAPER (1): HIGH PROJECT ACTIVITY DESPITE SLOWDOWN OF PULP MARKETS

- Pulp

High project activity for both modernization of existing pulp mills and greenfield pulp mills

- Paper

Satisfactory market development for tissue and packaging equipment continued

- Power generating boilers

Very good project and investment activity of previous quarters continued, especially in Asia (Japan)

- Competition

Stable competitive environment


## PULP \& PAPER (2): STRONG INCREASE IN ORDER INTAKE AND SALES

Earnings and profitability at satisfactory levels


## METALS (1): UNCHANGED LOW PROJECT AND INVESTMENT ACTIVITY

Weak market conditions in both Metals Forming and Processing

- Metals Forming

Unchanged low project and investment activity due to the continuing weak international automotive market as well as due to the economic slow down in China. Only a few larger investments made by car manufacturers and their suppliers.

- Metals Processing

Sharply declining demand in all core markets. Orders placed focused mainly on technologies and plants for the production of advanced highstrength steel grades as well as for the production of aluminum for the automotive industry.

- Competition

Unchanged fierce competition


## METALS (2): EARNINGS AND PROFITABILITY SIGNIFICANTLY DOWN

Restructuring measures at Schuler booked in Q3 2019

| Order intake in Q3 2019 slightly down y/y: Up in Metals Forming, down in Metals Processing |  | UNIT | Q3 2019 | Q3 2018 | +/- | Q1-Q3 2019 | Q1-Q3 2018 | +/- | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Order intake | MEUR | 429.0 | 456.6 | -6.0\% | 1,238.8 | 1,403.3 | -11.7\% | 1,931.8 |
|  | Order backlog (as of end of period) | MEUR | 1,655.0 | 1,556.0 | +6.4\% | 1,655.0 | 1,556.0 | +6.4\% | 1,591.6 |
| Increase in sales in Q3 2019, mainly due to Metals Processing | Sales | MEUR | 422.7 | 400.3 | +5.6\% | 1,181.4 | 1,142.7 | +3.4\% | 1,635.1 |
|  | EBITDA | MEUR | -51.3 | 19.1 | -368.6\% | -35.5 | 51.2 | -169.3\% | 57.8 |
|  | EBITDA margin | \% | -12.1 | 4.8 | - | -3.0 | 4.5 | - | 3.5 |
| Earnings and profitability significantly down due to restructuring measures of ~84 MEUR; EBITA and EBITA margin (excl. extraordinary effects) at unchanged low levels in Q3 2019 | EBITA (adj. by extraordinary items) | MEUR | 9.9 | 11.7 | -15.4\% | 3.7 | 29.4 | -87.4\% | 27.3 |
|  | EBITA margin (adj. by extraordinary items) | \% | 2.3 | 2.9 | - | 0.3 | 2.6 |  | 1.7 |
|  | EBITA | MEUR | -73.6 | 11.7 | -729.1\% | -80.5 | 29.4 | -373.8\% | 27.3 |
|  | EBITA margin | \% | -17.4 | 2.9 | - | -6.8 | 2.6 | - | 1.7 |
|  | Employees (as of end of period; without apprentices) | - | 7,562 | 7,687 | -1.6\% | 7,562 | 7,687 | -1.6\% | 7,818 |
|  | ORDER INTAKE BY REGION Q1-Q3 2019 VS. Q1-Q3 2018 (\%) |  |  | SALES BY REGION Q1-Q3 2019 VS. Q1-Q3 2018 (\%) |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

## NECESSARY CAPACITY ADJUSTMENTS AT SCHULER

Excluding acquisitions, total number of employees reduced by ~25\% since acquisition in 2013

## SALES (IN MEUR)



EMPLOYEES BY REGION
(AS OF END OF PERIOD)


- 60 MEUR total cost savings expected as from 2022 together with restructuring program of 2018
- First savings from restructuring expected by H2 2020
* First-time consolidation of the Schuler Group as of March 2013; pro forma
** Figure includes reduction of $\sim 500$ employees from restructuring program at the end of July
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## HYDRO (1): UNCHANGED MODERATE MARKET ENVIRONMENT

Selective award of individual projects, especially in Emerging Markets

- New hydropower plants

Some new, larger projects are currently in the planning phase, especially in Southeast Asia and Africa; selective award of individual projects likely

- Pumps

Unchanged good project activity

- Modernizations/rehabilitations

Continuing low investment activity by electric and energy utilities with many modernization and rehabilitation projects still postponed, particularly in Europe

- Competition

ANDRITZ will supply two pump turbines for the Hatta Pumped Storage Power Plant in Dubai


Stable competition at challenging level

## HYDRO (2): ORDER INTAKE UP FROM LOW LEVEL OF LAST YEAR‘S REFERENCE PERIOD

Stable earnings and profitability (excl. extraordinary effectts)

| Increase in Order intake in Q3 2019 due to booking of pumped storage power order from Dubai |  | UNIT | Q3 2019 | Q3 2018 | +/- | Q1-Q3 2019 | Q1-Q3 2018 | +/- | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Order intake | MEUR | 343.0 | 303.1 | +13.2\% | 944.8 | 1,056.2 | -10.5\% | 1,445.8 |
|  | Order backlog (as of end of period) | MEUR | 2,556.0 | 2,718.2 | -6.0\% | 2,556.0 | 2,718.2 | -6.0\% | 2,667.9 |
| Decrease in sales as a result of lower order intake in the last years | Sales | MEUR | 351.2 | 361.5 | -2.8\% | 1,026.8 | 1,085.8 | -5.4\% | 1,517.5 |
|  | EBITDA | MEUR | 29.2 | 28.7 | +1.7\% | 89.4 | 85.8 | +4.2\% | 142.4 |
|  | EBITDA margin | \% | 8.3 | 7.9 | - | 8.7 | 7.9 | - | 9.4 |
| Despite a decrease in sales, earnings and margin (excl. extraordinary effects) practically unchanged q/q. Capacity adjustment measures of $\sim 7$ MEUR booked in Q3 2019 | EBITA (adj. by extraordinary items) | MEUR | 20.9 | 21.9 | -4.6\% | 67.1 | 65.3 | +2.8\% | 113.8 |
|  | EBITA margin (adj. by extraordinary items) | \% | 6.0 | 6.1 | - | 6.5 | 6.0 | - | 7.5 |
|  | EBITA | MEUR | 13.9 | 21.9 | -36.5\% | 58.0 | 65.3 | -11.2\% | 113.8 |
|  | EBITA margin | \% | 4.0 | 6.1 | - | 5.6 | 6.0 | - | 7.5 |
|  | Employees (as of end of period; without apprentices) | - | 7,370 | 7,343 | +0.4\% | 7,370 | 7,343 | +0.4\% | 7,002 |
| ORDER INTAKE BY REGION Q1-Q3 2019 VS. Q1-Q3 2018 (\%) SALES BY REGION Q1-Q3 2019 VS. Q1-Q3 2018 |  |  |  |  |  |  |  |  |  |
|  | Emerging markets: $53 \% ~(64 \%)$ | Europe <br> North A 47\% (3 |  |  | $\begin{aligned} & \text { Emergir } \\ & \text { market } \\ & 44 \%\left(51^{\circ}\right. \end{aligned}$ |  | Europe/ <br> North Am <br> 56\% (49\%) |  |  |

## SEPARATION (1): SATISFACTORY PROJECT AND INVESTMENT ACTIVITY

Particularly for solid/liquid separation equipment

- Municipal

Investment activity at solid levels (sewage sludge dewatering and drying)

- Industrial

Solid project activity in chemicals, mining, and minerals;
investment activity in food slightly improved from low levels

- Feed and biomass pelleting

Solid project activity

- Competition

Unchanged market environment with some global and many regional competitors


ANDRITZ ArtBREW clarifier

## SEPARATION (2): FURTHER EARNINGS IMPROVEMENT

Earnings and profitability (excl. extraordinary effects) significantly up

Increase in sales due to the positive development of order intake in solid/liquid
separation in the past few quarters

Earnings and profitability (excl. extraordinary effects) up as a result of higher sales. Capacity adjustment measures of $\sim 1$ MEUR booked in Q3 2019

|  | UNIT | Q3 2019 | Q3 2018 | +/- | Q1-Q3 2019 | Q1-Q3 2018 | +/- | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Order intake | MEUR | 158.6 | 163.5 | -3.0\% | 526.5 | 552.1 | -4.6\% | 696.7 |
| Order backlog (as of end of period) | MEUR | 441.4 | 460.1 | -4.1\% | 441.4 | 460.1 | -4.1\% | 403.7 |
| Sales | MEUR | 165.7 | 162.2 | +2.2\% | 483.5 | 449.1 | +7.7\% | 645.7 |
| EBTDA | MEUR | 11.8 | 10.8 | +9.3\% | 35.5 | 27.2 | +30.5\% | 39.4 |
| EBTTDA margin | \% | 7.1 | 6.7 | - | 7.3 | 6.1 | - | 6.1 |
| EBITA (adj. by extraordinary items) | MEUR | 10.2 | 8.5 | +20.0\% | 28.1 | 20.8 | +35.1\% | 31.1 |
| EBTA margin (adj. by extraordinary items) | \% | 6.2 | 5.2 | - | 5.8 | 4.6 | - | 4.8 |
| EBTA | MEUR | 8.5 | 8.5 | 0.0\% | 25.2 | 20.8 | +21.2\% | 31.1 |
| EВTA margin | \% | 5.1 | 5.2 | - | 5.2 | 4.6 | - | 4.8 |
| Employees (as of end of period; without apprentices) | - | 2,833 | 2,849 | -0.6\% | 2,833 | 2,849 | -0.6\% | 2,841 |

ORDER INTAKE BY REGION Q1-Q3 2019 VS. Q1-Q3 2018 (\%) SALES BY REGION Q1-Q3 2019 VS. Q1-Q3 2018 (\%)


Europe/
North America:
62\% (64\%)

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## OUTLOOK: GUIDANCE FOR 2019 CONFIRMED

Largely unchanged prospects for the remaining months

## Status of general business environment:

- Slowdown of global economy
- Steel and automotive industries in strong downturn
- Nevertheless, excellent project activity in Pulp \& Paper


## Status on major ANDRITZ topics:

- Record order backlog of 8.1 bn. EUR provides solid sales visibility for 2020
- Good progress of Schuler restructuring, first visible effects from Q3 2020 onwards
- Continuing minor capacity adjustments in other business areas
- Good profitability in Pulp \& Paper, improvement in Separation, stable in Hydro, Metals break even

Guidance for 2019 confirmed:

- For 2019, ANDRITZ continues to expect a significant increase in sales compared to 2018 due to high order backlog and sales contributions by the companies acquired in 2018
- Profitability (EBITA margin) expected to reach the level of 2018 excluding extraordinary effects (EBITA margin: 6.9\%)


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[^2]:    EBITA and EBITA margin reported
    ${ }^{* *}$ EBITA and EBITA margin adjusted by extraordinary items

[^3]:    * EBITA and EBITA margin reported

