

## Agenda

Valmet roadshow presentation

1 Valmet in brief

2 Investment highlights

3 Financials

Conclusion



Valmet in brief



## Unique offering with process technology, automation and services



Mill and plant improvements, roll and workshop services, parts and fabrics, and life-cycle services



Automation

Supplies and develops automation and information management systems, applications and services



Pulp and Energy

Technologies and solutions for pulp production, power generation, and biomass conversion



### Paper

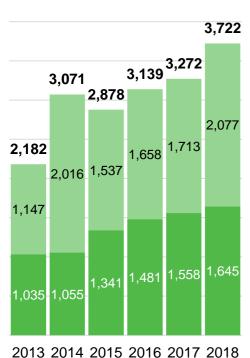
Technologies and solutions for board, tissue, and paper



## Valmet's development

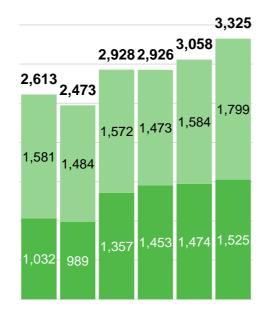
Comparable EBITA target 8-10%

Orders received (EUR million)



■ Pulp and Energy, and Paper business lines Services and Automation business lines

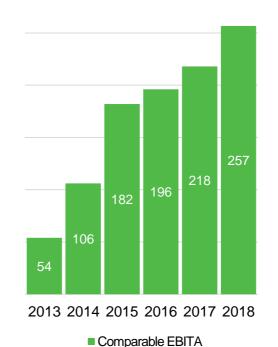
Net sales (EUR million)



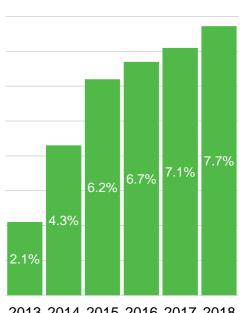
2013 2014 2015 2016 2017 2018

■ Pulp and Energy, and Paper business lines Services and Automation business lines

Comparable EBITA (EUR million)



Comparable EBITA margin (%)



2013 2014 2015 2016 2017 2018

■ Comparable EBITA margin

2013 figures on carve-out basis



## Key figures in 2018

**Orders received** EUR 3,722 million

**Net sales** EUR 3,325 million

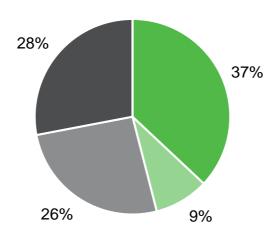
**Comparable EBITA** EUR 257 million

**Comparable EBITA margin** 7.7%

Order backlog EUR 2,829 million

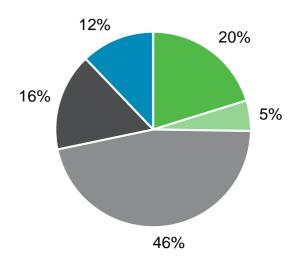
**Employees** 12,528

### Net sales by business line



- Services
- Automation
- Pulp and Energy
- Paper

### Net sales by area



- North America
- South America
- EMEA
- China
- Asia-Pacific



## Strong, global presence is a good platform for growth

More than 12,500 professionals at a total of 156 locations in 33 countries





## Process technology, services and automation

Valmet's unique offering differentiates the company from its competitors





## Significant, customer focused research and development work

### **R&D** focus areas

- Advanced and competitive technologies and services
- Raw material, water and energy efficiency
- Promotion of renewable materials

16
research and development centers

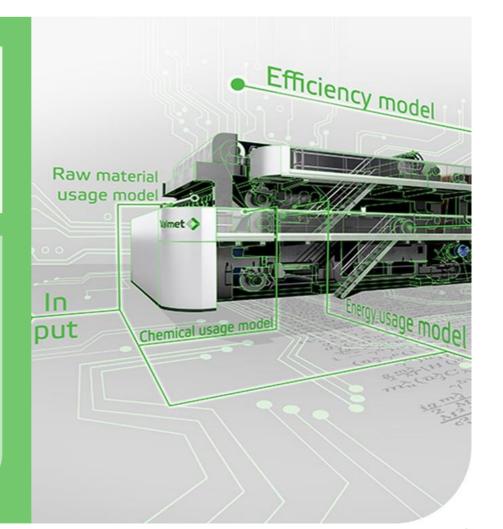


EUR **66** million R&D spending in 2018



~1,500 protected inventions







## Acknowledged leader in sustainability

360° approach to sustainability

- In Dow Jones Sustainability Index for the fifth consecutive year
- Received RobecoSAM Bronze
   Class 2019 Sustainability Award
- Achieved A rating in CDP's climate program in 2018
- In Ethibel Sustainability Index Excellence Europe













## Valmet strengthens its stable business by acquiring GL&V

- GL&V is a supplier of technologies, upgrade and process optimization services, rebuilds and spare parts for the pulp and paper industry globally
  - Focus in chemical pulping, stock preparation, papermaking and finishing
- Key locations in the US and Canada, operations also in Europe, India and South America
- The acquisition has an excellent strategic fit
  - Strengthens Valmet's global services business, complements technology offering and builds further local presence and capabilities especially in North America
- The acquisition is estimated to be completed on April 1, 2019 at the earliest
  - A majority of the acquired operations will be reported in the Services business line
  - Financed partly in cash and partly through long-term financing
- The acquisition was announced on February 26, 2019

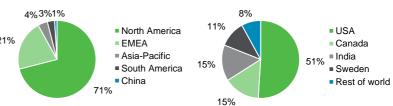
### Key information about the acquired operations

Net sales in 2018	EUR ~160 million
EBITA margin in 2018	~11%
Number of employees	~630
Value of acquisition <sup>1</sup>	EUR ~113 million

<sup>1)</sup> Value on a cash and debt free basis subject to ordinary post-closing adjustments

### Approximate split of net sales

### Approximate split of employees



### Global footprint, with largest locations in North America





## Financial targets

Growth

Profitability

- Net sales for stable business to grow over two times the market growth
- Net sales for capital business to exceed market growth

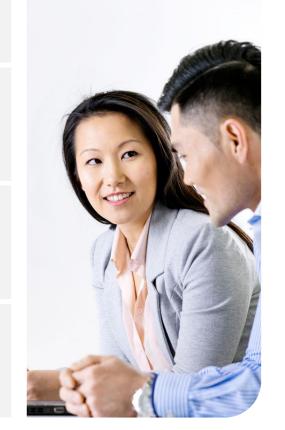
Comparable EBITA: 8–10%

ROCE

• Comparable return on capital employed (pre-tax), ROCE<sup>1</sup>: 15–20%

Dividend policy

Dividend payout at least 50% of net profit



1) ROCE (pre-tax) = (profit before taxes + interests and other financial expenses) / (balance sheet total - non-interest-bearing liabilities)



Investment highlights



## Investment highlights

- 1 Strong position in the growing market of converting renewables
- Widest offering combining process technology, services and automation in a unique way
- 3 Large stable business offering growth and profitability
- 4 Strong capital business with high market share and flexible cost structure
- 5 Systematically building the future







## Strong position in the growing market of converting renewables







## Widest offering combining process technology, services and automation in a unique way

### **Paper**

- Board, paper and tissue production lines
- Rebuilds
- Stand-alone products

### Pulp

- Wood and pulp handling
- Fiber processing
- Recovery

### Energy

- Heat and power generation
- Air emission control
- Biofuels

### **Services**

- Spare parts and components
- · Maintenance and shutdown services
- Outsourcing services
- Production consumables
- Process support and optimization



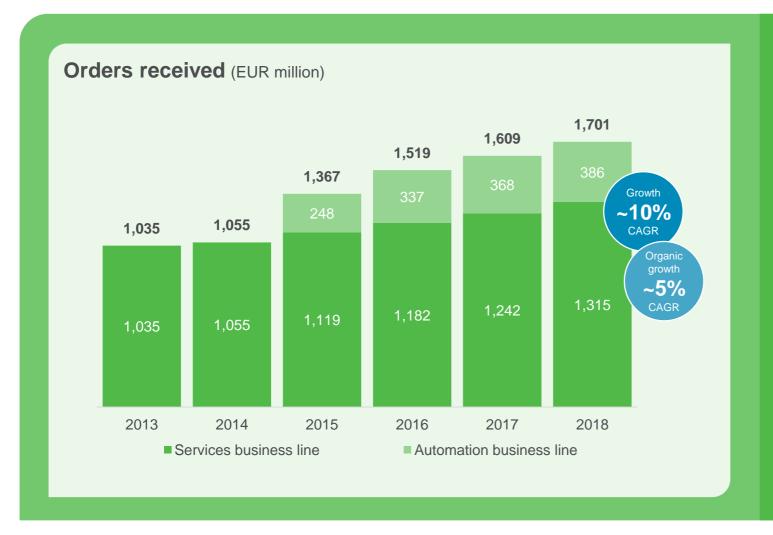
### **Automation**

- Distributed Control Systems (DCS)
- Quality Management Systems (QMS)
- · Analyzers and measurements
- Industrial Internet solutions





## Large stable business offering growth and profitability



### **Services**

- 16% market share offers room for growth
- Wide offering to support customers' all service needs
- Opportunities to win new customers and increase share of wallet with existing customers

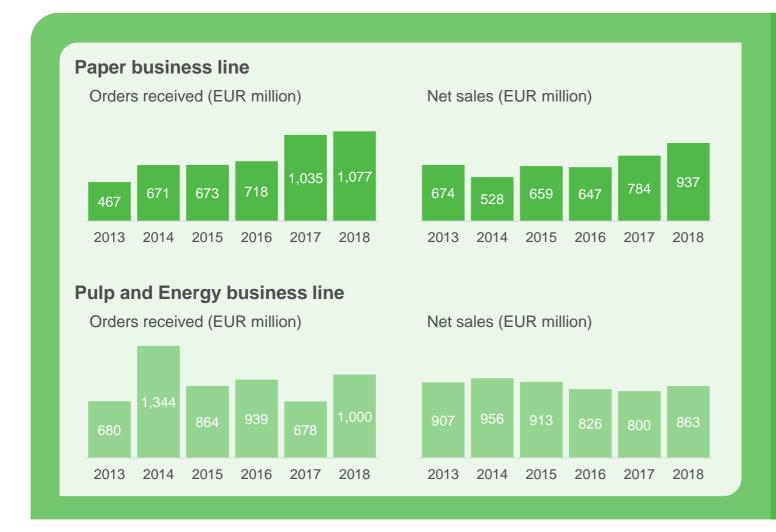
### **Automation**

- Strong as a stand-alone business as well as packaged with Valmet's equipment
- Growth possibilities through replacing competitors' installed base, entering new industries and capturing Valmet synergies
- Lead the market through Industrial Internet offering





# Strong capital business with high market share and flexible cost structure



### Market share

High market share in all businesses

Board and paper	Tissue	Pulp	Energy
~40%	~35%	~40%	~20%

### **Flexibility**

- Low capacity cost provides resilience to market fluctuations
- Capacity costs:

	2018:	2015:		
Paper	30% of net sales	<b>41%</b> of net sales		
	EUR <b>277</b> million	EUR <b>270</b> million		
Dule				
Dulo	2018:	2015:		
Pulp and	2018: 24% of net sales	2015: 24% of net sales		





## Systematically building the future

# Customer

# **Technology**

# Process

## People

- Shared Journey Forward: a unified and unique way to serve
- · Add value to customers through Industrial Internet solutions
- Ensure strong market position in capital business

### Develop new products and technologies

- Improve product cost competitiveness
- Lead the market through Industrial Internet offering
- Investing in new ERP and other new business platforms
- Continue to improve project management and project execution
- Continued focus on sustainability
- Continue to improve safety and lower LTIF
- Continuous training of employees, e.g. Sales Journey and Innovation Pathways training programs
- Building capabilities globally





## Financials



## Key figures

EUR million	Q4/2018	Q4/2017	Change	2018	2017	Change
Orders received	1,026	727	41%	3,722	3,272	14%
Order backlog <sup>1</sup>	2,829	2,458	15%	2,829	2,458	15%
Net sales	984	967	2%	3,325	3,058	9%
Comparable EBITA	113	81	39%	257	218	18%
% of net sales	11.5%	8.4%		7.7%	7.1%	
EBITA	110	69	60%	241	202	20%
Operating profit (EBIT)	102	61	69%	211	170	24%
% of net sales	10.4%	6.3%		6.4%	5.6%	
Earnings per share, EUR	0.49	0.33	51%	1.01	0.81	25%
Return on capital employed (ROCE) before taxes <sup>2</sup>				19%	14%	
Cash flow provided by operating activities	143	89	61%	284	291	-3%
Gearing <sup>1</sup>				-23%	-11%	



Items affecting comparability: EUR -3 million in Q4/2018 (EUR -12 million in Q4/2017), EUR -16 million in 2018 (EUR -17 million in 2017)

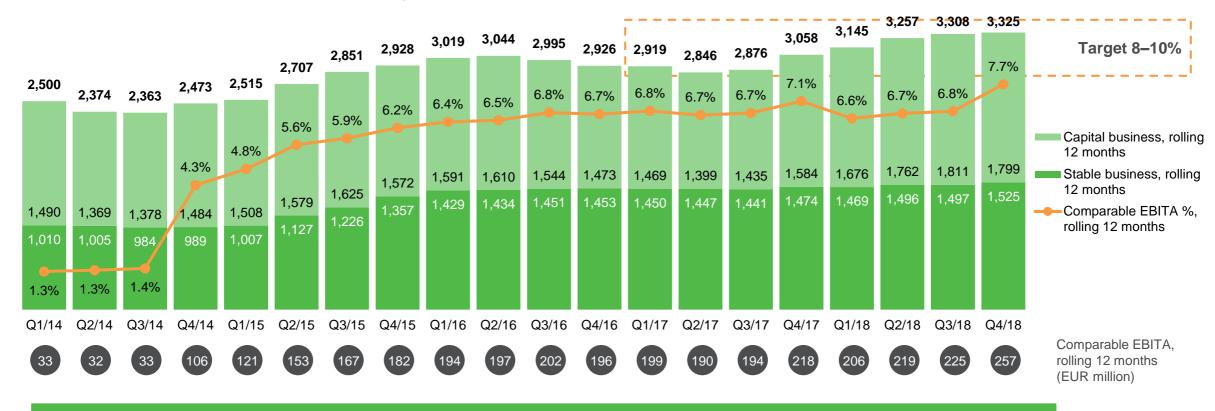


<sup>1)</sup> At the end of period

<sup>2)</sup> In the calculation of 2017 figures, non-restated data points from 2016 have been used.

## Comparable EBITA margin development

Net sales and Comparable EBITA, rolling 12 months (EUR million and %)1

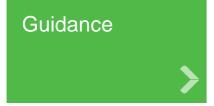


- In Q4/2018, net sales remained at the previous year's level and Comparable EBITA increased compared with Q4/2017
   Profitability improved due to higher gross profit and improved project execution
- 1) Rolling 12 months. Carve-out figures for 2013 have been used in the calculation of Q1-Q3/2014 figures. In the calculation of 2017 figures, data points from 2016 that have not been restated have been used.



## Guidance and short-term market outlook

### Guidance for 2019



Valmet estimates that net sales in 2019 will increase in comparison with 2018 (EUR 3,325 million) and Comparable EBITA in 2019 will increase in comparison with 2018 (EUR 257 million). The guidance is subject to the completion of the acquisition of GL&V.

### Short-term market outlook

		Q1/2018	Q2/2018	Q3/2018	Q4/2018
Services		Good	Good	Good	Good
Automation		Good	Good	Good	Good
Pulp and Energy	Pulp	Weak	Weak	Satisfactory	Satisfactory
	Energy	Satisfactory	Satisfactory	Satisfactory	Satisfactory
Paper	Board and Paper	Good	Good	Good	Good
	Tissue	Good	Good	Good	Satisfactory

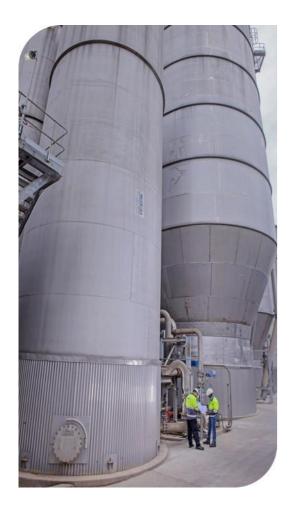
The short-term market outlook is based on customer activity (50%) and Valmet's capacity utilization (50%) and is given for the next six months from the end of the respective quarter. The scale is 'weak-satisfactory-good'.



## Conclusion



## Conclusion



- 1 Strong position in the growing market of converting renewables
- Widest offering combining process technology, services and automation in a unique way
- 3 Large stable business offering growth and profitability
- 4 Strong capital business with high market share and flexible cost structure
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## Important notice

It should be noted that certain statements herein which are not historical facts, including, without limitation, those regarding expectations for general economic development and the market situation, expectations for growth, profitability and investment willingness, expectations for company development, growth and profitability and the realization of synergy benefits and cost savings, and statements preceded by "anticipates", "believes", "estimates", "expects", "foresees" or similar expressions, are forward-looking statements. Since these statements are based on current decisions and plans, estimates and projections, they involve risks and uncertainties which may cause the actual results to materially differ from the results currently expressed. Such factors include, but are not limited to:

- 1) general economic conditions, including fluctuations in exchange rates and interest levels which influence the operating environment and profitability of customers of the company or economic growth in the company's principal geographic markets.
- 2) industry conditions, intensity of competition situation, especially potential introduction of significant technological solutions developed by competitors, financial condition of the customers and the competitors of the company,
- 3) the company's own operating factors, such as the success of production, product development and project management and the efficiencies therein including continuous development and improvement
- 4) the success of pending and future acquisitions and restructuring.



## Appendix

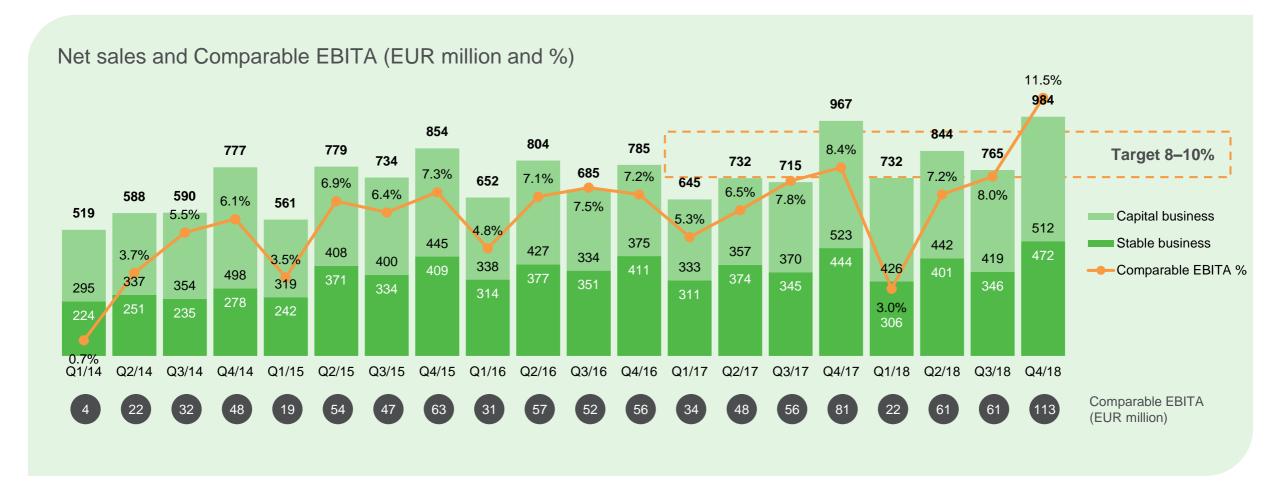
- 1 Financials
- 2 Shareholders, share price development and sustainability
- 3 Strategy and offering
- 4 Management



# Appendix Financials



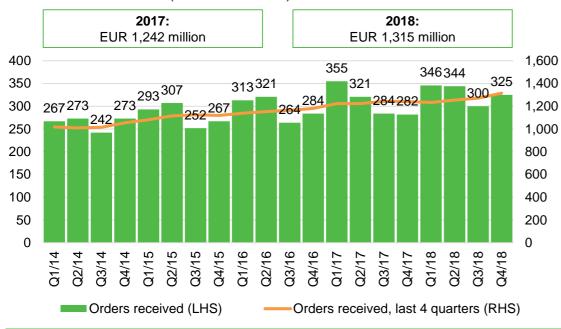
## Quarterly Comparable EBITA margin development



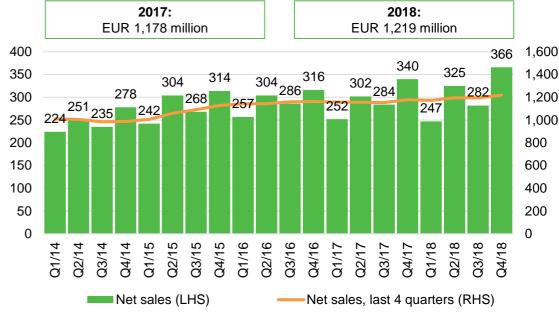


## Services: Orders received increased to EUR 1,315 million in 2018

### Orders received (EUR million)



### Net sales (EUR million)



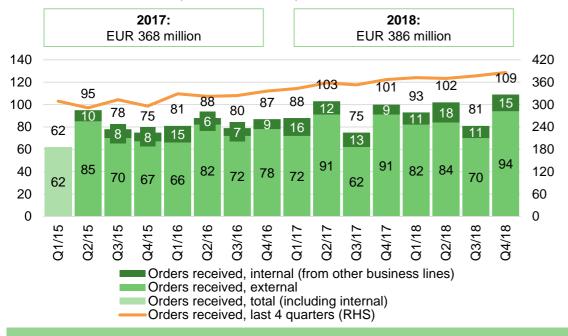
- Orders received increased compared with Q4/2017
  - Orders received increased in South America, China, North America and Asia-Pacific, and remained at the previous year's level in EMEA
  - Orders received increased in Mill Improvements, Rolls, Energy and Environmental, and Fabrics and remained at the previous year's level in Performance Parts
- Net sales increased compared with Q4/2017



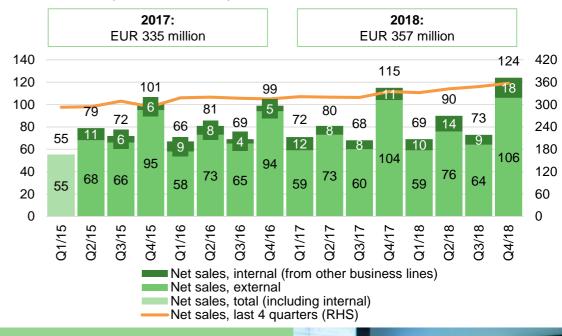


# Automation<sup>1</sup>: Orders received remained at the previous year's level at EUR 386 million in 2018

### Orders received<sup>2</sup> (EUR million)



### Net sales<sup>2</sup> (EUR million)



- Orders received remained at the previous year's level compared with Q4/2017
  - Orders received increased in South America and EMEA, remained at the previous year's level in North America, and decreased in China and Asia-Pacific
  - Orders received increased in Energy and Process and remained at the previous year's level in Pulp and Paper
- Net sales remained at the previous year's level compared with Q4/2017



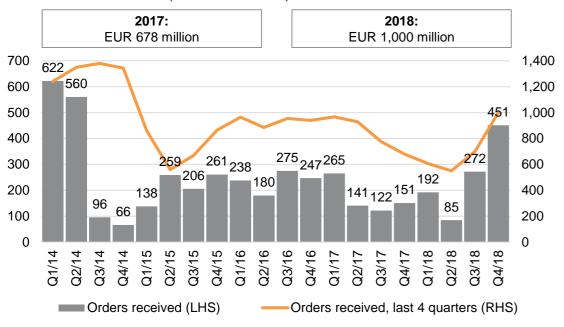
<sup>2)</sup> Q1/2015 orders received and the underlying figures for 'Orders received, last 4 quarters' and 'Net sales, last 4 quarters' are calculated based on Metso's reported figures and pro forma figures excluding Process Automation Systems and are therefore indicative only.



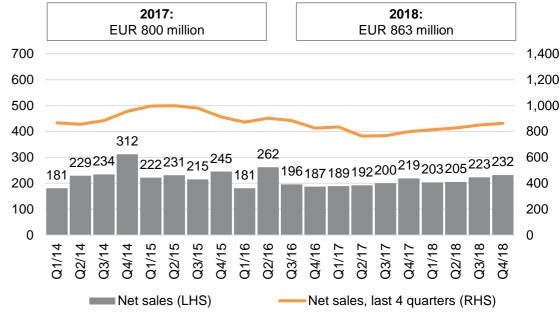
<sup>1)</sup> Comments refer to orders received and net sales including also internal orders received and net sales.

## Pulp and Energy: Orders received increased to EUR 1,000 million in 2018

### Orders received (EUR million)



### Net sales (EUR million)

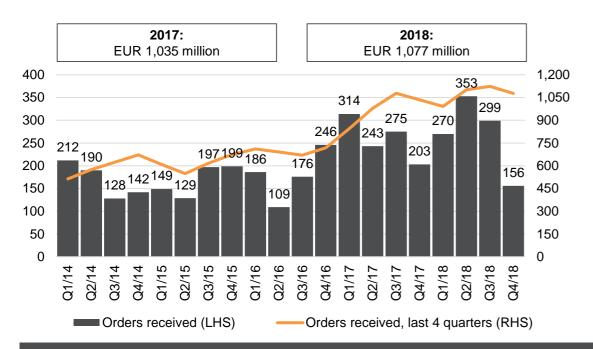


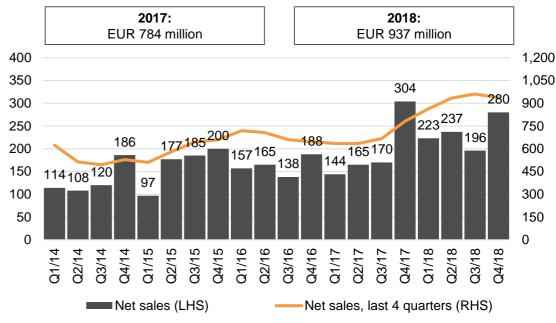
- Orders received increased compared with Q4/2017
  - Orders received increased in South America, Asia-Pacific and China, and decreased in North America and EMEA
  - Orders received increased in both Pulp and Energy
  - Approximately EUR 90 million of marine scrubber orders received in Q4/2018
- Net sales increased compared with Q4/2017





## Paper: Orders received remained at the previous year's level and were EUR 1,077 million in 2018





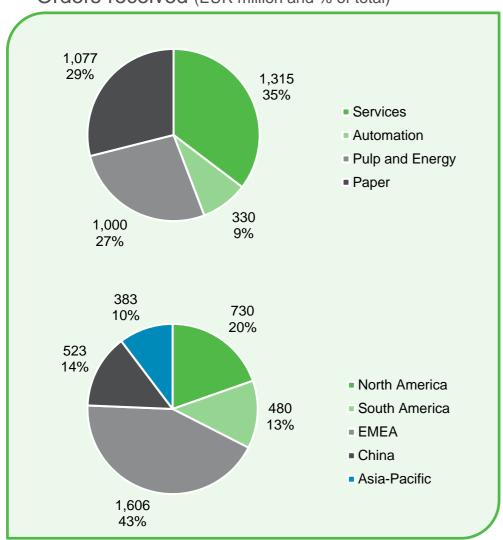
- Orders received decreased compared with Q4/2017
  - Orders received increased in EMEA and Asia-Pacific, remained at the previous year's level in South America and decreased in China and North America
  - Orders received remained at the previous year's level in Board and Paper, and decreased in Tissue
- Net sales decreased compared with Q4/2017



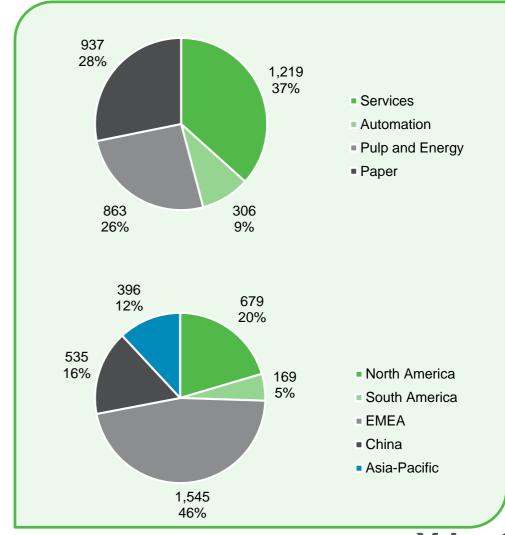


## Orders received and net sales split in 2018

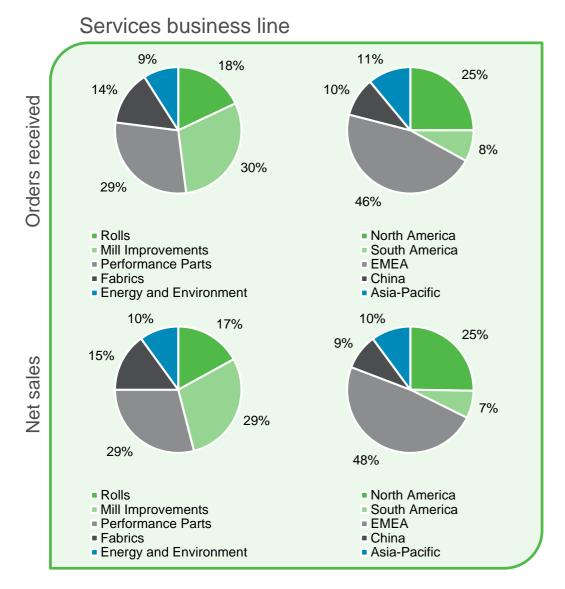
Orders received (EUR million and % of total)

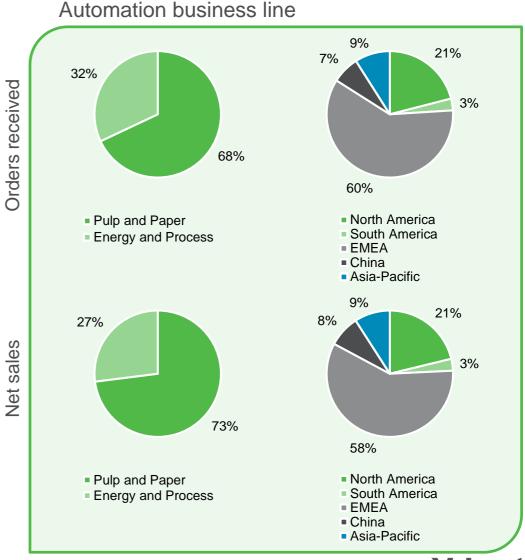


Net sales (EUR million and % of total)

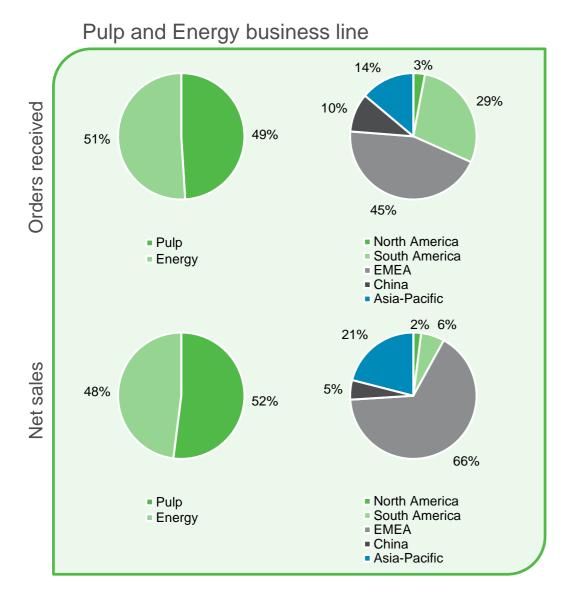


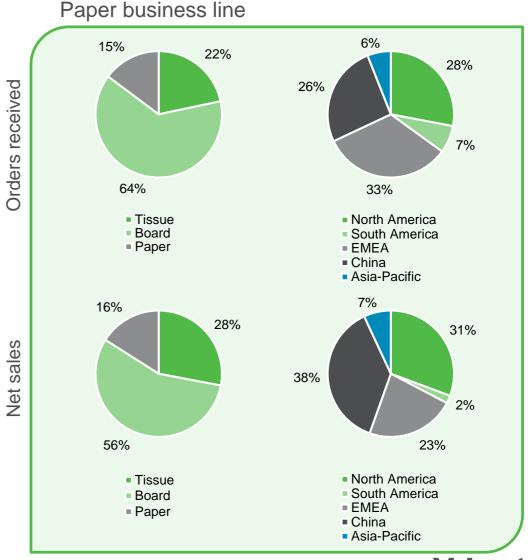
### Business lines in 2018: Stable business



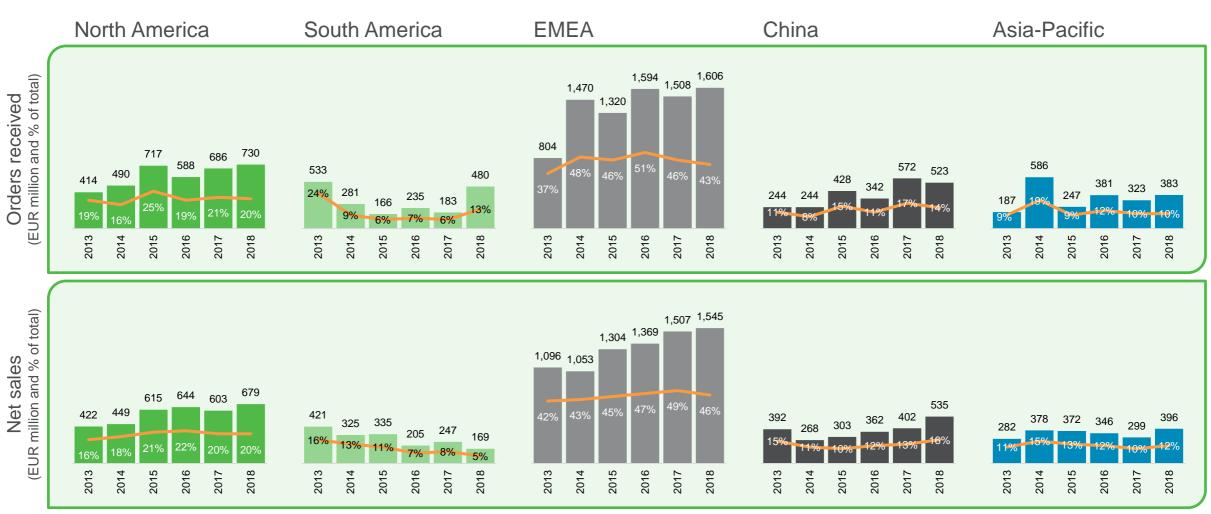


## Business lines in 2018: Capital business





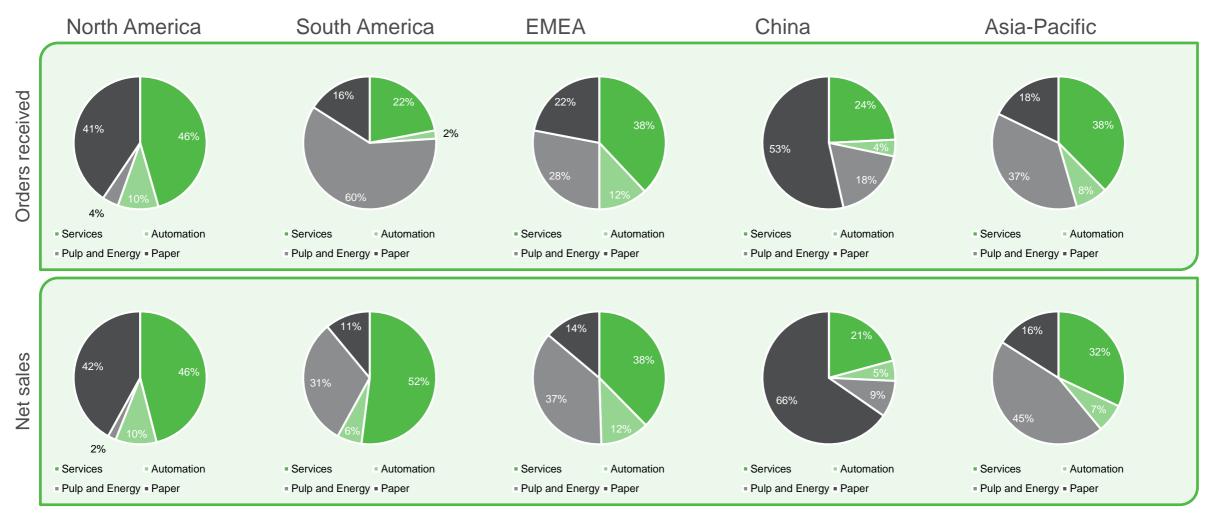
## Areas: Orders received and net sales development



2013 figures on a carve-out basis. Automation business line figures included as of Q2/2015.



## Areas: Business line split in 2018





### Announced orders in H1/2019

D	ate	Booked quarter	Description	<b>Business line</b>	Country	Value
Já	an 10	Q1	Flue gas condensing and asphaltene combustion systems	Pulp and Energy	Finland	Not disclosed. The value of an order of this type is typically around EUR 10-20 million.
Já	an 14	Q4	Automation for liquefied natural gas delivery	Automation	Finland	Not disclosed. The value of an order of this type is typically below EUR 5 million.
Já	an 15	Q3	Two waste-to-energy boilers	Pulp and Energy	China	Not disclosed.
Já	an 29	Q4	A quality control system	Automation	Spain	Not disclosed. The value of these kinds of deliveries is typically below EUR 1 million.
Já	an 30	Q3	Modernizing the automation systems, the electrical and instrumentation infrastructure	Automation	UK	Not disclosed. <sup>1</sup>
Já	an 31	Q4	Process and quality vision systems	Automation	France	Not disclosed. Typically, the value of these kinds of automation system deliveries is below EUR one million.
F	eb 5	Q3	An automation service agreement	Automation	USA	Not disclosed.
F	eb 18	Q1	Grade conversion rebuild	Paper	China	Not disclosed. The total value of order of this type is typically around EUR 20-30 million.
F	eb 20	Q4	Cooking, fiberline and recausticizing technology, and a new lime kiln (Q1)	•	India	Not disclosed. Typically, the value of these kinds of projects is around EUR 20-25 million.
F	eb 21	Q1	À wood handling line	Pulp and Energy	Finland	Not disclosed. The value of the order is around EUR 10-15 million.
F	eb 25	Q1	A ten-year operation and maintenance agreement for the biomass power plant	Services	Croatia	Not disclosed.



<sup>1)</sup> Typically the order value of automation system deliveries ranges from below EUR 1 million to EUR 3 million

### Announced orders in H1/2018

Date	Booked quarter	Description	Business line	Country	Value
Jan 4	Q3	Anti-surge and load-sharing control	Automation	Russia	Not disclosed. <sup>1</sup>
Jan 17	Q4	OptiConcept M board production line	Paper	USA	Not disclosed.  Not disclosed. The value of an order of this type is typically around EUR 40-50 million.
oan 17	QΤ	Optioonoopt wi board production line	ι αροι	00/1	Not disclosed. The value of all order of this type is typically around both 40 00 million.
Jan 25	Q1	Multifuel boiler and a flue gas treatment plant	Pulp and Energy	Finland	Around EUR 70 million
Jan 29	Q4	Mill waste-fired boiler plant	Pulp and Energy	China	Not disclosed.
Jan 30	Q4	Online measurements, consistency transmitters and analyzers	Automation	Sweden	Not disclosed. <sup>1</sup>
Feb 2	Q1	Flue gas condensation system	Pulp and Energy	Finland	Not disclosed.
Feb 8	Q4	Automation system to a board mill	Automation	Finland	Not disclosed. <sup>1</sup>
Feb 12	Q4	Cooking plant rebuild and brown stock washing equipment	Pulp and Energy	Sweden	Not disclosed.
Feb 13	Q1	Wet end rebuild to a paper machine	Paper	Austria	Not disclosed. The value of an order of this type is typically around EUR 10-20 million.
Feb 22	Q1	Repeat order of three winders	Paper	China	Not disclosed. The value of an order of this type is typically around EUR 10-20 million.
Mar 6	Q4	Automation upgrade to a cruise ship	Automation		Not disclosed. <sup>1</sup>
Mar 19	Q1, Q3	Two containerboard machines with automation systems	Paper	China	Not disclosed. The value of an order of this type is typically around EUR 90-110 million.
Mar 20	Q1	Linerboard production line	Paper	USA	Not disclosed.
Mar 22	Q4	Baling line	Paper	Finland	Not disclosed.
Mar 26	Q4	Warp control system	Automation	Poland	Not disclosed. <sup>1</sup>
Mar 29	Q1	Multifuel boiler	Pulp and Energy	Turkey	Not disclosed.
Apr 5	Q1	Automation to a board machine	Automation	Indonesia	Not disclosed.1
Apr 9	Q1	Three quality control systems with optical sensors	Automation	Italy	Not disclosed.1
Apr 30	Q1	Valmet DNA automation system	Automation	Indonesia	Not disclosed. <sup>1</sup>
May 9	Q2	Containerboard making line and automation	Paper	Germany	Not disclosed. The total value of an order of this type is typically around EUR 70-90 million.
May 15	Q2	Containerboard making line	Paper	China	Not disclosed. The total value of an order of this type and scope is typically around EUR 25-35
Jun 6	Q2	Cooking plant to a pulp mill	Pulp and Energy	Belgium	million. Not disclosed.
Jun 7	Q1	Multifuel power boiler and a flue gas cleaning system	Pulp and Energy	Japan	Not disclosed.  Not disclosed. The value of this kind of order is typically around EUR 40 million.
Jun 13	Q2	Large automation order for bio heating plant	Automation	Finland	The value of the order is approximately EUR 2 million.
Jun 20	Q2	Off-machine multinip calender	Paper	Germany	Not disclosed. The total value of an order of this type is typically around EUR 20-30 million.
0411 Z0	X.L	On maximo material valorida	. apoi	Commany	The discussion will be an order of the type to typically dround both 20 00 million.



<sup>1)</sup> Typically the order value of automation system deliveries ranges from below EUR 1 million to EUR 3 million

### Announced orders in H2/2018

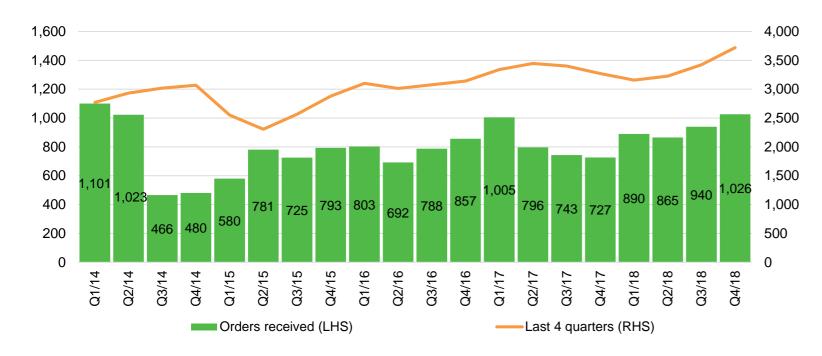
Date	Booked quarter	Description	<b>Business line</b>	Country	Value
Jul 11	Q2	Valmet Pulp Analyzer and Valmet Kappa Analyzer	Automation	China	Not disclosed.1
Jul 13	Q2	Advantage DCT 200 tissue line	Paper	Turkey	Not disclosed.
Aug 6	Q2	Advantage DCT100HS tissue production line and automation	Paper	Argentina	Not disclosed.
Aug 7	Q2	Advantage DCT 200 tissue line	Paper	Argentina	Not disclosed.
Aug 9	Q2	BCTMP plant conversion, slab press and conveyor systems	Pulp and Energy,	Estonia	Not disclosed. A project of this size and scope is typically valued at EUR 5-10 million.
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Aug 13	Q2	Recovery boiler and surrounding systems to a pulp mill	Pulp and Energy	Sweden	Not disclosed. The value of this kind of order is typically above EUR 10 million.
Aug 14	Q2	OptiConcept M containerboard making line	Paper	China	Not disclosed. The total value of an order of this type is typically around EUR 30-40 million.
Aug 22	Q2	Nonwoven bonding system	Paper	China	Not disclosed.
Aug 27	Q3	Extensive paper machine grade conversion rebuild	Paper	Italy	Not disclosed. The total value an order of this type is typically around EUR 40-60 million.
Sep 4	Q3	Extensive information management system	Automation	Finland	Not disclosed. <sup>1</sup>
Sep 11	Q2	Continuous steam explosion system for production of black pellets	Pulp and Energy	France	Not disclosed.
Sep 13	Q1	Automation technology to two new power plants	Automation	Lithuania and	Not disclosed. <sup>1</sup>
•		· · ·		Spain	
Sep 17	Q2	Automation and safety system to a gas compression station	Automation	Finland	Not disclosed. <sup>1</sup>
Sep 20	Q1, Q2	Web monitoring systems for two paper machines	Automation	China	Not disclosed. <sup>1</sup>
Sep 24	Q3	Winding technology	Paper	Germany	Not disclosed. The total value of an order of this type is typically around EUR 5-10 million.
Oct 1	Q3	Automation system for coal washing	Automation	Russia	Not disclosed.1
Oct 3	Q3	Biomass boiler	Pulp and Energy	Spain	Not disclosed.
Oct 22	Q3	Biomass pretreatment system	Pulp and Energy	Romania	Not disclosed.
Oct 22	Q2	Automation solution for a biopower plant	Automation	Finland	Not disclosed. <sup>1</sup>
Nov 12	Q4	Flue gas cleaning and heat recovery plant	Pulp and Energy	Finland	Not disclosed. The total value of an order of this type is typically between EUR 2-10 million.
Nov 15	Q4	Biomass-fired boiler plant	Pulp and Energy	Finland	Not disclosed.
Nov 19		OCC and containerboard lines	Paper	Slovakia	Not disclosed.
Nov 28		Automation services to seven power plants	Automation	France	Not disclosed.
Nov 29	Q3	IQ steam profiler	Automation	China	Not disclosed.
Dec 4	Q4	On-line performance monitoring agreement	Pulp and Energy	Germany	Not disclosed.
Dec 5	Q3	Nonwovens rewinder	Paper	Spain	Not disclosed.
Dec 12	Q4	IQ web monitoring system	Automation	Austria	Not disclosed. Typically below EUR one million.
Dec 13	Q4	Tissue line	Paper	India	Not disclosed.
Dec 17	Q4	Automation technology to biomass power plant	Automation	Finland	Not disclosed. Typically from below EUR 1 million to EUR 3 million.
Dec 18	Q3	New baling line and cutter layboy upgrade	Pulp and Energy	South Africa	Not disclosed. An order with this scope of supply is typically valued around EUR 4 million.
Dec 19	Q4	Key pulp mill technology for a new pulp line	Pulp and Energy	Chile	Not disclosed. A project of this size and scope is typically valued at EUR 250-300 million.
Dec 20	Q3	Brown stock washing and screening line	Pulp and Energy	South Africa	Not disclosed. An order with this scope of supply is usually valued in the range of EUR 5-10 million.

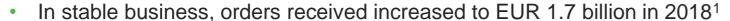
<sup>1)</sup> Typically the order value of automation system deliveries ranges from below EUR 1 million to EUR 3 million



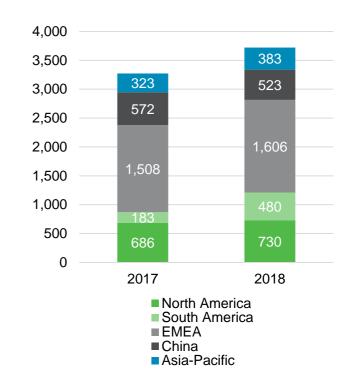
### Orders received increased to EUR 3,722 million in 2018

### Orders received (EUR million)





- In capital business, orders received increased to EUR 2.1 billion in 2018
- Orders received increased in both emerging and developed markets in 2018
  - China, South America and Asia-Pacific together accounted for 37% of orders received

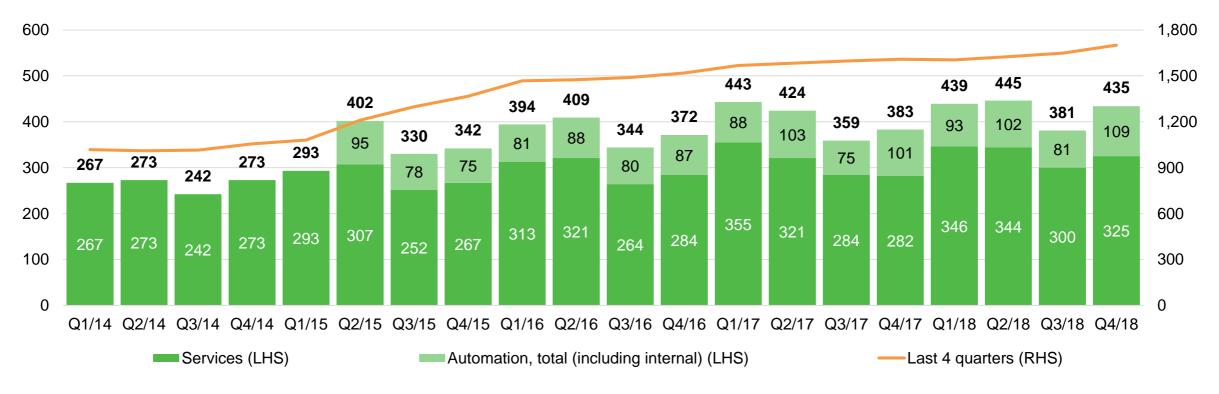






# Stable business orders received totaled EUR 1,701 million in 2018

Orders received (EUR million) in stable business<sup>1</sup>



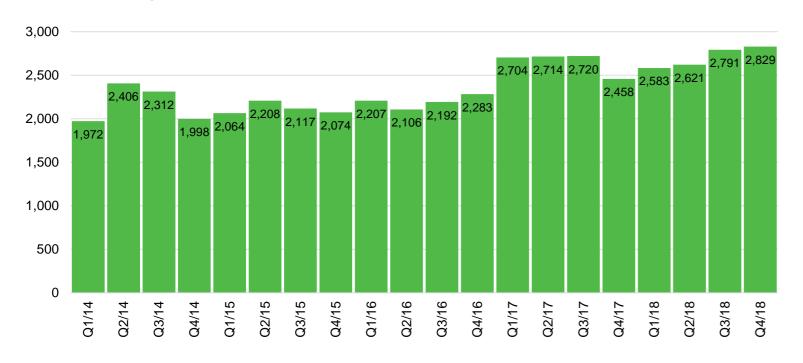
Total orders received in stable business increased by EUR 92 million in 2018



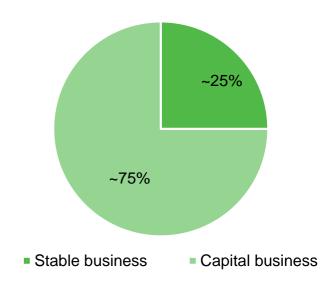
<sup>1)</sup> Including internal orders received for the Automation business line.

## Order backlog at EUR 2,829 million at the end of 2018

### Order backlog (EUR million)



### Structure of order backlog

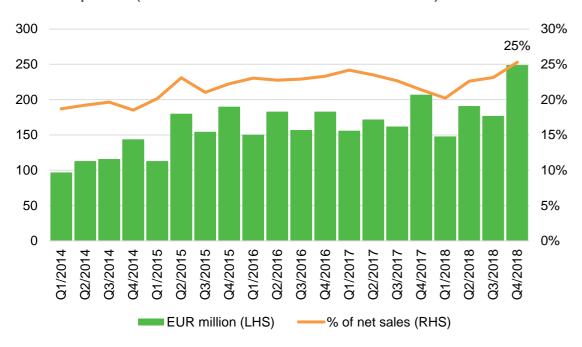


- Order backlog was EUR 37 million higher than at the end of Q3/2018
- Approximately 75% of the order backlog is currently expected to be realized as net sales during 2019 (at the end of 2017, ~80% during 2018)
- Approximately 25% of the order backlog relates to stable business (~25% at the end of 2017)

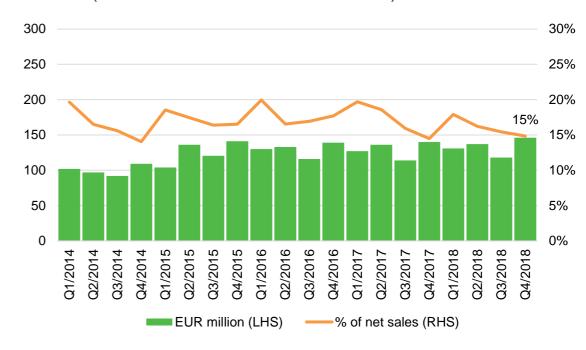


## Gross profit and SG&A development

### Gross profit (EUR million and % of net sales)



### SG&A (EUR million and % of net sales)

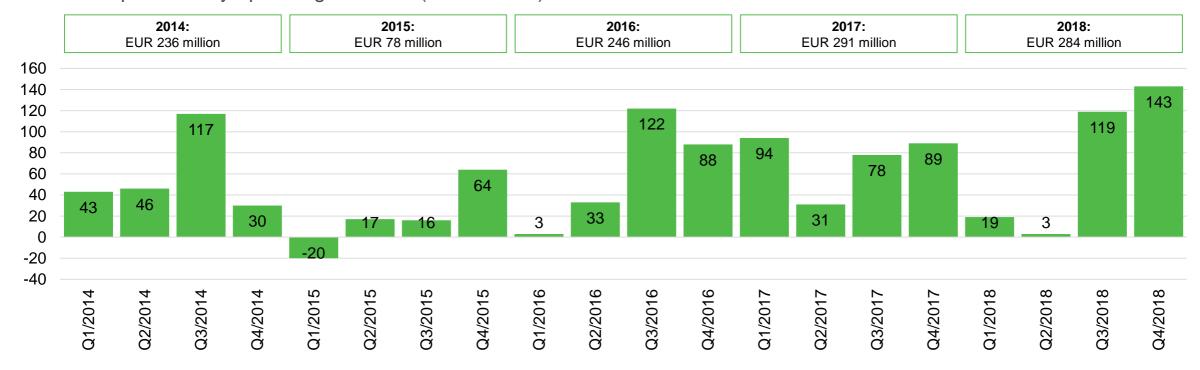


- Gross profit was 25% of net sales (21% in Q4/2017)
  - Stable business had a higher share of net sales in Q4/2018
- Selling, general & administrative (SG&A) expenses increased by EUR 6 million
  - SG&A was 15% of net sales (15% in Q4/2017)



# Cash flow provided by operating activities

Cash flow provided by operating activities (EUR million)

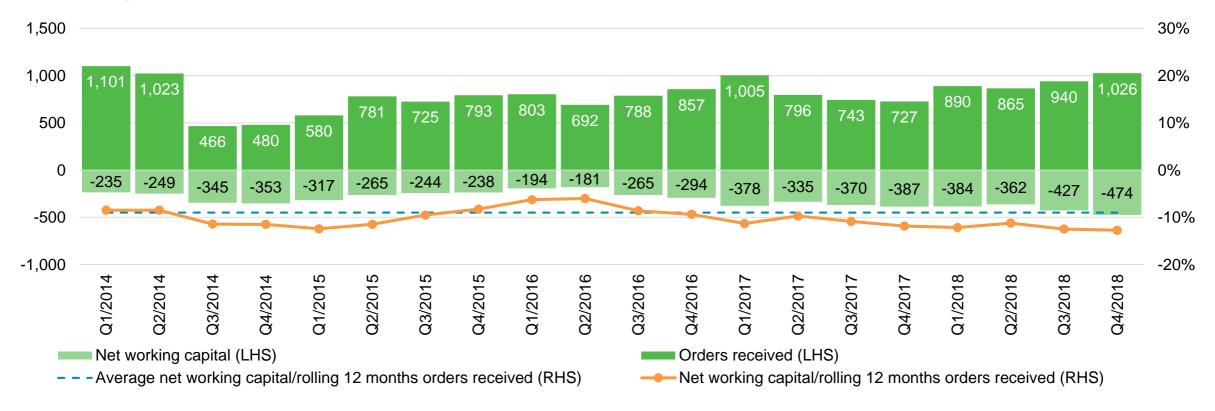


- Change in net working capital<sup>1</sup> EUR 51 million in Q4/2018
- Cash flow provided by operating activities EUR 143 million in Q4/2018
- CAPEX<sup>2</sup> EUR 22 million in Q4/2018
- 1) Change in net working capital in the consolidated statement of cash flows.
- 2) Excluding business combinations.



# Net working capital at -13% of rolling 12 months orders received

Net working capital and orders received (EUR million)



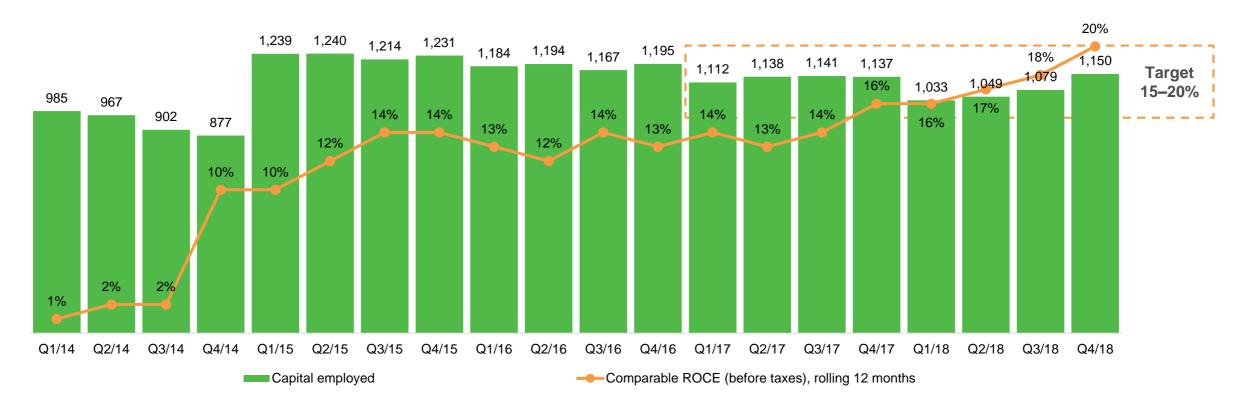
• Net working capital EUR -474 million, which equals -13% of rolling 12 months orders received

Net working capital excluding non-cash net working capital impact from dividend liability.



# Capital employed and Comparable ROCE

Capital employed (EUR million) and Comparable return on capital employed (ROCE), before taxes<sup>1</sup> (%)

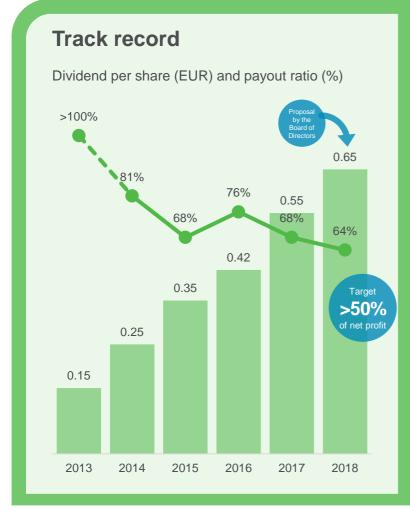


• Target for Comparable return on capital employed (ROCE): 15–20%

<sup>)</sup> Rolling 12 months. Carve-out figures for 2013 have been used in the calculation of Q1-Q3/2014 figures. In the calculation of 2017 figures, data points from 2016 that have not been restated have been used.



### Dividend and balance sheet







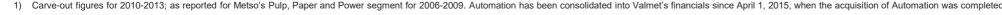
- Net debt was EUR -219 million at the end 2018
- Back-up credit facilities:
  - EUR 200 million of committed facilities
  - EUR 200 million of uncommitted facilities
- Valmet needs to have a strong balance sheet to be able to participate in large projects and to cope with swings in market activity



## Orders received and profitability development, annual









# Appendix Growth and profitability improvement



## Recent development at Valmet

### **Recent development**

Customer

# **echnology**

# Process

# eople

- · Good progress with Shared Journey Forward service concept
- All-time high Valmet package sales in Automation
- #1 position in tissue, board and paper
- Increased orders received from small and medium sized pulp projects

 Industrial Internet solutions and digitalized services commercialized, e.g. Valmet Performance Centers operational

- New products<sup>1</sup> ~29% of orders received in 2018
- Improvement in product cost competitiveness

- ERP renewal proceeding
- Valmet in Dow Jones Sustainability Index for the fifth consecutive year
- Positive project margin deviation in Paper and in most Pulp and Energy projects. Cost overrun in one project in Pulp and Energy
- · Procurement savings continue

- LTIF<sup>2</sup> for own employees at 2.3 (Dec 2018)
- Sales Journey and Innovation Pathways training programs ongoing
- Developing local competences close to customers
- Strengthened service capability in new regions
- ~1,400 Valmet employees in new or refurbished offices and facilities





March 2019

© Valmet | Roadshow presentation



# Actions to keep growing faster than the market

#### **Stable business**

- Long term co-operation with customers through agreements
- Develop local service capability
- Leverage and develop Field services as differentiator
- Lead the market through Industrial Internet offering
- Competitor replacements in Automation
- Grow through new industries in Automation

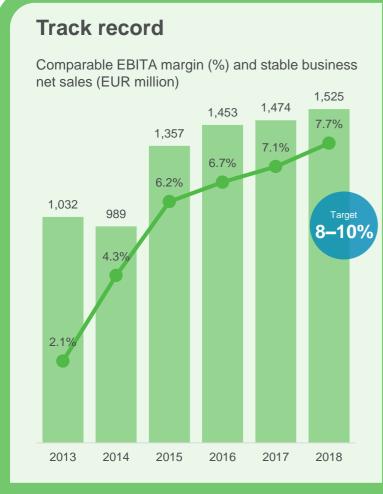
### **Capital business**

- Continue to bring advanced technology to the market
- Improve product cost competitiveness
- Secure mega pulp mill cases
- Create customer value with digitalization and Industrial Internet



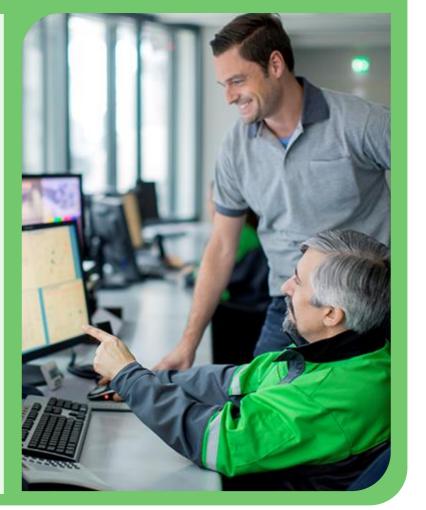


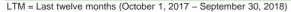
# Actions to reach Comparable EBITA target of 8–10%



### **Actions to reach Comparable EBITA** target:

- Grow the stable business
- No negative margin deviation in capital projects
- Continued actions to save in procurement
- Increase flexibility in operations through global footprint development
- R&D and new product launches
- Internal efficiencies through digitalization
- ERP project (from 2021 onwards)







# Procurement and quality cost development

### Implemented procurement savings of annual direct spend



### Targeting >3% of procurement savings annually

- Increasing design-to-cost (DTC) to create new sources for savings
- More supplier involvement through supplier relationship management
- Continuing sustainable supply chain implementation

### Quality costs (% of net sales)



### Long-term quality costs goal <1.3% of net sales

- Adding focus in root cause analysis of the quality deviations
- Extensive Lean implementation and training
  - Over 4,000 Valmet employees completed Lean e-learning
  - Lean being deployed in all major locations and businesses



# Acquisitions

- Focus on organic growth
- Selective acquisitions can be done to support growth

### **Acquisition themes**

- Strengthening Services
  - Complementing existing portfolio
  - Expansion in consumables
- Strengthening Automation
  - Stronger Pulp & Paper automation
  - Expansion in Industrial Internet
  - Stronger presence in growth markets
- Expanding business in pulp, paper and energy value chain





Appendix
Shareholders, share price development and sustainability



# Largest shareholders on February 28, 2019

### Based on the information given by Euroclear Finland Ltd

#	Shareholder name	Number of shares	% of shares and votes
1	Solidium Oy	16,695,287	11.14 %
2	Elo Pension Company	3,600,000	2.40 %
3	Varma Mutual Pension Insurance Company	3,162,465	2.11 %
4	Ilmarinen Mutual Pension Insurance Company	3,160,000	2.11 %
5	Keva	1,502,166	1.00 %
6	The State Pension Fund	1,345,000	0.90 %
7	Evli Funds	862,000	0.58 %
8	Danske Invest Funds	750,419	0.50 %
9	Nordea Funds	670,985	0.45 %
10	Sigrid Jusélius Foundation	610,865	0.41 %
	10 largest shareholders, total	32,359,187	21.60%
	Other shareholders	117,505,432	78.40%
	Total	149,864,619	100.00%

### Five latest flagging notifications

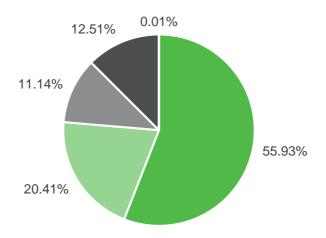
Date of transaction	Shareholder	Number of shares	% of shares and votes
Feb 6, 2019	BlackRock, Inc.	9,080,704	6.05%
Jan 16, 2019	BlackRock, Inc.	7,619,134	5.08%
May 15, 2018	BlackRock, Inc.	Below 5%	Below 5%
May 14, 2018	BlackRock, Inc.	7,499,877	5.00%
May 10, 2018	BlackRock, Inc.	Below 5%	Below 5%





# Shareholder structure on February 28, 2019

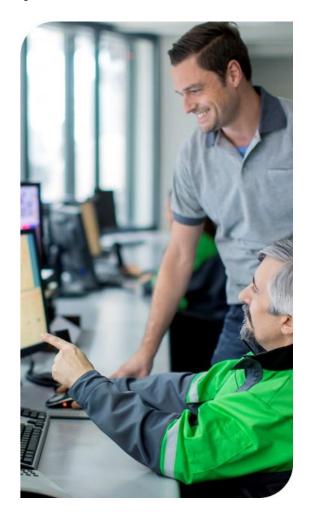
The shareholder structure is based on the classification of sectors determined by Statistics Finland



- Nominee registered and non-Finnish holders
- Solidium Oy\*
- On issuer account

- Finnish institutions, companies and foundations
- Finnish private investors

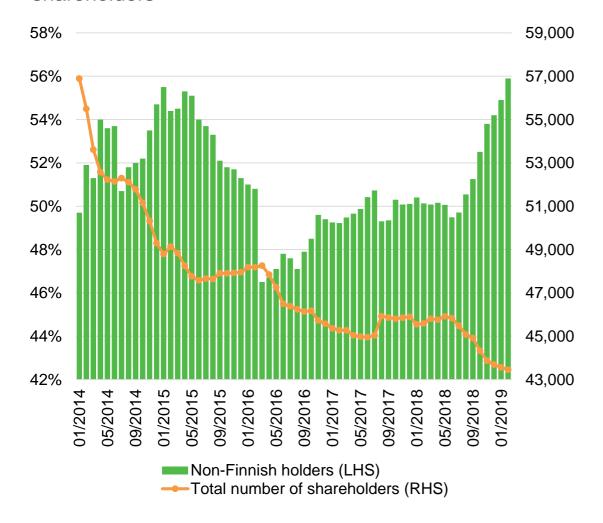
Sector	Number of shareholders	% of total shareholders	Number of shares	% of shares
Nominee registered and non-Finnish holders	329	0.76%	83,822,525	55.93%
Finnish institutions, companies and foundations	2,186	5.03%	30,589,627	20.41%
Solidium Oy*	0	0.00%	16,695,287	11.14%
Finnish private investors	40,934	94.21%	18,749,100	12.51%
On issuer account	0	0.00%	8,080	0.01%
Total	43,449	100.00%	149,864,619	100.00%



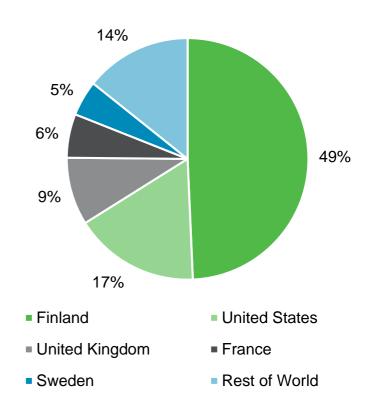


# Share of non-Finnish holders and area split of shareholders

Share of non-Finnish holders and number of shareholders



Approximate geographical split of institutional shareholders\*



<sup>\*)</sup> in December 2018. Source: CMi2i



# Progress on Sustainability 360° agenda

	Targets	Key actions for 2018		
Sustainable supply chain	<ul> <li>Develop sustainable procurement practices globally</li> <li>Support selected key suppliers to meet the level of sustainability expected by Valmet</li> </ul>	<ul> <li>Continue supplier sustainability audits (min. 50 / year)</li> <li>Continue to increase traceability in supply chain</li> <li>Develop carbon footprint calculations</li> </ul>	<ul> <li>Continue with sustainability training for global procurement and integrate sustainability into procurement training programs</li> <li>Launch sustainability engagement program key suppliers with targets, KPIs and follow-up mechanisms</li> </ul>	5 train 8 train and 12 september 12 september 12 september 12 september 12 september 13 september 14 september 14 september 15 septembe
Health, safety and environment	<ul> <li>Drive safety culture</li> <li>Best in class HSE management practices</li> <li>Secure compliance and improvements</li> </ul>	<ul> <li>Start global implementation of safety culture training program</li> <li>Renew Valmet's Health and Safety key performance indicators</li> <li>Weekly toolbox talks to be held in all workplaces</li> <li>Implementation of global standard for risk assessments</li> <li>Collaborating for contractor safety program continues</li> </ul>	<ul> <li>Define global roadmap to reduce waste to landfill</li> <li>Local HSE action plans in all locations and follow-up of selected units</li> <li>Certified global management system in place (to ISO 9001; 14001 and 45001)</li> <li>Complete minimum 20 HSE audits per year</li> </ul>	9 WELL-MARKEN 12 SERVINGE 13 ACCIDENT TO THE PROPERTY OF THE P
People and performance	<ul> <li>Boost employee engagement</li> <li>Develop the best talent</li> <li>Increase diversity</li> <li>Be a responsible employer</li> </ul>	<ul> <li>Execute OurVoice development actions and communicate progress</li> <li>Introduce an employee role description to continue to develop a culture of accountability</li> <li>Ensure annual review discussion coverage of &gt;95% for white collar employees</li> <li>Develop global training portfolio to support strategic goals; launch project execution program</li> <li>Utilize learning library for technical and functional training</li> <li>Execute development actions for talent review population</li> <li>Create programs and processes to support career development of diversity talent</li> </ul>	<ul> <li>Continue prioritizing diversity talent in global training portfolio nomination process</li> <li>Widen recruitment pool beyond traditional candidates</li> <li>Further develop human rights framework through systematic 3-year roadmap</li> <li>Rollout team management practices and new manager training program</li> <li>Run 360° feedback process for identified managers</li> <li>Launch sustainability e-learning</li> <li>Plan wellbeing roadmap for 2018–2020 as part of integrated workforce approach</li> </ul>	5 trees   B (CONTROL COVIN)   10 WOLDERS   COVIN
Sustainable solutions	<ul> <li>Deepen understanding of customers' sustainability needs</li> <li>Integrate sustainability into R&amp;D processes and tools</li> </ul>	<ul> <li>Continue to conduct interviews with selected key customers and into key account management process</li> <li>Continue to arrange sustainability training for sales teams</li> <li>Study the possibility of manufacturing consumables from renewal</li> </ul>		9 NOT TANCON 12 STOCKET 13 AND TO NOT THE PROPERTY OF THE PROP
Corporate	<ul> <li>Ensure compliance with guiding principles</li> <li>Promote transparent reporting and active stakeholder collaboration</li> </ul>	<ul> <li>Launch e-learning on sustainability for all Valmet employees</li> <li>Review the Code of Conduct content and relaunch e-learning</li> <li>Create a long-term roadmap for social projects</li> <li>Continue stakeholder dialogue and encourage stakeholders to gabout sustainability performance in stakeholder surveys</li> </ul>	ive feedback	5 (17-8%) 8 (12-17-16-18 AP) 10 (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180,000) (180



Appendix
Strategy and offering



# Valmet's way forward



#### Our Values



#### Customers

We move our customers' performance forward



#### Renewal

We promote new ideas to create the future



#### **Excellence**

We improve every day to deliver results



#### People

We work together to make a difference

#### Megatrends

· Resource efficient and clean world

**Our Vision** 

- · Digitalization and new technologies
- · Urban, responsible and global consumer



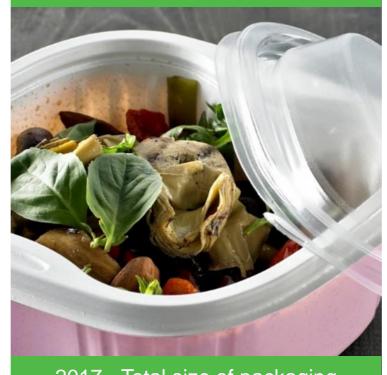
### Business opportunities

### **eCommerce**



Global sales in 2017 reached **USD 2.3 trillion** Forecasted to grow 141% from 2016 to 2021

### Replacing plastic



2017 - Total size of packaging business EUR 600 billion p.a. Fiber based 36% Plastic 40% Growing 3-6% p.a.

### **Emerging markets**



Expected to drive the global tissue growth, accounting for 83% of incremental demand by 2030



# Services business line offering

### **Shared Journey Forward offering**

### Reliability

- Spare parts and components
- Maintenance and shutdown services
- Outsourcing services

#### Performance

- Production consumables
- Process support and optimization

### **New Technology**

- Process and automation upgrades
- Industrial Internet and remote solutions







### Services business units

#### Performance Parts

Spare parts and consumables

#### **Fabrics**

 Paper machine clothing and filter fabrics

### Energy and Environmental

 Services for energy and environmental systems

### Rolls and Workshop Services

 Rolls, roll covers and maintenance, workshop services

### Mill Improvements

Upgrades, components and expert services



# Automation business line offering and market overview

#### Advanced automation and process monitoring solutions and services:

- Distributed Control System (DCS) Valmet DNA
- Performance solutions
- Quality Control System (QCS)
- **Profilers**
- Analyzers and measurements

- Industrial internet solutions
- Automation services
- Process simulators
- Safety systems and solutions

Over 4,500 automation systems and over 40,000 analyzers and measurements delivered

### **Distributed Control** System (DCS)



### Quality Management **System**



#### **Analyzers and** measurements



#### Scope/product

- DCS for process and plant controls
- Condition monitoring
- Information management
- APC (advanced process control)
- Industrial Internet applications
- QCS (Quality Control Systems)
- **Profilers**
- Web inspection and web break analysis systems
- Paper analyzers
- Pulp analyzers
- Pulp consistency measurements
- Conductivity measurements
- Power analyzers

#### Market size

#### Pulp and paper DCS market:

• EUR 900 million

#### Power DCS market:

EUR 700 million

#### Estimated market size:

>EUR 200 million

#### Estimated market size:

<EUR 200 million</li>

#### Main competitors

- ABB
- Honeywell
- Emerson
- Siemens
- Yokogawa
- ABB
- Honeywell
- Voith
- Paperchine
- Procemex

- Procemex Cognex
- Isra Vision



BTG



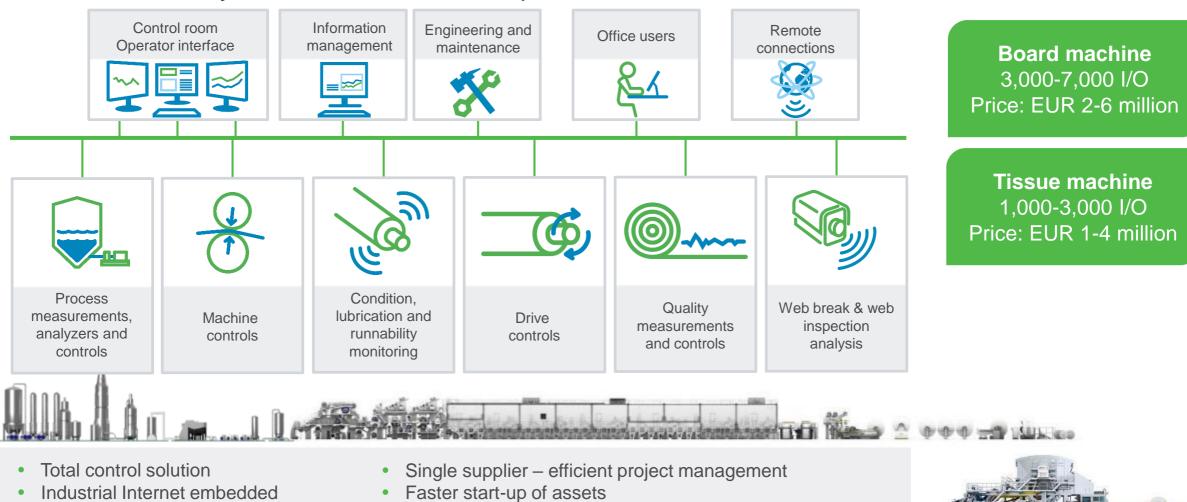






# Automation projects and services: Board and Tissue machines

Automation delivery content and service scope





# Pulp and Energy business line offering



### Pulp

- Wood and pulp handling
  - Wood handling, fuel handling, pulp drying
- Fiber processing
  - Complete fiber lines, cooking systems, recausticizing
  - Mechanical pulping
  - Black pellet and pre-hydrolysis technologies
- Recovery
  - Recovery boilers, evaporation systems, lime kilns
  - Mill wide odorous gas handling, ash treatment
  - Sulfuric acid plants and lignin extraction



### Energy

- Heat and power generation
  - Fluidized bed boilers, bio-grate boilers, biomass and waste gasification
  - Boiler islands and small power plants
- Air emission control
  - Flue gas cleaning and heat recovery for boilers
  - Emission control for process industry and marine
- Biofuels
  - Pyrolysis plants with emission control and burners



# Paper business line offering



#### Board and paper

- Board and paper production lines
  - Recycled fiber lines
  - Tailor-made OptiConcept machines
  - OptiConcept M modularized machines
- Rebuilds
  - Modernizations and grade conversions
- Stand-alone products
  - From stock preparation to roll handling
  - e.g. headboxes, sizers, winders



#### Tissue

- Tissue production lines
  - Advantage DCT
  - Advantage NTT/QRT/eTAD
  - Advantage Thru Air (TAD)
- Rebuilds
- Stand-alone products
  - From stock preparation to roll handling
  - e.g. Yankee cylinders, ViscoNips, Re-Winders



# Full scope offering for the pulp and paper industry

#### **Technologies**

- Wood handling
- Heat and power production
- Chemical pulping
- Chemical recovery
- Pulp drying

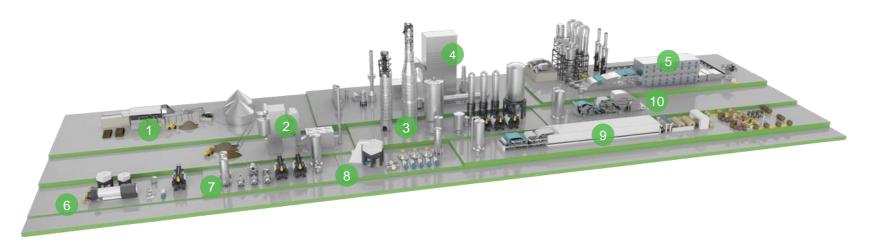
- Recycled fiber
- Mechanical fiber
- Stock preparation
- Board and paper making
- Tissue making

#### **Automation**

- Distributed Control System (DCS)
- Performance solutions
- Quality Control System (QCS)
- **Profilers**
- Analyzers and measurements
- Industrial internet solutions
- **Automation services**
- Process simulators
- Safety systems and solutions

#### Services

- Mill and plant improvements
- Spare and wear parts
- Paper machine clothing and filter fabrics
- Roll services
- Services for evaporation plants, power and recovery boilers
- Services for environmental equipment





# Our offering for energy industry and biotechnologies

#### **Technologies**

- Fuel handling
- 2 Gasification
- 3 Boiler and flue gas cleaning
- Bio-oil production

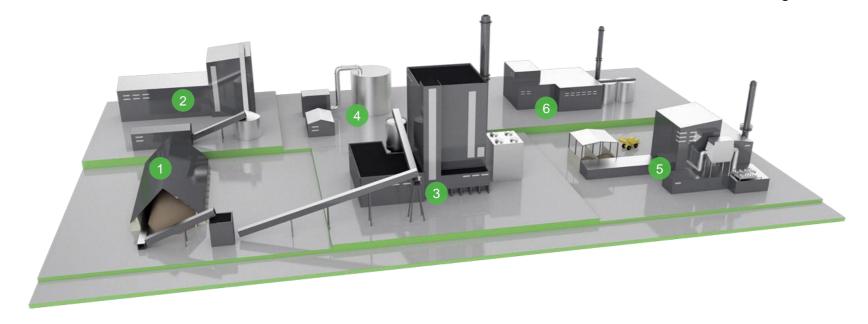
- Modularized power plants
- 6 Prehydrolysis
  For biofuels,
  biomaterials and
  biochemicals, and
  bio coal production

#### **Automation**

- Distributed Control System (DCS)
- Performance solutions
- Analyzers and measurements
- Industrial internet solutions
- Automation services

#### Services

- Plant improvements
- Rebuilds
- Performance services
- Services for environmental equipment
- Components and spare parts
- Training





# Continuous investment in research and development to improve customers' processes



#### **Customers' needs**

- Increase production efficiency
- Improve competitiveness
- Maximize value of raw materials
- Widen raw material base
- Provide high-value end products
- Develop new innovations and technologies



#### Valmet's R&D focus

- Modularized and standardized products
- Energy, water and raw material efficiency
- Automation technology
- Biomass conversion technologies



#### Valmet's R&D resources

- Own R&D centers and pilot facilities
- Annual R&D spend about EUR 65 million
- Around 1,500 protected inventions
- Cooperation with universities and research institutions



### Example of our R&D work -**OptiConcept M board and paper** machine

- · Cost-efficient, high-quality, safe and flexible board making concept
- Significant savings in energy, water and raw material use
  - Energy efficiency improvement up to 30%
- Modular and compact size
  - Short delivery times, quick start-ups, and less production space
- Functional design brings increased safety and accessibility
  - Design acknowledged in Finnish design competition in 2014



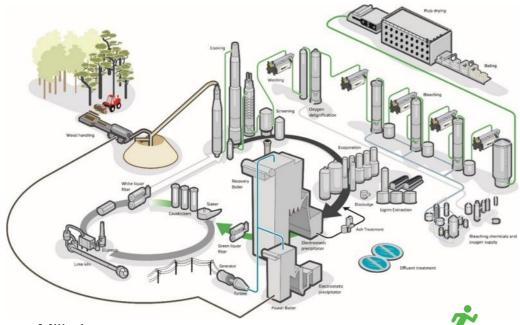
# Today, customers are extensively utilizing our Industrial Internet capabilities





# Typical dimensions of pulp mills, and paper, board and tissue machines

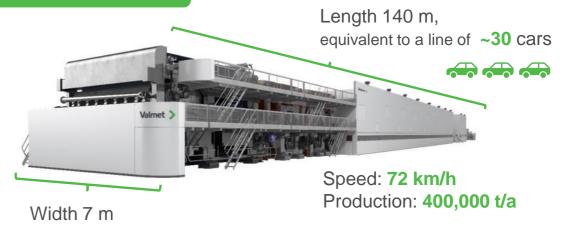
Pulp mill



Mill site area:
 500,000 – 5,000,000 m², equivalent to ~70–700 football fields

Built area:
 40,000 – 100,000 m², equivalent to ~6–14 football fields

Paper and board machine



Tissue machine

Length 40 m, equivalent to a line of ~9 cars



Speed: 120 km/h

Production: 65,000 t/a





# Appendix Management



### **Executive Team**

Corporate



Pasi Laine President and CEO Share ownership: 116,244



Kari Saarinen CFO Share ownership: 32,671



Julia Macharey SVP, Human Resources and Operational Development Share ownership: 22,036



Anu Salonsaari-Posti SVP, Marketing & Communications Share ownership: 16,752



Aki Niemi Business Line President. Services Share ownership: 44,136



Sami Riekkola Business Line President. Automation Share ownership: 3,657



Bertel Karlstedt Business Line President, Pulp and Energy Share ownership: 34,217



Jari Vähäpesola Business Line President, Paper Share ownership: 41,116



Dave King Area President, North America Share ownership: 18,691



Celso Tacla Area President, South America Share ownership: 65,970



Vesa Simola Area President, EMEA Share ownership: 33,003



Xiangdong Zhu Area President, China Share ownership: 11,480



Jukka Tiitinen Area President, Asia Pacific Share ownership: 70.760



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Business areas

### **Board of Directors**



Bo Risberg (b. 1956) Chairman of the Board Swedish citizen

- · BSc (Mech. Eng), MBA Selected experience:
- Vice CoB of Grundfos A/S
- Member of the BoD of Stäubli International AG
- Share ownership: 12.554
- · Independent of company: Yes
- Independent of owners: Yes



Eriikka Söderström (b. 1968) Board member Finnish citizen

- M.Sc. (Econ.)
- Selected experience:
- CFO of F-Secure Corporation
- Share ownership: 2,347
- Independent of company: Yes
- Independent of owners: Yes



**Aaro Cantell** (b. 1964) Vice-Chairman of the Board Finnish citizen

- M.Sc. (Tech.)
- Selected experience:
- CoB of Normet Group Oy, VTT Technical Research Centre of Finland Ltd
- Member of the BoD of Solidium Oy, Federation of Finnish Technology Industries
- Share ownership: 4,448
- Independent of company: Yes
- · Independent of owners: No



Tarja Tyni (b. 1964) Board member Finnish citizen

- LL.M.
- Selected experience:
- CoB of Mandatum Life Investment Services Ltd
- Share ownership: 4,143
- Independent of company: Yes
- · Independent of owners: Yes



Pekka Kemppainen (b. 1954) Board member Finnish citizen

- · Lic.Sc. (Tech.)
- · Selected experience:
- Member of the BoD of Junttan Ov
- Several positions within KONE, including Managing Director of **KONE** Elevators Australia
- Share ownership: 1.217
- Independent of company: Yes
- · Independent of owners: Yes



Rogério Ziviani (b. 1956) Board member Brazilian citizen

- · BSc in Business Management, MBA
- Selected experience:
- Member of the BoD of Innovatech Negócios Florestais
- Share ownership: 8,330
- Independent of company: Yes
- · Independent of owners: Yes



Monika Maurer (b. 1956) Board member German citizen

- · Diploma in Physics and Chemistry, Diploma in Pedagogy
- · Selected experience:
- Vice CoB of Nokia Shanghai Bell. Co. Ltd.
- Chief Operating Officer of Nokia Group
- Share ownership: 1,217
- · Independent of company: Yes
- Independent of owners: Yes

Valmet Oyj's Nomination Board proposes that Mr Mikael Mäkinen be elected as a new member of the Board of Directors for the term expiring at the close of the Annual General Meeting 2020.

The Nomination Board proposes that Mr Mikael Mäkinen be elected as Chairman of the Board and Mr Aaro Cantell be re-elected as Vice-Chairman of the Board.

Mr Bo Risberg has informed the Nomination Board that he will not be available in the election of the Board of Directors in the next Annual General Meeting.



