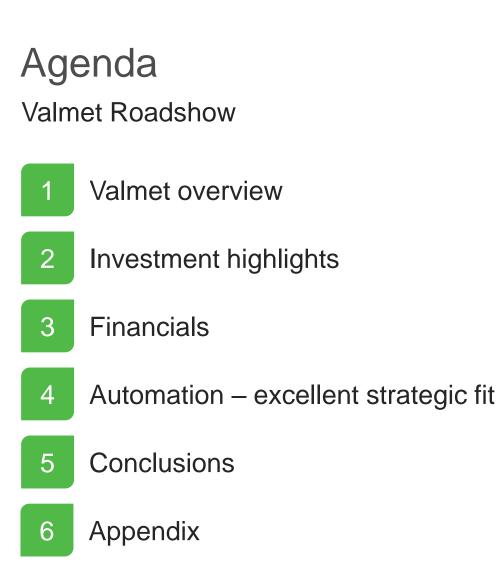
### Valmet – unique offering with process technology, automation and services

Roadshow material October 2015

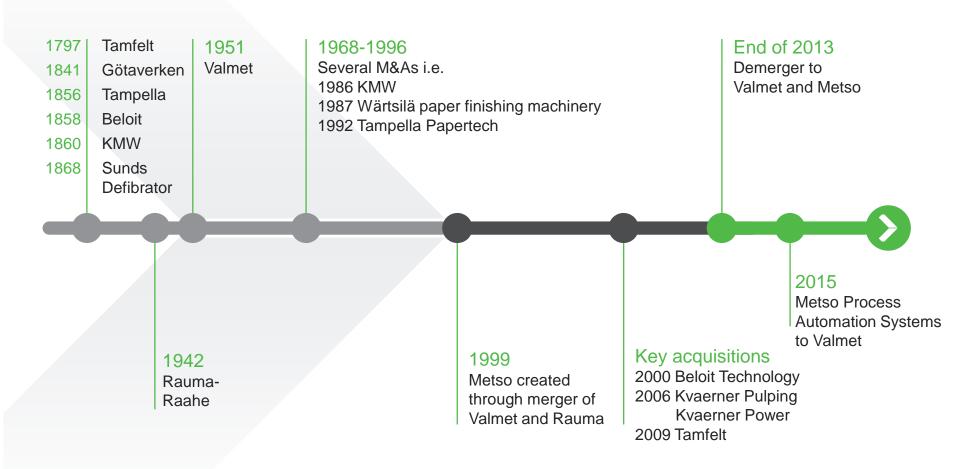




### Valmet overview



## Valmet has over 200 years of industrial history

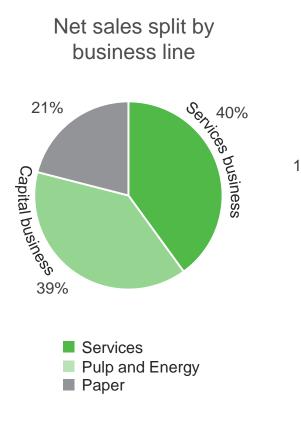


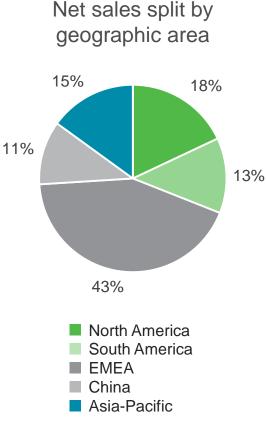


# Key figures 2014 Excluding Automation business line

Orders received EUR 3,071 million Net Sales EUR 2,473 million EBITA before NRI<sup>1</sup> EUR 106 million Employees 10,464

Market position #1-2 Services #1-2 Pulp #1-3 Energy #1-2 Paper, board, tissue







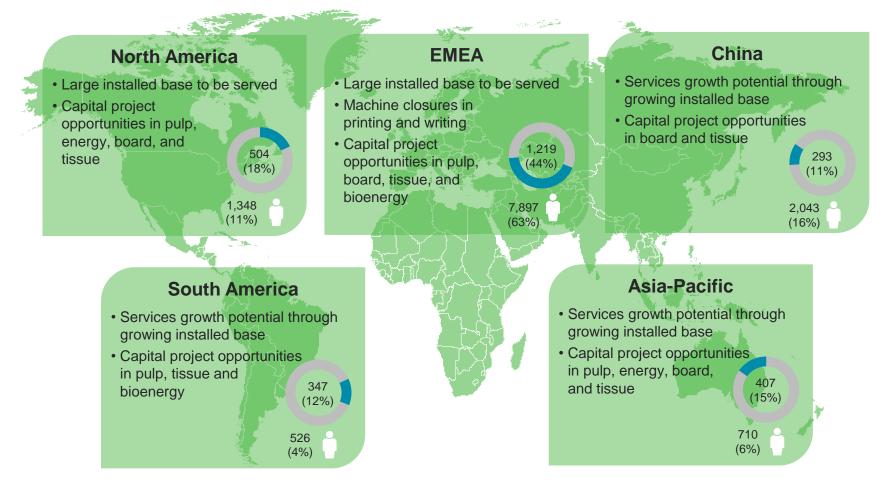
# Our four business lines serve the same customer base



4) Net sales 2010–2013 by business line on a carve-out basis for the periods indicated (excl. Intra-Metso net sales).

5) Percent of total, excluding Automation (2014 figures)

# Strong global presence provides a good platform for growth



Illustrative net sales in 2014 (EUR million and % of total)

Number of employees in June, 2015 (number of employees and % of total) 7 October, 2015

© Valmet

Valmet 🔷

## Valmet's way forward

#### **Our Mission**

Converting renewable resources into sustainable results

#### **Our Strategy**

Valmet develops and supplies competitive technology and services to the pulp, paper and energy industries.

We are committed to moving our customers' performance forward.

#### Our Must-Wins

- ↗ Customer excellence
- Leader in technology and innovation
- Z Excellence in processes
- ↗ Winning team

#### **Our Vision**

To become the global champion in serving our customers

#### Our Values create and strengthen our culture

**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**

- Need for renewable solutions
- · Bio-economy and climate change
- · Increase in standards of living



# Automation – excellent strategic fit



# Valmet becomes a stronger company as a result of acquiring Automation

The acquisition was announced on January 15, 2015 and closed on April 1, 2015

The acquisition has an excellent strategic fit



Combination of Valmet and Automation creates a unique customer offering

Automation is a strong, established business



Acquisition makes Valmet more stable and more profitable





# Automation in brief (2014)

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

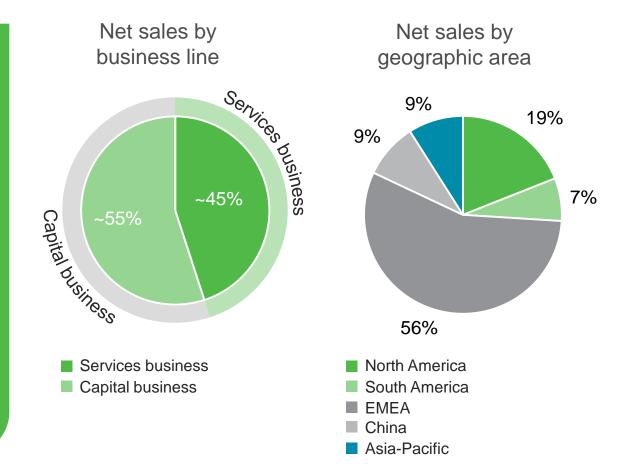
Orders received EUR 336 million Net sales EUR 297 million Employees ~1,600

# Position in pulp and paper

#1 Analyzers

#1-2 Quality control systems

#3 Distributed control systems





### Automation is a strong, established business

- Long-term customer relations
- High level of technology and know-how
- Strong service business, based on large installed base and captive business model
- ~1,600 automation professionals working close to customers at ~80 locations around the world
- Significant proprietary know-how
- Good financial track record and stable cash flow

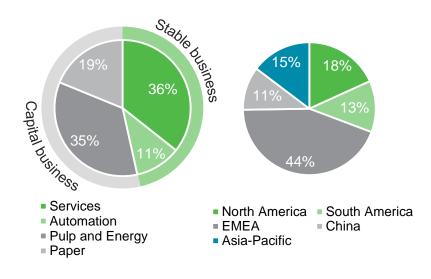




# Valmet with Automation

Increased stability and improved profitability

### Illustrative net sales in 2014<sup>1</sup>



### Improving profitability

- Automation has a solid financial track record
  - Historically continuous double-digit EBITA margin of 10–12%
  - Stable net sales, with slight growth
- Increases Valmet's profitability
  - Valmet's financial target: EBITA margin of 6–9%

### **Increasing stability**

- Valmet will have approximately EUR 1,300 million of stable business
  - Existing services EUR ~1,000 million
  - Automation EUR ~300 million



1) Illustrative net sales split when Valmet and Automation combined (2014 figures).

## Investment highlights



# Investment highlight summary



Strong market position in growing markets



**Growing, profitable and stable** service and automation business with **EUR 1.3 billion sales** 



Strong in cyclical capital business with long-term growth potential and increased flexibility in cost structure



**Unique offering** with process technology, automation and services

5

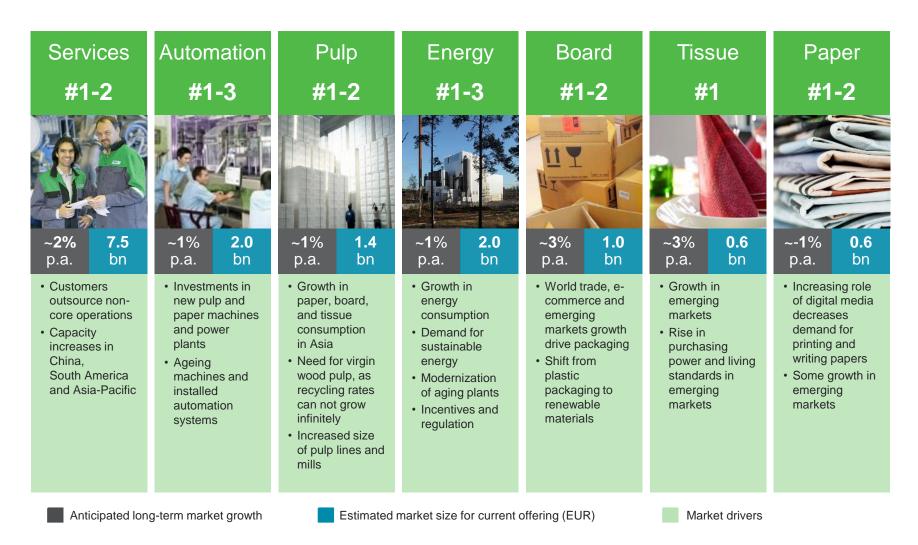
Continued focus on profitability, more effort into renewal





#### 2 3 4 5

### Strong market position in growing markets



Source: Leading consulting firms, RISI, management estimates



#### 2 3 4 5

# Growing, profitable and stable service and automation business with EUR 1.3 billion sales



#### Growing

- Services net sales growth on average over 3% p.a. during the last 5 years
- Slight growth in Automation net sales over the last 10 years

### **Profitable**

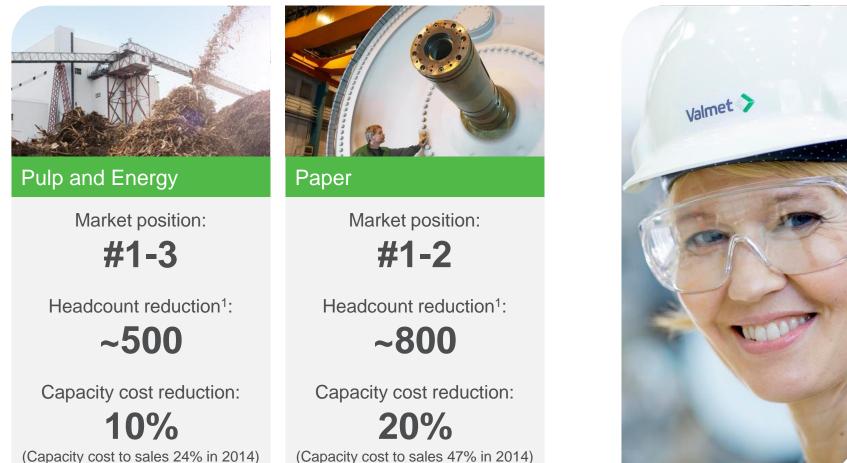
 Relatively stable margins in Automation during the last 10 years, EBITA margin 10–12%

#### **Stable**

 Services and Automation together approximately EUR 1.3 billion of stable business



Strong in cyclical capital business with long-term growth potential and increased flexibility in cost structure



(Capacity cost to sales 24% in 2014)

Reduction in number of employees during 2014 1)



2 3 4 5

# Unique offering with process technology, automation and services



Services

Automation

- Valmet is a technology and service company with full automation offering
- Strengthened competitiveness from combination of paper, pulp and power plant technology, process know-how and automation
- Full scope offering gives better differentiation from competitors



2 3 4 5

# Continued focus on profitability, more effort into renewal

Continued focus on profitability improvement measures	<ul> <li>Improve project and service margin</li> <li>Reduce quality costs and lead times</li> <li>Savings in procurement</li> <li>Continue to improve cost competitiveness</li> <li>Improve cost competitiveness to increase gross profit</li> </ul>
Increased focus on renewal	<ul> <li>Constant improvement of technology and offering</li> <li>Results in research and development, e.g. OptiConcept M</li> <li>Improvement in customer relations</li> <li>Development of personnel</li> <li>Acquiring Process Automation Systems renews Valmet and strengthens know-how</li> </ul>



### Financials



### **Financial targets**

Growth	Net sales growth to exceed market growth
Profitability	EBITA <sup>1</sup> before non-recurring items: 6-9%
ROCE	Return on capital employed (pre-tax), ROCE <sup>2</sup> : minimum of 15%
Dividend policy	Dividend payout at least 40% of net profit



1) EBITA before non-recurring items = operating profit + amortization + non-recurring items

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



## Q2/2015 in brief



#### Strong start for Automation as part of Valmet

- Acquisition of Process Automation Systems was completed on April 1, 2015
- Automation became Valmet's fourth business line Q2/2015 the first reported quarter for Automation
- Positive feedback from customers and employees



#### Orders received and net sales increased in stable business

- · Orders received increased in Services compared with Q2/2014, strong quarter in Automation
- Net sales increased in Services compared with Q2/2014, strong quarter in Automation



#### Orders received decreased and net sales increased in capital business

- Orders received decreased from the high level in Q2/2014 in Pulp and Energy, and Paper business lines
- Net sales increased in Paper and remained at the previous year's level in Pulp and Energy



#### Order backlog at EUR 2.2 billion

• Order backlog EUR 144 million higher than at the end of Q1/2015



#### Good development in profitability

- EBITA<sup>1</sup> more than doubled to EUR 54 million
- EBITA<sup>1</sup>-margin increased to 6.9 percent



#### Net debt increased due to Automation acquisition

- Net debt EUR 238 million, and gearing 29%
- Cash flow provided by operating activities EUR 17 million





## Key figures Q2/2015

EUR million	Q2/2015	Q2/2014	Change	Q1–Q2/2015	Q1–Q2/2014	Change
Orders received	781	1,023	-24%	1,360	2,124	-36%
Order backlog <sup>1</sup>	2,208	2,406	-8%	2,208	2,406	-8%
Net sales	779	588	33%	1,340	1,107	21%
EBITA <sup>2</sup>	54	22	>100%	73	26	>100%
% of net sales	6.9%	3.7%		5.5%	2.3%	
EBIT <sup>3</sup>	32	16	96%	46	9	>100%
% of net sales	4.1%	2.8%		3.4%	0.8%	
Earnings per share, EUR	0.14	0.07	97%	0.19	0.03	>100%
Return on capital employed (ROCE), before taxes <sup>4</sup>				9%	3%	
Cash flow provided by operating activities	17	46	-63%	-3	89	
Gearing <sup>1</sup>	29%	-7%		29%	-7%	

Non-recurring items: EUR -12 million in Q2/2015 (EUR 0 million in Q2/2014), EUR -12 million in Q1–Q2/2015 (EUR -6 million in Q1–Q2/2014). Costs related to acquisition of Automation amounted to approximately EUR 10 million in Q2/2015.

1) At the end of period

2) Before non-recurring items

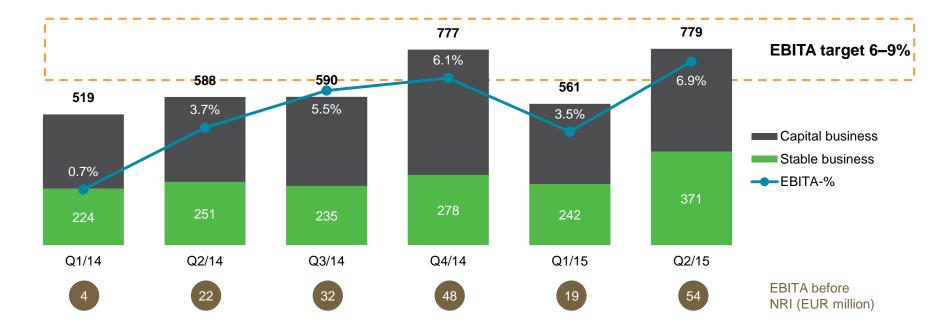
3) After non-recurring items

4) Annualized



## EBITA-margin reached the targeted range

Net sales and EBITA before NRI (EUR million)



• Net sales and profitability increased compared with both Q2/2014 and Q1/2015

- Profitability improved due to the higher level of net sales, improved gross profit, and the acquisition of the automation business
- Changes in foreign exchange rates<sup>1</sup> increased net sales by EUR 31 million and EBITA by EUR 2 million

1) Compared with the exchange rates for April–June, 2014



## Guidance and short-term market outlook

#### Guidance for 2015 (as given on February 6, 2015)

Guidance for 2015

Valmet estimates that, including the acquisition of Process Automation Systems, net sales in 2015 will increase in comparison with 2014 (EUR 2,473 million) and EBITA before non-recurring items in 2015 will increase in comparison with 2014 (EUR 106 million).

#### Short-term market outlook

		Q3/2014	Q4/2014	Q1/2015	Q2/2015
Services		Satisfactory	Satisfactory	Satisfactory	Satisfactory
Pulp and Energy	Pulp	Satisfactory	Satisfactory	Good	Good
	Energy	Satisfactory	Satisfactory	Weak	Weak
Paper	Board and Paper	Good	Good	Good	Good
	Tissue	Satisfactory	Satisfactory	Satisfactory	Satisfactory
Automation		-	-	Satisfactory	Satisfactory



## Conclusion



# Investment highlight summary



Strong market position in growing markets



Growing, profitable and stable service and automation business with EUR 1.3 billion sales



Strong in cyclical capital business with long-term growth potential and increased flexibility in cost structure



**Unique offering** with process technology, automation and services



Continued focus on profitability, more effort into renewal





### 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

Management, ownership and share price development
 Financials
 Automation
 Offering
 Market statistics



### Appendix Management, ownership and share price development



### **Experienced Executive Team**

#### Corporate



Pasi Laine President and CEO Share ownership: 49,021





Jukka Tiitinen Business Line President, Services Share ownership<sup>2</sup>: 23,770





William Bohn Area President, North America Share ownership: 6,652



Markku Honkasalo CFO Share ownership: 5,148



Sakari Ruotsalainen Business Line President, Automation



Share ownership: 8,090

Celso Tacla Area President, South America Share ownership: 18,365



Kari Saarinen SVP, Strategy and Operational Development Share ownership: 6,325



Bertel Karlstedt Business Line President, Pulp and Energy Share ownership: 4,500



Vesa Simola Area President, EMEA Share ownership: N/A



Julia Macharey SVP, Human Resources Share ownership: 3,455



Jari Vähäpesola Business Line President, Paper Share ownership: 12,391



Aki Niemi Area President, China Share ownership: 8,000



Anu Salonsaari-Posti SVP, Marketing & Communications Share ownership1: 1,500



Hannu T. Pietilä Area President, Asia-Pacific Share ownership: 8,432



Includes 100 shares in Valmet owned by Ms. Salonsaari-Posti's family members
 Includes 100 shares in Valmet owned by Mr. Tiitinen's family members

## **Board of Directors**



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

- BSc in Mech. Engineering, MBA
- Selected experience:
  - CoB of Piab Group Holding
- Vice CoB of Grundfos A/S and IMD
- Member of the BoD of Norstjernan AB and Trelleborg AB
- Share ownership: 3,922
- Independent of company: Yes
- Independent of owners: Yes



#### Erkki Pehu-Lehtonen (b. 1950) Board member Finnish citizen

- MSc in Mechanical Engineering
- Selected experience:
- Member of Metso board since 2010
- CoB of Raute Corporation
- President and CEO of Pöyry (1999-2008)
- Share ownership: 7,366
- · Independent of company: Yes
- · Independent of owners: Yes



#### Mikael Von Frenckell

(b. 1947) Vice Chairman of the Board Finnish citizen

- MSc in Social Sciences
- Selected experience:
- Vice CoB of Metso since 2012, board member since 2010
- Member of the BoD of Antti Ahlströmin Perilliset Oy and Sponsor Capital Oy
- Share ownership: 107,989
- Independent of company: Yes
- Independent of owners: Yes



#### Friederike Helfer (b. 1976)

Board member Austrian citizen

- MSc in Real Estate Development, Diplom-Ingenieur in Urban Planning, CFA charterholder
- Selected experience:
  - Partner at Cevian Capital, joined Cevian Capital in 2008
- Engagement Manager at McKinsey (2004-2008)
- Share ownership: 4,187
- Independent of company: Yes
- Independent of owners: Yes



#### Lone Fønss Schrøder

(b. 1960) Board member Danish citizen

- MSc in Economics, Accounting; LL.M.
- Selected experience:
  - Member of the BoD of Saxobank A/S, Aker Solutions, Volvo PV AB, NKT Holding A/S, Schneider SE, Bilfinger Berger SE
- Share ownership: 5,235
- Independent of company: Yes
- Independent of owners: Yes



#### Rogério Ziviani (b. 1956) Board member Brazilian citizen

- BSc in Business Management, MSc in Business Administration
- Selected experience:
  - Member of the BoD of Contax Participações S.A and HSBC – SRI – FI – Sustainability Fund
  - Member of the Brazilian Institute of Corporate Governance
- Share ownership: 4,187
- Independent of company: Yes
- Independent of owners: Yes



### Largest shareholders on September 30, 2015 Based on the information given by Euroclear Finland Ltd.

# Shareholder name	Number of shares	% of shares and votes
1 Solidium Oy <sup>1</sup>	16,695,287	11.14%
2 Solero Luxco S.A.R.L	5,349,756	3.57%
3 Varma Mutual Pension Insurance Company	4,208,465	2.81%
4 Nordea Funds	3,681,332	2.46%
5 Ilmarinen Mutual Pension Insurance Company	2,980,055	1.99%
6 The State Pension Fund	1,520,000	1.01%
7 Keva	1,502,166	1.00%
8 OP Funds	1,298,549	0.87%
9 Danske Invest funds	1,269,000	0.85%
10 Mandatum Life Insurance Company Limited	1,217,307	0.81%
10 largest shareholders, total	39,721,917	26.51 %
Other shareholders	110,142,702	73.49 %
Total	149,864,619	100.00 %

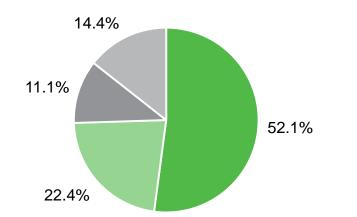
#### Flagging notifications

Date	Shareholder name	Number of shares	% of shares and votes
June 9, 2015	Franklin Templeton Institutional, LLC	7,196,324	4.80%
February 13, 2015	Cevian Capital Partners Ltd.	10,323,191	6.89%
November 6, 2014	Nordea Funds Oy	7,240,716	4.83%
October 15, 2014	Franklin Templeton Institutional, LLC	7,517,629	5.02%
March 10, 2014	Cevian Capital Partners Ltd.	20,813,714	13.89%

1) A holding company that is wholly owned by the Finnish State



## Ownership structure on September 30, 2015



- Nominee registered and non-Finnish holders
- Finnish institutions, companies and foundations
- Solidium Oy
- Finnish private investors

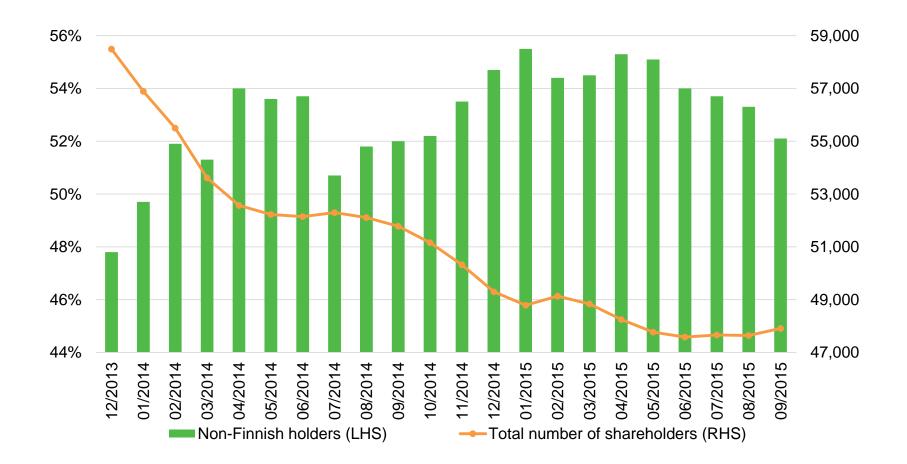
Sector	Number of shareholders	% of total shareholders	Number of shares	% of shares
Nominee registered and non-Finnish holders	293	0.6%	78,047,951	52.1%
Finnish institutions, companies and foundations	2,630	5.5%	33,564,662	22.4%
Solidium Oy <sup>1</sup>	0	0.0%	16,695,287	11.1%
Finnish private investors	44,984	93.9%	21,556,719	14.4%
Total	47,907	100.0%	149,864,619	100.0%

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



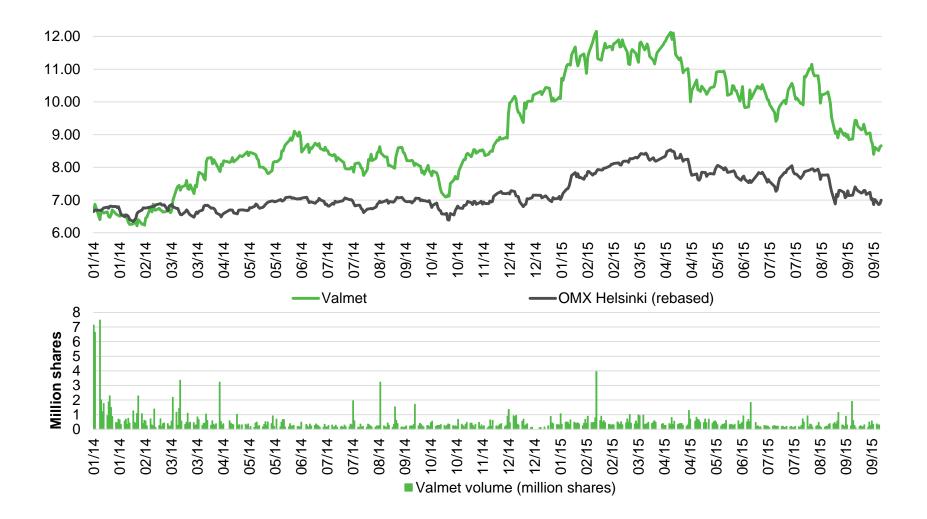
1) A holding company that is wholly owned by the Finnish State

# Share of non-Finnish holders and number of shareholders





#### Share price development and trading volume





#### Appendix Financials



#### Latest development in sustainability

- Valmet has defined a sustainability agenda as part of the implementation of its business strategy
- Valmet has been selected for the world's leading Dow Jones Sustainability Index among three (3) other Finnish companies
- Valmet scored high points in CDP climate change index and was included in the Nordic Climate Disclosure Leadership Index (CDLI)
- Join the discussion to develop Valmet's sustainability performance further at Valmet's website



Dow Jones Sustainability Indices In Collaboration with RobecoSAM ()





### Customer activity increased in 2014

#### Announced orders during H1/2014

Date	Description	Business line
Jan 9	Prehydrolysis system (pilot scale)	Pulp and Energy
Jan 27	Multi-fuel boiler	Pulp and Energy
Jan 31	Upgrade of recovery boiler and power boiler	Pulp and Energy
Feb 7	Key technology for pulp mill	Pulp and Energy
Feb 10	Paper machine rebuild	Paper
Feb 13	Heat recovery steam generator	Pulp and Energy
Feb 17	Bleach plant rebuild	Pulp and Energy
Feb 27	Wood-chip-fired heating plant	Pulp and Energy
Mar 7	Containerboard line	Paper
Mar 19	Tissue production line	Paper
Mar 27	CompactCooking G2 cooking plant	Pulp and Energy
Mar 27	Waste to energy boiler	Pulp and Energy
Apr 3	Advantage tissue production line	Paper
Apr 28	Large-scale boiler plant	Pulp and Energy
May 5	Pulp and board production lines	Paper, and Pulp and Energy
May 6	Finalized order agreement for pulp dryers	Pulp and Energy
May 13	Paper machine grade conversion rebuild	Paper
May 20	Complete boiler plant	Pulp and Energy
May 20	Complete boiler plant	Pulp and Energy
May 21	Part of a major pulp mill rebuild	Pulp and Energy
May 21	A boiler plant	Pulp and Energy
	Major rebuild and new equipment for pulp mill	Pulp and Energy
	Part of a pulp mill upgrade	Pulp and Energy
Jun 24	New sizing technology	Paper
Jun 27	Complete Advantage ThruAir tissue line	Paper

Value
Not disclosed
Not disclosed
Not disclosed
Approximately EUR 340 million
Not disclosed (typically above EUR 20 million)
Nearly EUR 10 million
Not disclosed (typically above EUR 20 million)
Around EUR 27 million
Not disclosed
Not disclosed (typically EUR 20-40 million)
About EUR 30 million
Not disclosed
Not disclosed
Typically one third of the total investment of EUR 260 million.
Around EUR 115 million
A project of this size and scope is typically valued at EUR 150-200 million.
Around EUR 30 million
About EUR 50 million
About EUR 50 million
Around EUR 30 million
Around EUR 30 million
Around EUR 200 million
Not disclosed
Not disclosed
Not disclosed



### Customer activity increased in 2014

#### Announced orders during H2/2014

Date	Description	Business line	Country	Value
Jul 2	Advantage DCT 200 tissue line	Paper	Middle East	Not disclosed
Jul 8	Wood chipping plant	Pulp and Energy	Sweden	Around EUR 20 million
Aug 4	Advantage NTT line	Paper	USA	Not disclosed
Aug 15	Paper machine grade conversion rebuild	Paper	Thailand	Typically valued at around EUR 20 million
Aug 18	OptiConcept M board production line	Paper	USA	Not disclosed
Aug 20	Tissue production line	Paper	Turkey	Not disclosed
Sep 11	Flue-gas cleaning system	Pulp and Energy	Finland	Roughly EUR 10 million
Oct 7	Equipment for evaporator train upgrade	Pulp and Energy	USA	Not disclosed
Oct 13	Biomass based power plant	Pulp and Energy	Sweden	About EUR 30 million
Oct 30	Advantage DCT 200HS tissue line	Paper	China	Not disclosed
Nov 18	Flue gas scrubber	Pulp and Energy	Finland	Not disclosed
Nov 19	Press section rebuild	Paper	Czech Republic	Not disclosed
Nov 20	Advantage DCT 200HS tissue line	Paper	Poland	Not disclosed
Dec 3	A winder and auxiliaries	Paper	Finland	Not disclosed
Dec 8	Flue-gas cleaning and condensation plant	Pulp and Energy	Finland	Around EUR 8 million
Dec 15	New machine for folding boxboard production	Paper	Sweden	Typically valued at around EUR 60-70 million



#### Announced orders in H1/2015

Date	Description	Business line	Country	Value
Jan 23	Key board machine solutions	Paper	China	Not disclosed
Feb 4	Flue-gas cleaning and condensation plant	Pulp and Energy	Finland	Around EUR 8 million
Feb 17	Equipment for fluff conversion project	Pulp and Energy, and Paper	USA	Not disclosed
Mar 2	OptiConcept M containerboard line	Paper	Taiwan	Not disclosed
Mar 3	Softwood line rebuild	Pulp and Energy	Sweden	Not disclosed
Mar 11	Biomass based boiler plant	Pulp and Energy	Finland	Valmet's delivery slightly more than half of EUR 45 million total investment
Mar 30	Tissue machine rebuild	Paper	Turkey	Not disclosed
Apr 20	Key technologies for paper machine grade conversion	Paper	Finland	Valmet delivery is a part of customer's total EUR 70 million equipment order
Apr 22	Key technologies to bioproduct mill	Pulp and Energy	Finland	About EUR 125–150 million
Jun 9	Modernize automation and remote control	Automation	Finland	Not disclosed <sup>1</sup>
Jun 16	Upgrade of the evaporation plant	Pulp and Energy	Sweden	Not disclosed (a project of this type and scope is typically valued at around EUR 10 million)
Jun 23	Repeat order for two energy recovery systems	Paper	Italy and Poland	Not disclosed
Jun 24	Automation to a new waste-to-energy plant	Automation	UK	Not disclosed <sup>1</sup>
Jun 29	Two orders for automation technology	Automation	Finland	Not disclosed <sup>1</sup>
Jun 30	OptiConcept M fine paper making line	Paper	Indonesia	Not disclosed

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



#### Announced orders in H2/2015

Date	Description	Business line	Country	Value
Jul 6	Winding technology for paper machine grade conversion rebuild	Paper	Netherlands	Not disclosed
Jul 7	White liquor handling system	Pulp and Energy	Sweden	Not disclosed
Aug 18	Main equipment to a pulp mill project	Pulp and Energy	China	Approximately EUR 110 million
Aug 20	Tissue machine rebuild	Paper	Germany	Not disclosed
Aug 21	OptiConcept M paper making line	Paper	China	Not disclosed. An order of this scope is typically valued around EUR 40-50 million.
Aug 24	Analyzers and quality control system	Automation	Finland	Not disclosed <sup>1</sup>
Aug 27	Flue gas desulphurization and denitrification installation	Pulp and Energy	Poland	Approximately EUR 40 million
Sep 2	Automation to new power plant	Automation	Finland	Not disclosed <sup>1</sup>
Sep 3	Advantage NTT tissue production line	Paper	USA	Not disclosed
Sep 7	Consumables and roll service agreement	Services	Sweden	Not disclosed
Sep 8	Automation for new-generation LNG-powered fast ferry	Automation	Finland	Not disclosed
Sep 14	Advantage NTT tissue production line	Paper	Portugal	Not disclosed
Sep 15	Two Advantage DCT tissue production lines	Paper	China	Not disclosed
Sep 24	District heat network optimization and a production planning system	Automation	Finland	Not disclosed
Oct 2	Pulp cooking system	Pulp and Energy	USA	Not disclosed
Oct 7	Solids measurement and sludge dewatering optimizer	Automation	Finland	Not disclosed
Oct 14	Online fiber analyzer	Automation	USA	Not disclosed

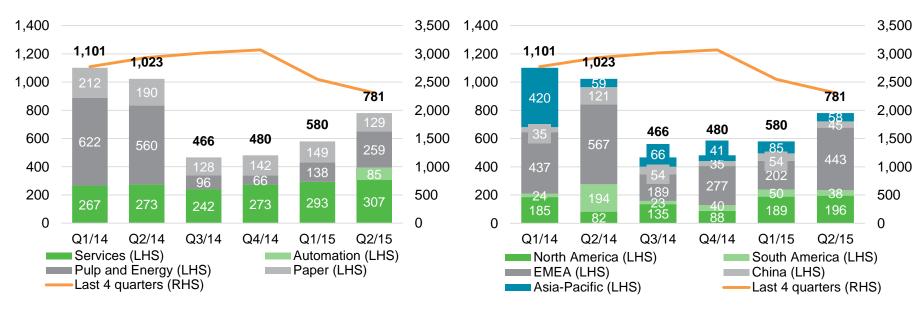
Valmet 🔷

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

# Growing trend in orders received – stable business orders received EUR 392 million

Orders received (EUR million), by business line

Orders received (EUR million), by area



- Orders received increased in Services: The increased focus is showing results
- Orders received EUR 85 million in Automation
- Orders received decreased in Pulp and Energy: One large pulp order in Q2/2015
- Orders received decreased in Paper: Increase in Tissue, decrease in Board and Paper
- Orders received increased in North America

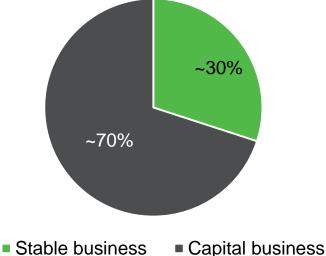


### Order backlog at EUR 2.2 billion

#### Order backlog (EUR million)

#### 3,000 2,500 2,406 2,312 2,000 2,208 2,064 1,998 1,972 1,500 1,000 500 0 Q1/14 Q2/14 Q3/14 Q4/14 Q1/15 Q2/15

#### Structure of order backlog

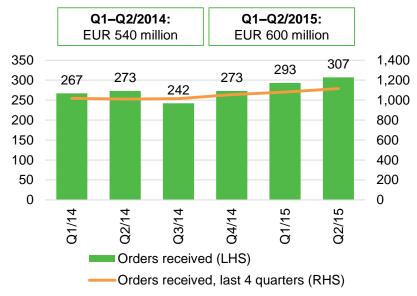


- About 60% of the order backlog is currently expected to be realized as sales during 2015
- Approximately 30% of the order backlog relates to stable business

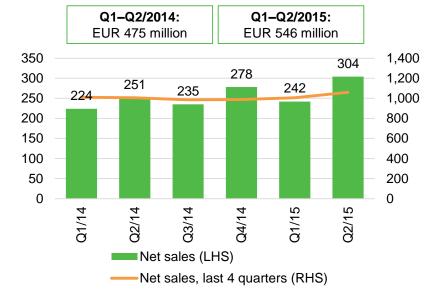


# Growth in orders received and net sales in Services

Orders received (EUR million)



#### Net sales (EUR million)



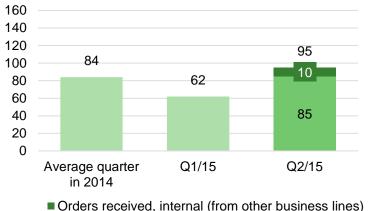
- · Services orders received increased compared with Q2/2014
  - Orders received increased in China, South America and Asia-Pacific, and remained stable compared with Q2/2014 in EMEA and North America
  - Orders received decreased in Mill Improvements, and increased in all other business units
  - Changes in foreign exchange rates<sup>1</sup> increased orders received by approximately EUR 16 million
- Net sales increased compared with Q2/2014
  - 1) Compared with the exchange rates for April–June, 2014





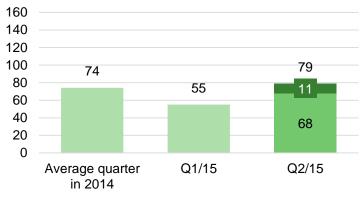
### Strong start in Automation

#### Orders received<sup>1, 2</sup> (EUR million)



- Orders received, reported
- Orders received, total (including internal)

#### Net sales (EUR million)



- Net sales, internal (from other business lines)
- Net sales, reported
- Net sales, total (including internal)

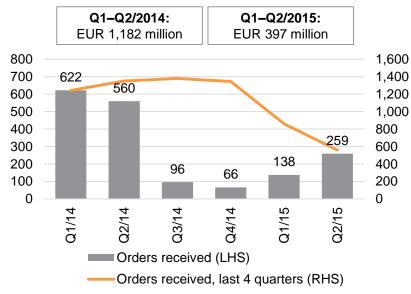
- Orders received EUR 95 million in Q2/2015
  - Internal orders received amounted to EUR 10 million
  - EMEA accounted for ~60% and North America for ~20% of orders received
  - Pulp and Paper accounted for ~70% and Energy and Process for ~30% of orders received
- Net sales EUR 79 million in Q2/2015
  - Internal net sales amounted to EUR 11 million

- 1) Q1/2015 orders received is calculated from Metso's reported figures and pro forma figures excluding Process Automation Systems and are therefore indicative only. Q2/2015 figures are Automation business line figures.
- 2) Average quarter has been calculated by dividing 2014 figures by 4 (in 2014, orders received EUR 336 million and net sales EUR 297 million).

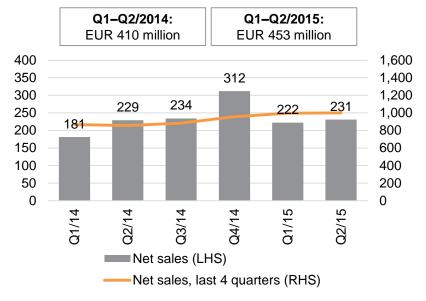


## Pulp and Energy orders received EUR 259 million, net sales stable

Orders received (EUR million)







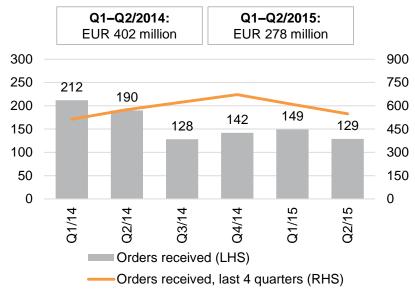
- Orders received decreased compared with Q2/2014
  - Orders received increased in North America, and decreased in other areas
  - Orders received decreased in both Pulp and Energy
- Net sales remained stable compared with Q2/2014



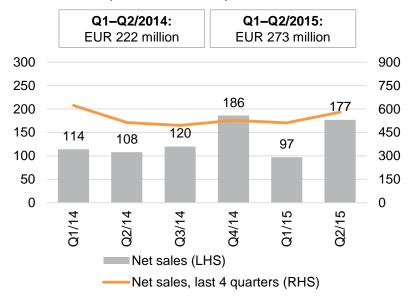


## Paper orders received EUR 129 million, net sales increased

#### Orders received (EUR million)



#### Net sales (EUR million)



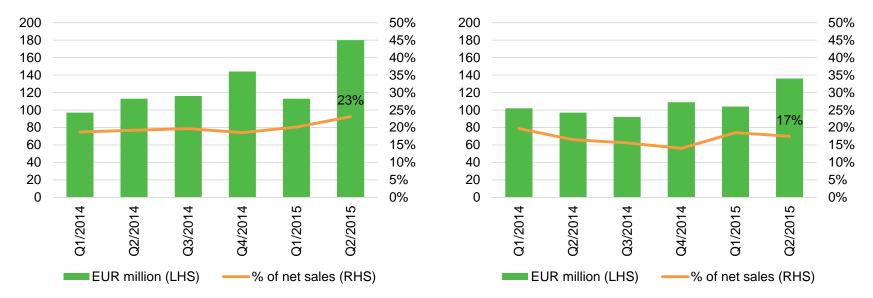
- Orders received decreased compared with Q2/2014
  - Orders received increased in North America, remained stable compared with Q2/2014 in EMEA, South America and Asia-Pacific, and decreased in China
  - Orders received increased in Tissue, and decreased in Board and Paper
- Net sales increased compared with Q2/2014





### Good development in gross profit

Gross profit (EUR million and % of net sales)



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

- Gross profit increased, also when excluding the impact of Automation
- Selling, general & administrative (SG&A) expenses under control
- Further actions to improve gross profit through Must-Win implementation



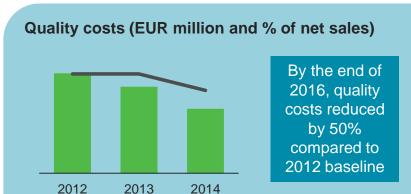
### Development of capacity costs and quality costs



- EUR 100 million cost competitiveness program successfully implemented in 2013–2014
  - Higher than planned capacity cost savings
  - Headcount reduction since Q3/2013 >1,600 employees

#### • In 2014–2015, capacity cost will be flat

- Despite slightly growing headcount and growth investments in some areas



- Implement Lean
  - Launch Valmet Lean program
  - Provide Lean training for a wide group
  - Define and set up Lean measurement system
  - Each business line and area to have Lean projects

#### Reduce lead times

- Utilize Value Stream Mapping and Visual Management
- Identify and eliminate waste
- Reduce quality costs
  - Consolidate quality feedback systems as feasible
  - Emphasis on finding root causes and implementing corrective action

1) Capacity cost means total fixed type of own costs which generally do not vary with production levels and which are based on present normal capacity, e.g. wages & salaries, rents & leases, estates & equipment, travel, common functions, telecom expenses, insurances and other outside services



### Strategy implementations through Must-Wins

Must-Wins	Must-Win implementation objectives for 2015	>
Customer excellence	<ul> <li>Strengthen our presence close to customers and growth markets</li> <li>Strengthen Key Account Management to enhance growth at the customer</li> <li>Drive services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded customer labeled for the services growth through long-term agreements and expanded</li></ul>	base
Leader in technology and innovation	<ul> <li>Improve product cost competitiveness to increase gross profit</li> <li>Drive renewal through biotechnology solutions and new offering</li> </ul>	
Excellence in processes	<ul> <li>Implement Lean to reduce quality costs and lead times</li> <li>Save in procurement</li> <li>Improve health and safety</li> <li>Sales and project management process to improve product margin</li> <li>Continue to improve cost competitiveness</li> </ul>	
Winning team	<ul> <li>Nurture shared values</li> <li>Drive high performance</li> <li>Continue globalization of our capabilities</li> </ul>	



## Key Must-Win objectives to increase the profitability

Improve project and service margin	Reduce quality costs and lead times	Savings in procurement	Improve product cost competitiveness to increase gross profit
<ul> <li>Harmonization of processes</li> <li>Localization of competencies</li> <li>Better selection of sales cases</li> <li>Development in project management</li> </ul>	<ul> <li>Common quality development approach</li> <li>Quality tools and processes</li> <li>Highlight the importance of quality initiatives and accountability</li> </ul>	<ul> <li>Increase sourcing from cost competitive countries</li> <li>Increase use of sub-contracting</li> <li>Consolidation of shipment and warehouse network</li> </ul>	<ul> <li>Focus on cost efficient design</li> <li>Modularity and standardization</li> </ul>



### Cash flow, net debt, gearing and equity ratio

-54

-7%

Q2/14

158

Q3/14

-20% -21%

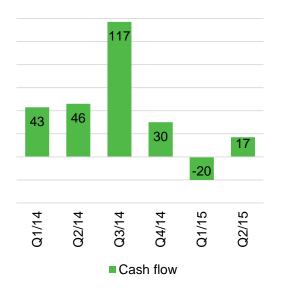
Net debt ——Gearing

Q4/14

-5%

Q1/14

Cash flow provided by operating activities (EUR million)



Net debt (EUR million) and gearing (%)

Equity to assets ratio (%)



- CAPEX excluding business acquisitions (EUR -9 million) less than depreciation (EUR -15 million)
- Gearing (29%) and net debt (EUR 238 million) increased due to acquisition

Q2/15

29%

134

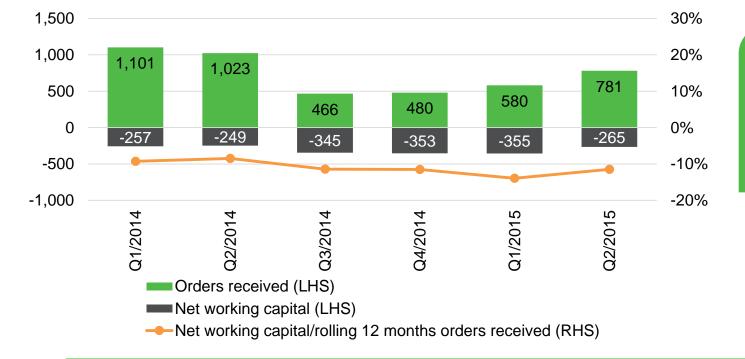
-17%

Q1/15

Equity to assets ratio increased from Q1/2015 but decreased from Q2/2014 due to acquisition



### Net working capital development



Net working capital and orders received (EUR million)

- Net working capital EUR -265 million, which equals -11% of rolling 12 months orders received
- Net working capital has always been negative
- Single big orders have a significant influence on variation of net working capital



Net working

of rolling 12

received

capital has been

on average -9%

months orders

### Foreign exchange risk management in Valmet

- All operating units are required to hedge in full their foreign currency exposures
- Hedging takes place when firm commitment arises or at the latest immediately after operating units have reported their monthly currency exposure
- Valmet is not hedging any translation risk arising from subsidiaries' equity
- Intra corporate dividends, loans and deposits shall be hedged when internal decisions have been made
- Treasury acts as an internal bank for subsidiaries and manages corporate wide foreign currency exposure by hedging Corporate level net exposure towards banks





#### Foreign currency exposure

- The exposure is a net of all assets and liabilities denominated in foreign currencies derived from sales and purchase contracts, projected cash flows and firm commitments
- A 10 percent appreciation or depreciation of EUR against all other currencies would have an effect of, net of taxes, -/+ EUR 1.5 million on EBITA

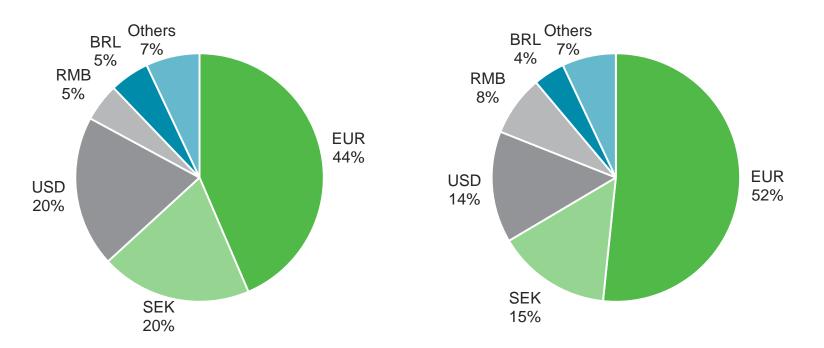




### Split of net sales and costs per currency in 2014

Net sales by currency (2014)

Costs by currency (2014)

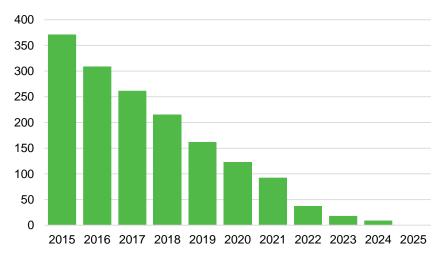


- · Sales and costs in different currencies fairly balanced
- More costs than sales in EUR, vice versa in USD



#### Structure of loans and borrowings Interest-bearing debt EUR 428 million as at June 30, 2015

Amount of outstanding interest-bearing debt (EUR millions)



Average maturity of long-term loans is 3.8 years
 Average interest rate is 1.3%

Main financing sources				
Amount	Lender			
EUR 129 million	European Investment Bank			
EUR 100 million	Skandinaviska Enskilda Banken			
EUR 70 million	Swedish Export Kredit			
EUR 95 million	Nordic Investment Bank			

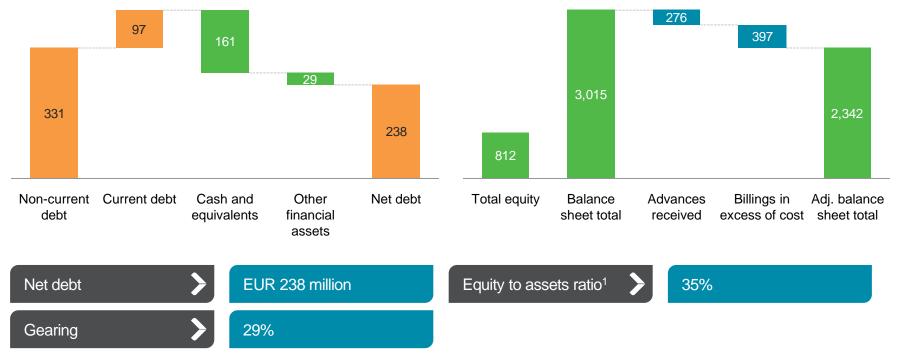
#### **Back-up facilities**

Amount	Outstanding
EUR 200 million syndicated revolving credit facility	EUR 0 million
EUR 200 million domestic commercial paper program	EUR 30 million



### Strong balance sheet to support large orders

#### Financial position as of June 30, 2015 (EUR million)

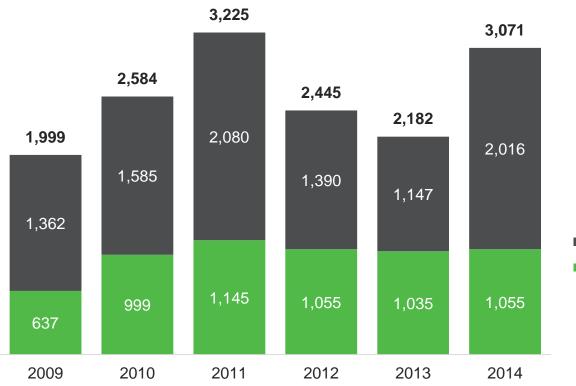


- · Valmet has a strong balance sheet that enables it to participate in large projects
- Valmet has long-term liquidity in place
- 1) Total equity / (Balance sheet total advances received billings in excess of cost and earnings of projects under construction)



### High volatility in market activity

#### Orders received<sup>1</sup> (EUR million)



 Volatility in market activity is high in the capital business

CapitalServices

Valmet 🔷

1) 2014 actual figures, 2012–2013 carve-out figures, 2009–2011 Metso's Pulp, Paper and Power segment figures

### Net sales and profitability development, annual

Net sales and EBITA before NRI (EUR million)<sup>1</sup>



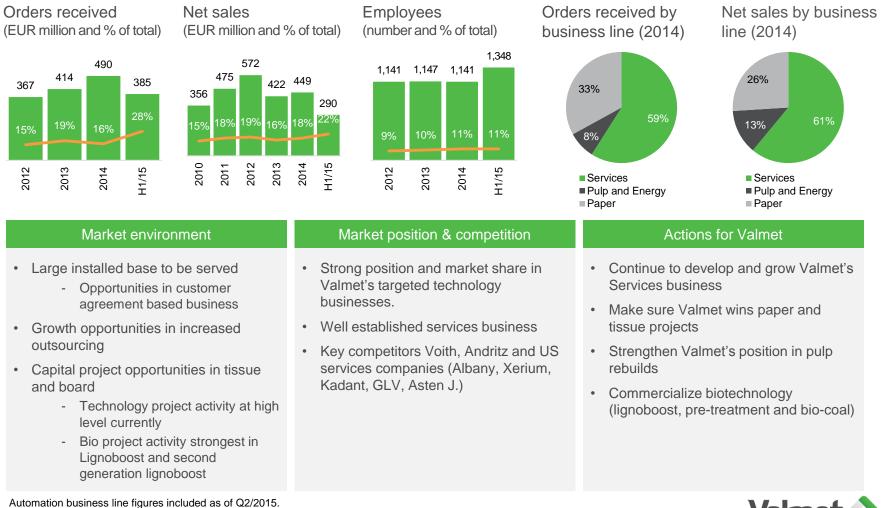
- Timing of large projects has had an impact on the level of net sales
- Good stimulus-driven demand in China 2009–2010 supported orders
- The paper machine market has shifted to smaller and lower-cost machines
- In 2013, the power generation market was affected by low-cost shale gas and political and economical uncertainty in Europe
- Profitability improved in 2014 as a result of cost savings

1) Actual figures for 2014. Carve-out figures for 2010-2013; as reported for Metso's Pulp, Paper and Power segment for 2006-2009



### North America

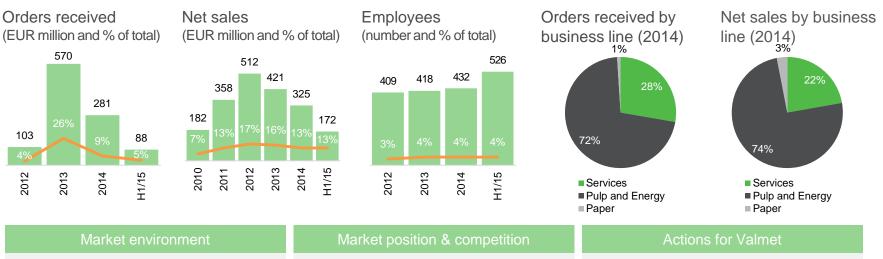
## Mature services focused market with recurring opportunities in paper, tissue and biotechnology



Valmet 🔷

### South America

#### Cyclical capital business relies on new pulp projects. Services, power and tissue provide growth opportunities



- Capital project opportunities in pulp, • tissue and bioenergy
  - Continued pulp mega mill projects planned
  - 2nd generation ethanol emerging
- · Services growth potential
  - Installed base and leaner customer operations
- Growing interest and pipeline for • optimization projects, e.g. energy, chemicals savings; operations and availability of equipment).

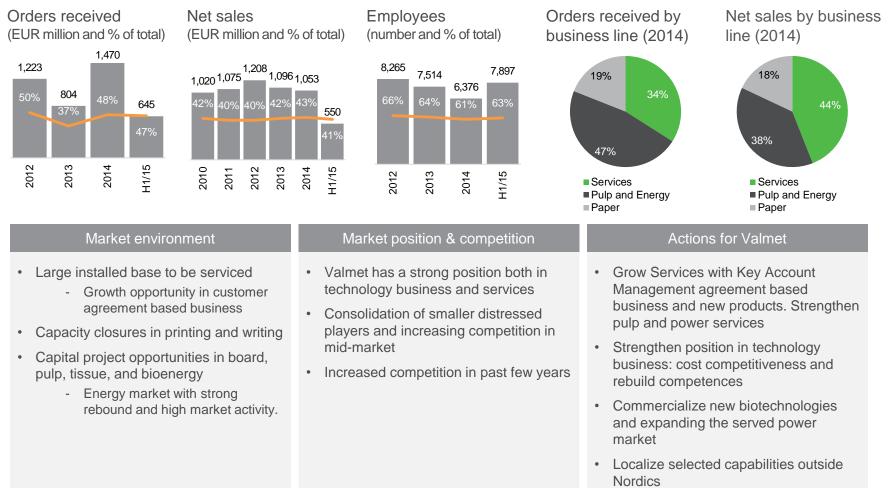
- Fierce competition in new pulp projects
- Strong competition with local and global players in all markets in Services, Paper and Energy
  - Local presence and solutions important

- Keep market share and improve the profitability and risk-return profile of large pulp projects
- Grow the services business by offering new products and service solutions
- Develop solutions and costs to • compete in bioenergy plants.
- Further develop Valmet's local capabilities



### EMEA

## Valmet's largest and most important area with significant services and technology markets in all Valmet's businesses

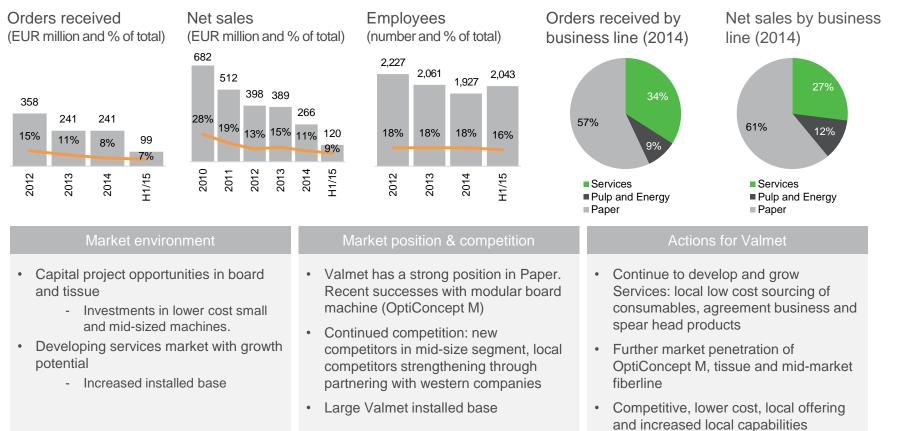




Automation business line figures included as of Q2/2015.

### China

## Paper market flat and Services growing, local low-cost competition present



(application, engineering and project

management)

Automation business line figures included as of Q2/2015.

#### Asia-Pacific

#### A key growth area for Valmet

Orders received (EUR million and % of total) Net sales (EUR million and % of total)

324

2012

285

2013

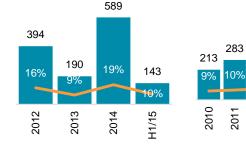
381

2014

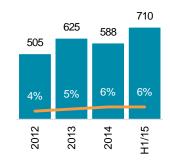
208

16%

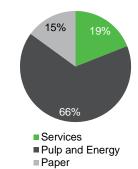
H1/15



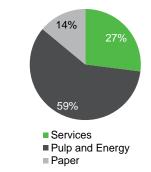
Employees (number and % of total)



#### Orders received by business line (2014)



Net sales by business line (2014)



#### Market environment

- Capital project opportunities in pulp, tissue, and board
  - Increased investments in multifuel and renewable energy development plans in Asia-Pacific countries
  - Opportunities related to customer's portfolio changes or production line upgrades
- Developing services market with growth potential
  - Capacity increases and larger installed base

Automation business line figures included as of Q2/2015.

#### Market position & competition

- Valmet has a strong market position but relatively modest local presence.
- Competitors are growing their local presence

#### Actions for Valmet

- Localize Services business to be more cost competitive and closer to customers: local offering and agreement business, local capabilities and new service centers
- New services center in Indonesia
- Develop technology business with local competences and improved cost competitiveness.

**Board and paper:** rebuilds, components and split machines; **Tissue:** develop competitive setup in Asia-Pacific; **Energy:** current focus on coal but potential also in bioenergy.

 Increase local capabilities to support both services and capital business



### Key ratios

	Q1–Q2/	Q1–Q2/	Q1–Q4/
	2015	2014	2014
Earnings per share, EUR	0.19	0.03	0.31
Diluted earnings per share, EUR	0.19	0.03	0.31
Equity per share at end of period, EUR	5.38	5.19	5.36
Return on equity (ROE), % (annualized)	7%	1%	6%
Return on capital employed (ROCE) before taxes, % (annualized)	9%	3%	9%
Equity to assets ratio at end of period, %	35%	40%	42%
Gearing at end of period, %	29%	-7%	-21%
Cash flow provided by operating activities, EUR million	-3	89	236
Cash flow after investments, EUR million	-351	71	194
Gross capital expenditure (excl. business acquisitions), EUR million	-19	-21	-46
Business acquisitions, net of cash acquired, EUR million	-330	-	-
Depreciation and amortization, EUR million	-43	-36	-72
Number of outstanding shares at end of period	149,864,220	149,864,220	149,864,220
Average number of outstanding shares	149,864,220	149,862,269	149,863,252
Average number of diluted shares	149,864,220	149,862,269	149,863,252
Net interest-bearing liabilities at end of period, EUR million	238	-54	-166



#### Consolidated statement of income

	Q2/2015	Q2/2014	Q1–Q2/	Q1–Q2/
EUR million			2015	2014
Net sales	779	588	1,340	1,107
Cost of goods sold	-599	-475	-1,047	-897
Gross profit	180	113	293	210
Selling, general and administrative expenses	-136	-97	-239	-200
Other operating income and expenses, net	-12	1	-8	-1
Share in profits and losses of associated companies	1	0	1	0
Operating profit	32	16	46	9
Financial income and expenses, net	-2	0	-4	-2
Profit before taxes	31	16	42	7
Income taxes	-9	-5	-13	-2
Profit / loss	21	11	29	5
Attributable to:				
Owners of the parent	21	11	29	5
Non-controlling interests	0	0	0	0
Profit / loss	21	11	29	5
Earnings per share attributable to owners of the parent:				
Earnings per share, EUR	0.14	0.07	0.19	0.03
Diluted earnings per share, EUR	0.14	0.07	0.19	0.03



#### Balance sheet as at June 30, 2015

Assets	As at June	As at June	As at December
EUR million	30, 2015	30, 2014	31, 2014
Non-current assets			
Intangible assets			
Goodwill	624	441	446
Other intangible assets	245	99	91
Total intangible assets	869	540	537
Property, plant and equipment			
Land and water areas	27	22	22
Buildings and structures	149	131	132
Machinery and equipment	204	197	202
Assets under construction	24	27	25
Total property, plant and equipment	404	376	381
Financial and other non-current assets			
Investments in associated companies	13	5	5
Available-for-sale financial assets	9	13	9
Loan and other receivables	19	2	7
Derivative financial instruments	1	0	0
Deferred tax asset	83	88	86
Other non-current assets	19	14	14
Total financial and other non-current assets	144	122	121
Total non-current assets	1,417	1,038	1,040
Current assets			
Inventories	568	480	474
Receivables			
Trade and other receivables	622	437	445
Cost and earnings of projects under construction in excess of advance billings	205	176	192
Loan and other receivables	0	0	0
Available-for-sale financial assets	4	28	28
Derivative financial instruments	13	13	20
Income tax receivables	24	17	22
Total receivables	869	671	706
Cash and cash equivalents	161	199	192
Total current assets	1,598	1,349	1,372
Total assets	3,015	2,387	2,412



#### Balance sheet as at June 30, 2015

Equity and liabilities	As at June	As at June	As at December
EUR million	30, 2015	30, 2014	31, 2014
Equity			
Share capital	100	100	100
Reserve for invested unrestricted equity	404	403	403
Cumulative translation adjustments	24	-4	9
Fair value and other reserves	0	-2	-3
Treasury shares	-7	0	0
Retained earnings	286	281	296
Equity attributable to owners of the parent	806	777	804
Non-controlling interests	5	5	5
Total equity	812	782	809
Liabilities			
Non-current liabilities			
Non-current debt	331	114	16
Post-employment benefits	150	107	144
Provisions	12	27	10
Derivative financial instruments	2	2	3
Deferred tax liability	56	25	22
Other non-current liabilities	1	1	1
Total non-current liabilities	551	276	195
Current liabilities			
Current portion of non-current debt	66	57	51
Current debt	31	13	-
Trade and other payables	738	695	740
Provisions	101	89	98
Advances received	276	141	146
Billings in excess of cost and earnings of projects under construction	397	297	327
Derivative financial instruments	18	23	30
Income tax liabilities	24	13	16
Total current liabilities	1,651	1,329	1,408
Total liabilities	2,203	1,605	1,603
Total equity and liabilities	3,015	2,387	2,412



#### Condensed Consolidated Statement of Cash Flows

	Q2/2015	Q2/2014	Q1–Q2/	Q1–Q2/
EUR million			2015	2014
Cash flows from operating activities				
Profit / loss	21	11	29	5
Adjustments				
Depreciation and amortization	25	18	43	36
Dividend income and net interests	1	0	2	0
Income taxes	9	5	13	2
Other non-cash items	2	-2	3	2
Change in net working capital, net of effect from business acquisitions and disposals	-30	23	-79	58
Net interests and dividends received	-1	-1	-1	0
Income taxes paid	-11	-9	-13	-15
Net cash provided by (+) / used in (-) operating activities	17	46	-3	89
Cash flows from investing activities				
Capital expenditure on fixed assets	-9	-10	-19	-21
Proceeds from sale of fixed assets	1	1	1	3
Business acquisitions, net of cash acquired and loan repayments	-330	-	-330	-
Proceeds from sale of businesses, net of cash sold	-	-	-	0
Other	0	0	0	0
Net cash provided by (+) / used in (-) investing activities	-338	-9	-348	-17
Cash flows from financing activities				
Redemption of own shares	-	0	-7	0
Dividends paid	-37	-22	-37	-22
Net borrowings (+) / payments (-) on current and non-current debt	-27	-28	350	-26
Net investments in available-for-sale financial assets	0	-13	23	-37
Other	-9	-	-13	-
Net cash provided by (+) / used in (-) financing activities	-74	-63	316	-85
Net increase (+) / decrease (-) in cash and cash equivalents	-395	-27	-35	-14
Effect of changes in exchange rates on cash and cash equivalents	-2	1	3	1
Cash and cash equivalents at beginning of period	557	224	192	211
Cash and cash equivalents at end of period	161	199	161	199



## Appendix Automation



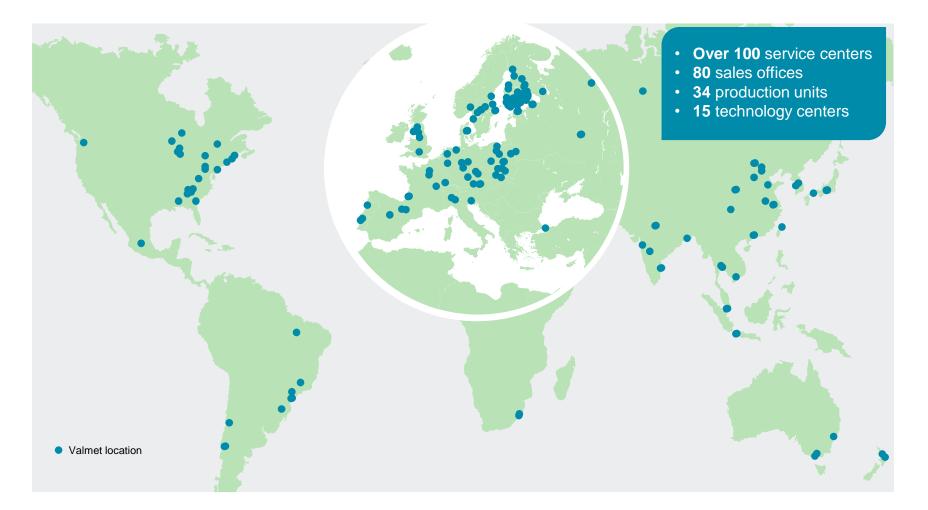
# Automation offering

Distributed Control System (DCS)	<ul> <li>Complete control system platform for several processes: process, machine, drive controls and information management</li> <li>Used for monitoring and controlling distributed equipment in process plants and industrial processes</li> </ul>	
Quality Control System (QCS)	<ul> <li>A system that controls process quality</li> <li>Integrates process quality management, measurements and profilers</li> </ul>	
Profilers	<ul> <li>Profilers control the process as part of the QCS system</li> </ul>	
Analyzers and measurements	<ul> <li>Equipment that analyzes and helps optimize the process</li> <li>Equipment that measures different variables in industrial processes, e.g. consistency in pulp and paper processes</li> </ul>	<b></b>
Vision systems	<ul> <li>High resolution and high speed digital imaging technology, e.g. pulp or pape web inspection and web break analysis system</li> <li>The system improves process runnability and end product quality</li> </ul>	er
Performance solutions	<ul> <li>Advanced process controls for process optimization</li> <li>Condition monitoring in paper, power and process plants</li> <li>Systems for simulating and analyzing industrial production processes</li> </ul>	





## Strong global presence close to our customers 130 locations in 33 countries





## Market position

#### Market position

#1-3	<ul> <li>Global n market p</li> </ul>
	<ul> <li>Industry</li> </ul>
<b>#1</b> Analyzers	Compre
<b>#1-2</b> QCS <sup>1</sup>	High bai
<b>#3</b> DCS <sup>2</sup>	number

- Global market leader with #1 market position in pulp and paper
- Industry-leading product portfolio
- Comprehensive services
- High barriers to entry and a limited number of focused players



- Investments in new pulp and paper machines and power plants
- Ageing machines and installed automation systems

### Business focus and opportunities

- · Customers choose an automation provider even for more than a decade
- High service business content (~45%)
- On Valmet level, full scope offering gives better differentiation from competitors
- Combining Valmet technology, process know-how and automation offers growth possibilities and potential to create new solutions for customers

QCS = Quality control systems
 DCS = Distributed control systems

Source: Leading consulting firms, RISI, management estimates

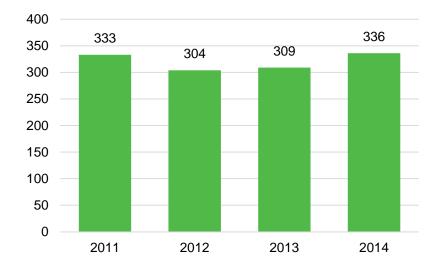


# Automation offering and market overview

	Scope/product	Market size	Market position in pulp and paper	Main competitors
Distributed Control System (DCS)	<ul> <li>DCS for process and machines controls</li> <li>Condition monitoring</li> <li>Information management</li> <li>APC</li> </ul>	<ul><li>Pulp and paper DCS market:</li><li>EUR 900 million</li><li>Power DCS market:</li><li>EUR 700 million</li></ul>	#3	<ul> <li>ABB</li> <li>Honeywell</li> <li>Emerson</li> <li>Siemens</li> <li>Yokogawa</li> </ul>
Quality Management System	<ul> <li>QCS (Quality Control Systems)</li> <li>Profilers</li> <li>Web inspection and web break analysis systems</li> </ul>	Estimated market size: • >EUR 200 million	<b>#1-2</b>	<ul> <li>ABB</li> <li>Honeywell</li> <li>Voith</li> <li>Paperchine</li> <li>Procemex</li> <li>Cognex</li> <li>Isra</li> <li>Yokogawa</li> </ul>
Analyzers and measurements	<ul> <li>Paper analyzers</li> <li>Pulp analyzers</li> <li>Pulp consistency measurements</li> <li>Conductivity measurements</li> <li>Power analyzers</li> </ul>	Estimated market size: • <eur 200="" million<="" th=""><th>#1</th><th><ul><li>ABB</li><li>BTG</li><li>PulpEye</li></ul></th></eur>	#1	<ul><li>ABB</li><li>BTG</li><li>PulpEye</li></ul>

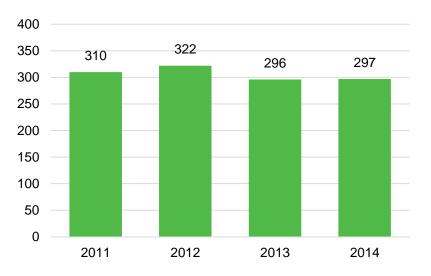


## Recent development



#### Orders received (EUR million)<sup>1</sup>

#### Net sales (EUR million)<sup>1</sup>



#### **Process Automation Systems is relatively stable business**

- Customers choose an automation provider for as long as a decade
   During this time, servicing and upgrading is needed
- High service business content (~45%)
- High-level technology and know-how business with high barriers to entry
- Strong focus on R&D ensures a high level of technology, know-how and innovations





1) Stand-alone figures

# Balance sheet structure after the acquisition of Process Automation Systems

Enterprise value of acquisition EUR 340 million	<ul> <li>Process Automation Systems' net asset value<sup>1</sup> approximately EUR 55 million</li> <li>Difference between enterprise value and net asset value will be split roughly equally between goodwill and purchase price allocation</li> <li>Valmet's amortization will increase by approximately EUR 15 million on an annual basis</li> </ul>
Long-term financing in place	Average maturity will increase to over 4 years
Capital employed increases	Capital employed will increase with approximately EUR 285 million
Illustrative figures	<ul> <li>Effect on gearing 43 percentage points and on equity ratio 6 percentage points</li> <li>If the transaction would have taken place on December 31, 2014, gearing would be 22% and equity ratio 36% (illustrative figures)</li> </ul>

1) Net asset value on June 30, 2014



## Appendix Offering



# Full scope offering for the pulp and paper industry

#### **Technologies**

- Wood handling
- 2 Heat and power production
- 3 Chemical pulping
- 4 Chemical recovery
- 5 Pulp drying

- Recycled fiberMechanical fiber
- Stock preparation
- Board and paper making
- 10 Tissue making

#### Automation

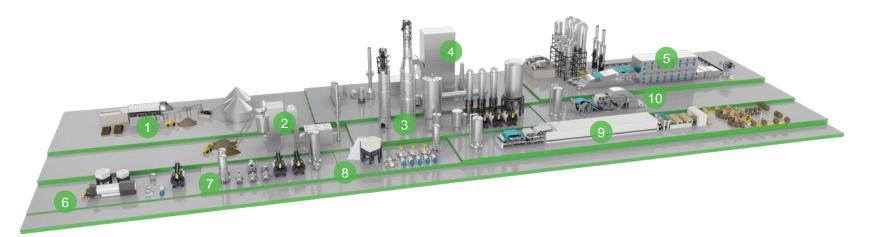
- Distributed Control System (DCS)
- Performance solutions
- Quality Control System (QCS)
- Profilers

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

#### Services

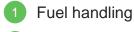
- Mill and plat improvements
- · Spare and wear parts
- Paper machine clothing and filter fabrics
- Roll services
- Services for evaporation plants, power and recovery boilers
- Services for environmental equipment





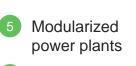
# Our offering for energy industry and biotechnologies

#### Technologies



- 2 Gasification
- 3 Boiler and flue gas cleaning

4 Bio-oil production



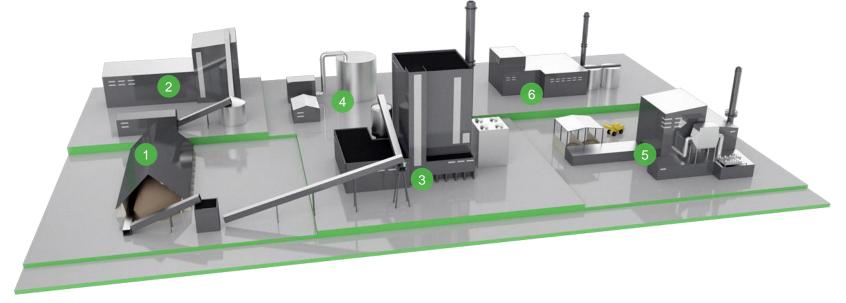
Prehydrolysis For biofuels, biomaterials and biochemicals, and bio coal production

#### 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



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# Our pulp and energy technology offering



- Wood handling systems
- Cooking systems
- Complete fiber lines
- Pulp drying systems



- Evaporation systems
- Recovery islands



- Circulating fluidized bed boilers (CYMIC)
- Bubbling fluidized bed boilers (HYBEX)
- Biomass and waste gasification
- Oil and gas boilers
- Waste heat recovery
- Air pollution control systems



- Pyrolysis solutions for bio-oil production
- LignoBoost for lignin extraction
- Steam treated pellets
   production lines
- Biomass prehydrolysis for further refining to fuels or chemicals

300 complete fiber lines and 350 recovery islands delivered

400 boilers and environmental protection systems delivered



# Our paper technology offering



- 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

# Over 1,600 board and paper machines delivered



- Tissue production lines
  - Advantage DCT
  - Advantage NTT
  - Advantage Thru Air (TAD)
- Rebuilds
- Stand-alone products
  - e.g. Yankee cylinders

## Over 200 tissue lines delivered



## Our automation offering



### 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



# Comprehensive life-cycle services offering and large customer base with significant potential

Comprehensive life-cycle services offering



### Over 2,000 customer mills and plants served globally

#### Spare and wear parts

- All OEM spare parts and standard parts in Valmet deliveries
- Inventory management services and process parts, such as consumables and auxiliary products

#### **Fabrics**

- · Paper machinery clothing
- Filter fabrics used in the pulp and paper, mining and chemical industries and power plants for various filtration purposes as well as in commercial laundries

## Mill and plant improvements

- · Plant upgrades
- Modifications and environmental improvements
- Troubleshooting
- Shutdown maintenance
- Maintenance outsourcing for the entire customer plant

## Roll and workshop services

- Maintenance services on rotating equipment: roll covers, spare rolls and roll upgrades
- Rebuilds for all manufacturers' board, tissue, pulp and paper machines
- Workshop services: pressure part manufacturing, boiler component services, parts to protect and enhance boiler performance and fiber equipment refurbishing

## Energy and environmental

 Services for evaporation plants, power and recovery boilers, and environmental equipment



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



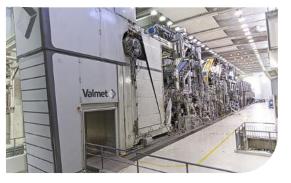
### **Customers' needs**

- 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 50 million
- Around 1,800 protected innovations
- 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

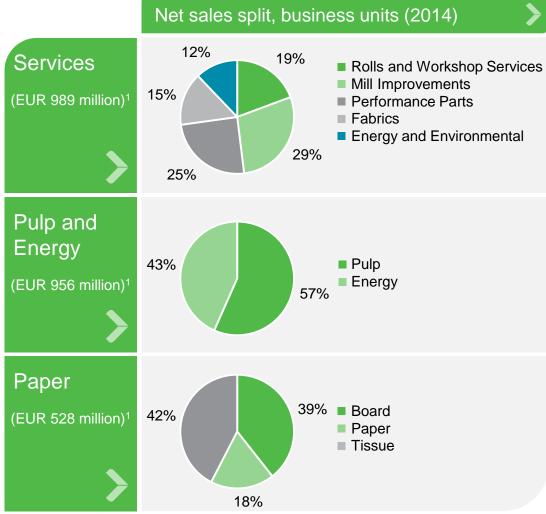




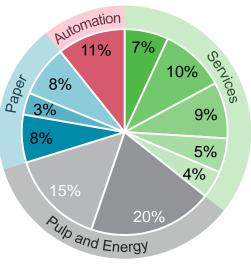
## Appendix Market statistics



# Net sales split, by business unit



### Net sales split, Valmet (2014)<sup>2</sup> 🍃

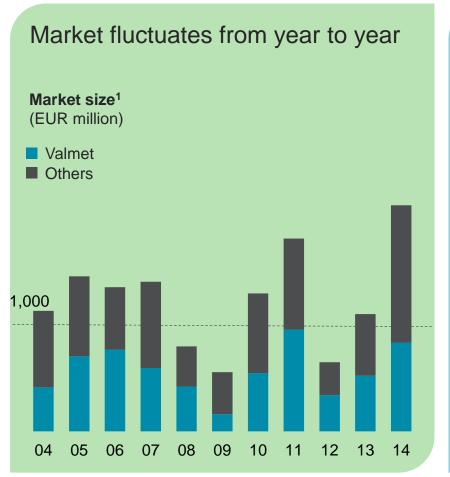


- Rolls and Workshop Services
- Mill Improvements
- Performance Parts
- Fabrics
- Energy and Environmental
- Pulp
- Energy
- Board
- Paper
- Tissue
- Automation



2) Illustrative net sales split when Valmet and Automation combined, 2014 figures

# Pulp mill market is cyclical and characterized by large orders



Valmet is well prepared for the cyclical nature of the business

- Own capacity has been reduced during the last few years
- Capacity cost reduced 10% in 2014
- Capacity cost to net sales was 24% in 2014

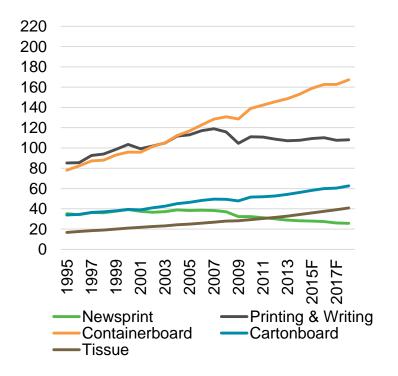
Valmet 🔷

1) Market size based on orders received. Includes all pulp business units, recovery boilers, and evaporation plants

# **Consumption development**

Growth in board and tissue consumption is expected to continue while newsprint is declining

Paper consumption<sup>1</sup> (Mton)

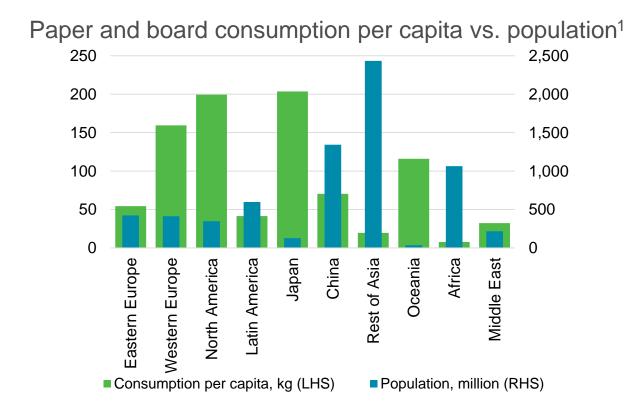


CAGR	2001-2014	2014-2018F
Containerboard	+3.7%	+2.2%
Printing & Writing	+0.6%	+0.1%
Cartonboard	+2.8%	+2.8%
Tissue	+3.6%	+4.5%
Newsprint	-2.1%	-2.4%



1) Source: RISI

# Paper and board consumption growth trends



Population growth in emerging markets is larger than in developed markets

### Level of consumption per capita in emerging markets clearly below that in developed markets

This offers us longterm growth potential

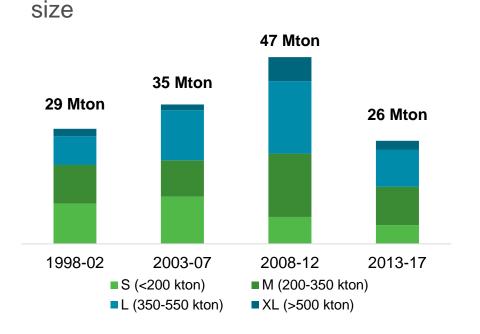
Valmet 🔷

#### Average global consumption: 53 kg per capita

1) Source: PPI Annual Review 2013 (2012 figures)

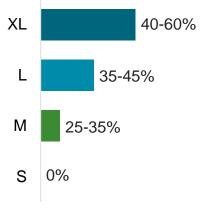
## Demand has shifted more towards smaller paper and board machines

- We are focusing more on modularized and standardized solutions
- Competition is higher in smaller machines



Capacity of start-ups<sup>1</sup>, by machine

Valmet's market share<sup>1</sup>, by machine size



Competition is lower in larger machine sizes.

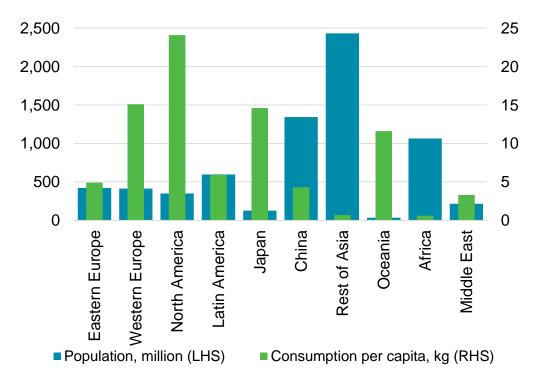
Higher number of players in smaller machines.



1) Source: Pöyry, Valmet

## Tissue consumption growth trends





#### Average global consumption: 4.5 kg per capita

1) Source: PPI Annual Review 2013 (2012 figures)

New products and consumption models based on tissue are helping increase consumption in <u>developed markets</u>

Consumption in emerging markets is still low, but growing

Offers us long-term growth potential in both developed and emerging markets

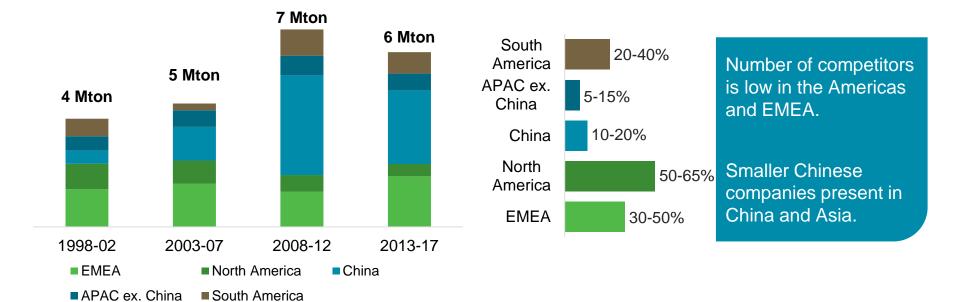


# Tissue market growing long term

- Recent market reduction due to heavy Chinese investments
- Competition is high in all areas, Valmet is strongest in North America



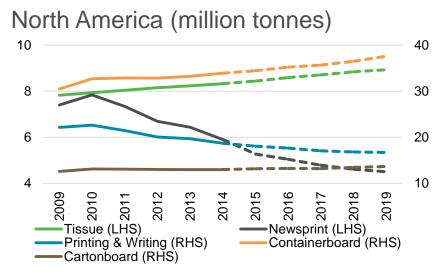
## Valmet's market share<sup>1</sup>, by area



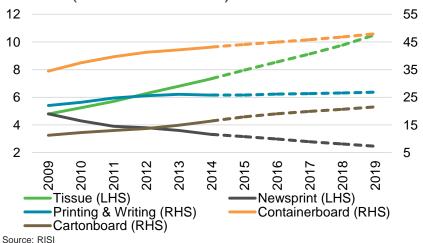
1) Source: Pöyry, Valmet

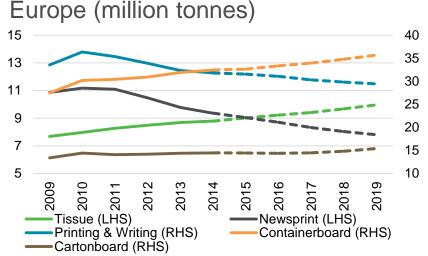


## Paper, board, and tissue production trends

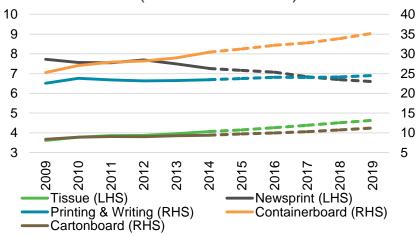


## China (million tonnes)



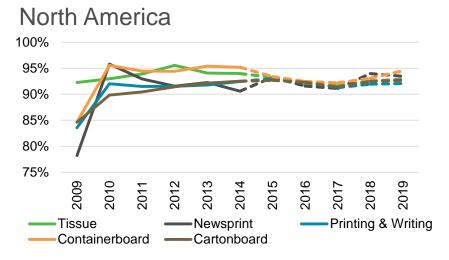


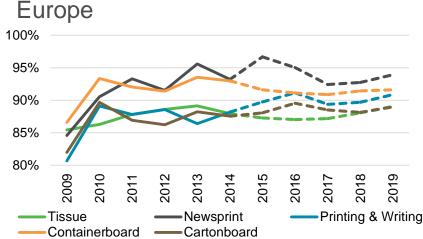
### Asia-Pacific (million tonnes)

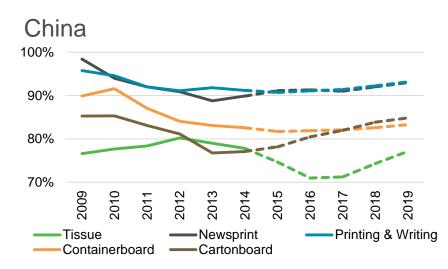




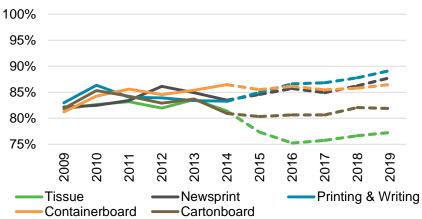
## Paper, board, and tissue operating rates





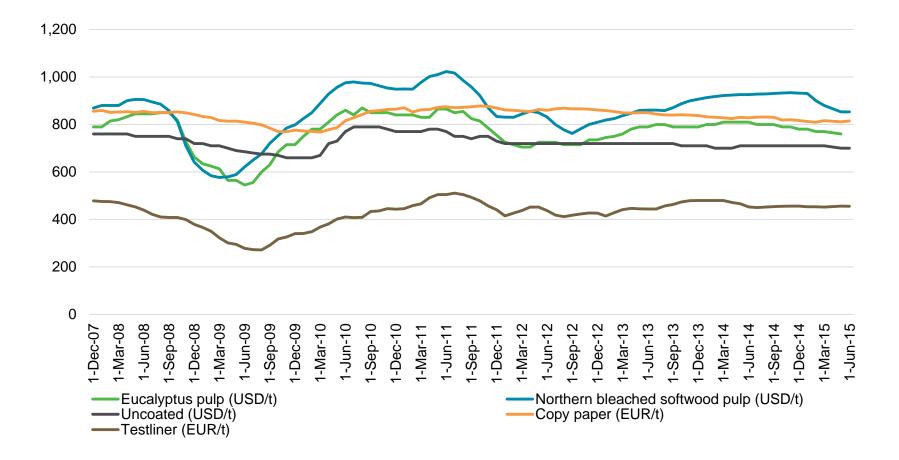


#### Asia-Pacific





## Pulp and paper price trends



Valmet 🔷

Source: Bloomberg

## Historically large spread in pulp prices

#### 350 1,100 Spread at the end of October, 2014: \$203 1,000 300 June, 2015: \$56 900 250 800 200 700 150 600 100 500 50 400 0 30-Apr-12 31-Jan-06 30-Jun-06 30-Nov-06 29-Feb-08 31-May-09 31-Aug-10 31-Jan-11 30-Sep-12 28-Feb-13 31-Jul-13 31-Dec-13 31-May-14 31-Oct-14 31-Mar-15 31-Jul-08 31-Dec-08 31-Oct-09 31-Mar-10 30-Apr-07 30-Sep-07 30-Nov-11 30-Jun-1 Spread (RHS) NBSK (LHS) BHKP (LHS)

Pulp prices, Europe: NBSK and BHKP (USD/ton)

NBSK

Northern bleached softwood kraft pulp is produced mainly in Canada and the Nordic countries. NBSK is based on long fibre wood species. It adds strength to the final product.

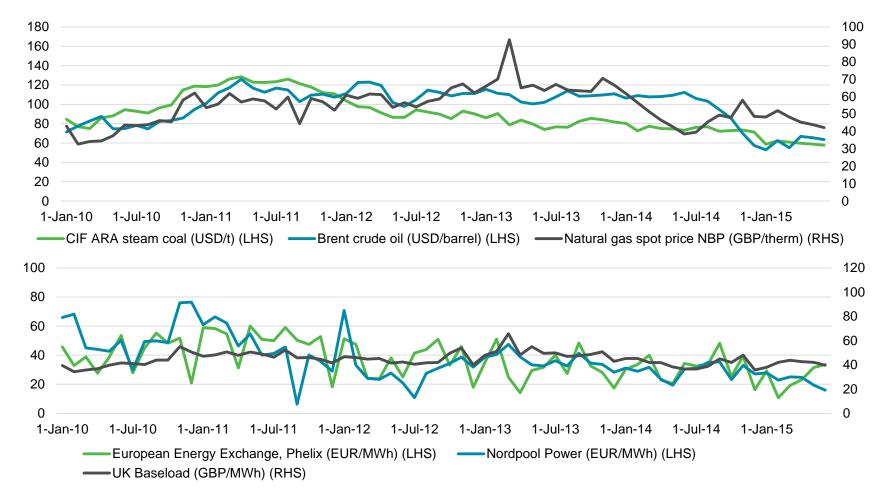
#### BHKP

Bleached hardwood kraft pulp, produced e.g. in Brazil and Indonesia, is based on short fibre wood species. It adds softness to the final product.



# Crude oil, steam coal, natural gas and electricity

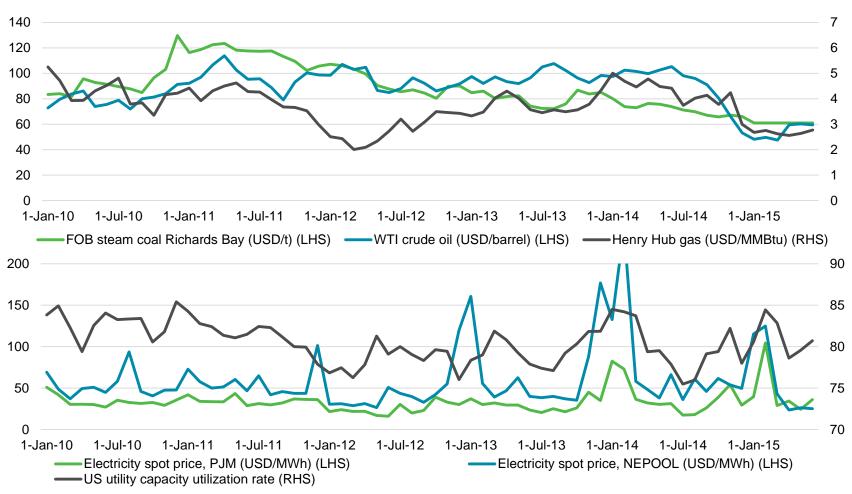




Source: Bloomberg



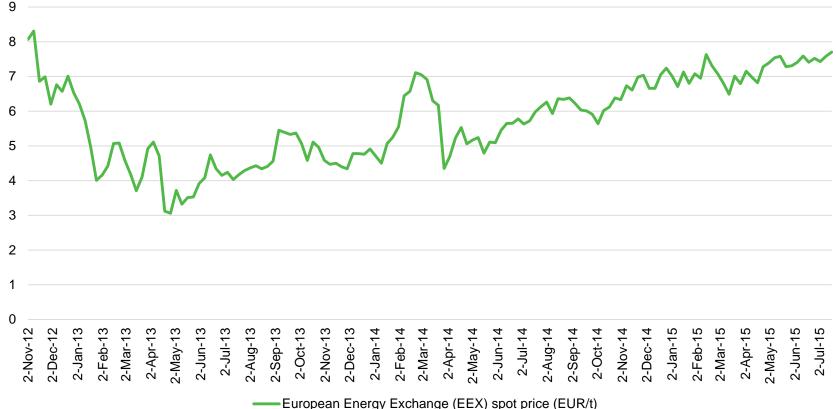
# Crude oil, steam coal, natural gas and electricity



**United States** 

Valmet 🔷

## **European Carbon Emission Allowance**



European Energy Exchange (EEX) spot price (EOR/t)



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