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INVESTOR PRESENTATION

Q3 2015 RESULTS

October 29, 2015

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS



Cautionary Note Regarding Forward-Looking Statements: All matters discussed in this press release, except for any historical data, are forward-looking statements. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those in the forward-looking statements. These include, but are not limited to, economic conditions and trends in the semiconductor industry generally and the timing of the industry cycles specifically, currency fluctuations, corporate transactions, financing and liquidity matters, the success of restructurings, the timing of significant orders, market acceptance of new products, competitive factors, litigation involving intellectual property, shareholder and other issues, commercial and economic disruption due to natural disasters, terrorist activity, armed conflict or political instability, epidemics and other risks indicated in the Company's reports and financial statements. The Company assumes no obligation nor intends to update or revise any forward-looking statements to reflect future developments or circumstances.

INVESTMENT HIGHLIGHTS



› **ALD is a key growth market**

- ALD market expected to outperform the broader equipment market
- ASMI has leadership positions in ALD and PEALD

› **Strong revenue performance**

- Revenue increased 25% in the first nine months of 2015
- Outperforming the overall equipment market

› **Improved profitability**

- Gross margin increased to 44.1% in the first nine months of 2015 compared to 43.1% in the same period of 2014

› **Solid balance sheet**

- Strong cash position, no debts
- Operating cash flow of EUR 111m in the first nine months of 2015
- Announcement of new EUR 100m share buyback program for 2015/2016
- 20% higher dividend of EUR 0.60 per share paid in 2015

Q3 2015 KEY RESULTS



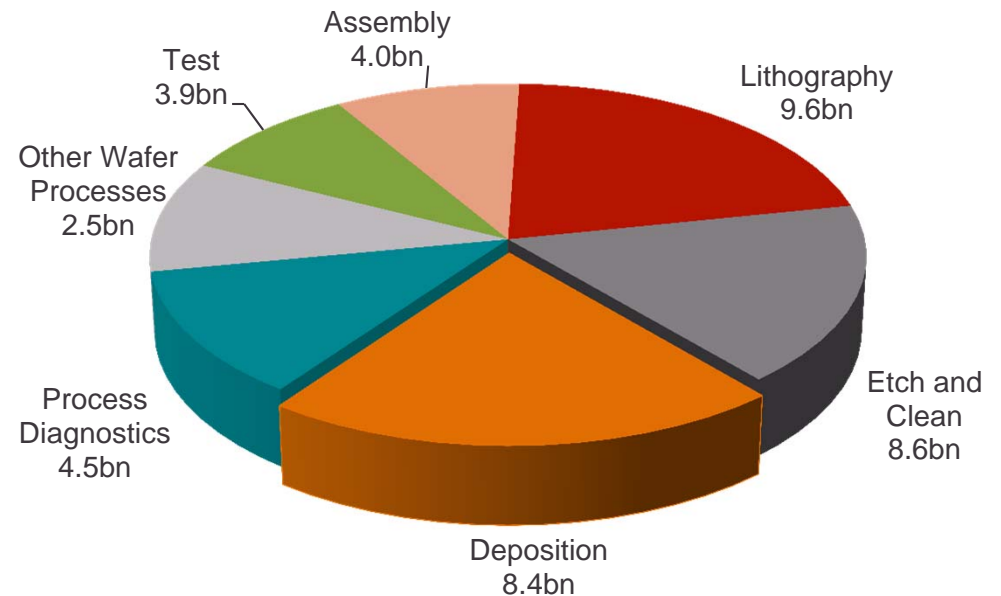
EUR million	Q3 2014	Q2 2015	Q3 2015
New orders	156.2	166.6	148.1
Net sales	122.2	201.0	162.0
Gross profit margin %	43.2%	45.1%	43.7%
Operating results	17.2	42.1	23.2
Result from investments	30.7	20.7	8.1
Amortization intangible assets resulting from the sale of the 12% stake of ASMPT	(5.7)	(6.8)	(6.7)
Net earnings	54.6	39.9	35.7
Normalized net earnings (excl. amortization intangible assets resulting from the sale of the 12% stake of ASMPT)	60.2	46.7	42.4

SEMICONDUCTOR EQUIPMENT MARKET



- › ASM focuses on deposition equipment
- › ASM has leadership positions in ALD and Plasma-Enhanced ALD (PEALD)
- › Positions in Epitaxy, PECVD and Vertical Furnaces

Equipment market segments (US\$)



VLSI Research, Jul. 2015

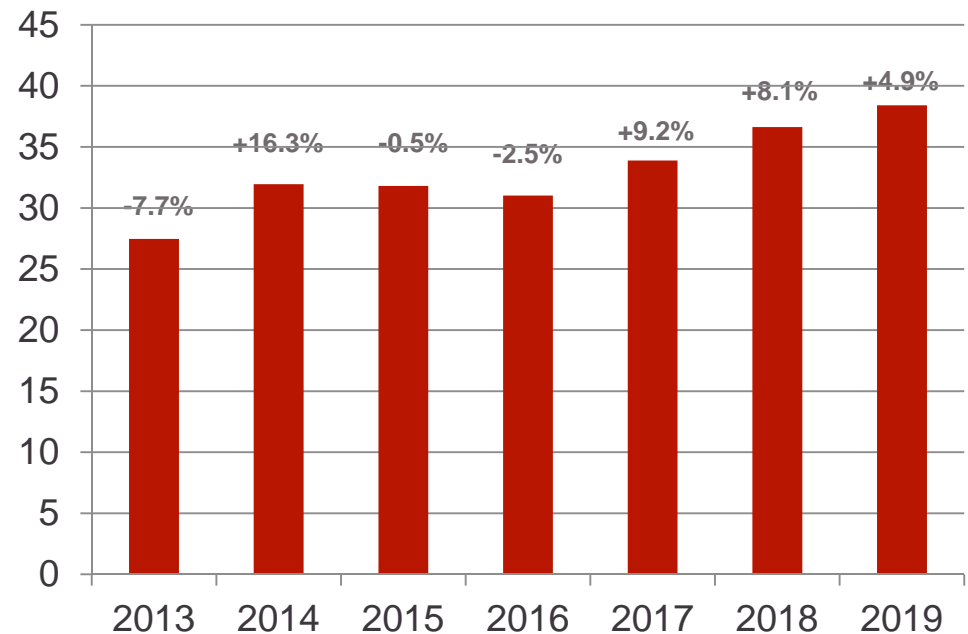
ASM's focus is on deposition equipment

EQUIPMENT MARKET OUTLOOK



- > Gartner forecasts Wafer Fab Equipment spending to be slightly lower in 2015, followed by a ~3% decrease in 2016
- > Investment in leading edge equipment remains the key driver

Wafer Fab Equipment spending



Gartner, Oct 2015

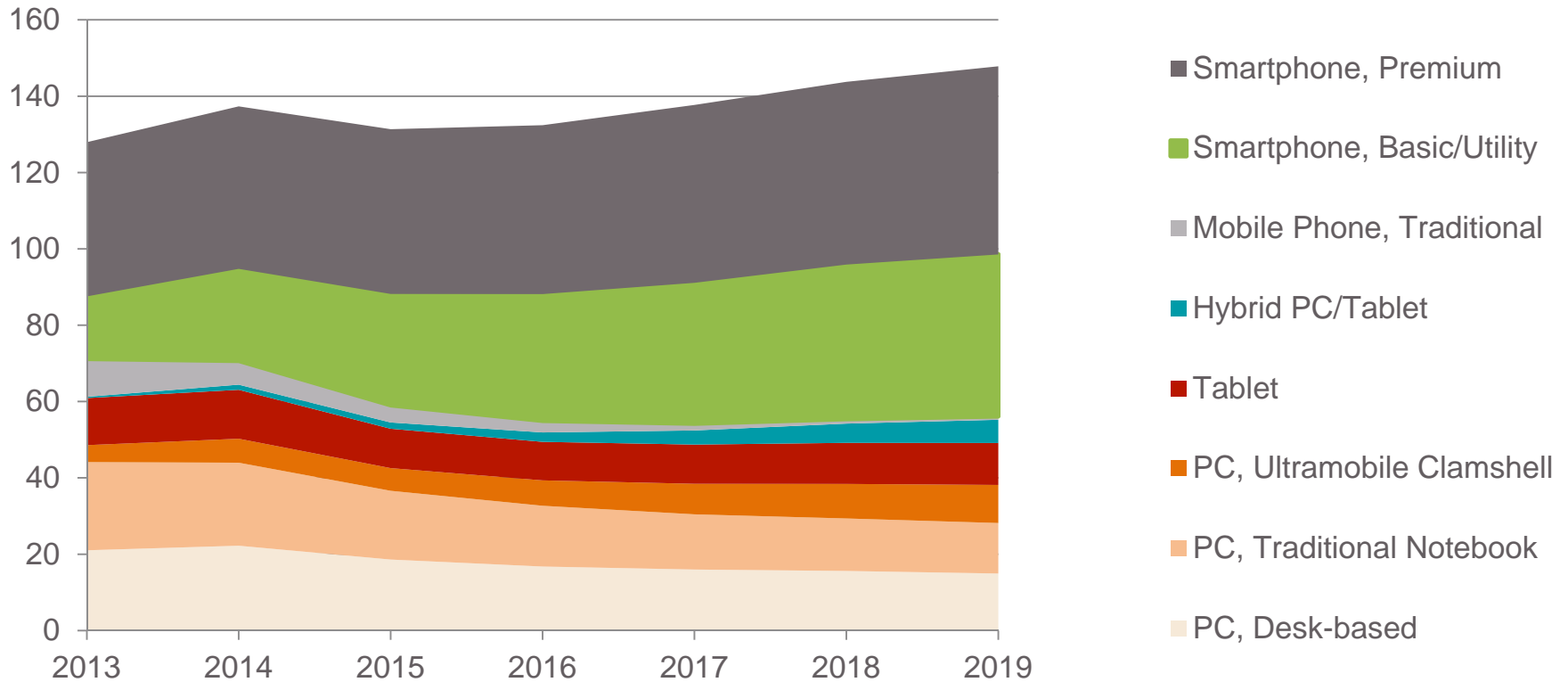
Gartner forecasts a slightly lower Wafer Fab Equipment market in 2015

SEMICONDUCTOR MARKET



SEMICONDUCTOR SALES BY KEY APPLICATION

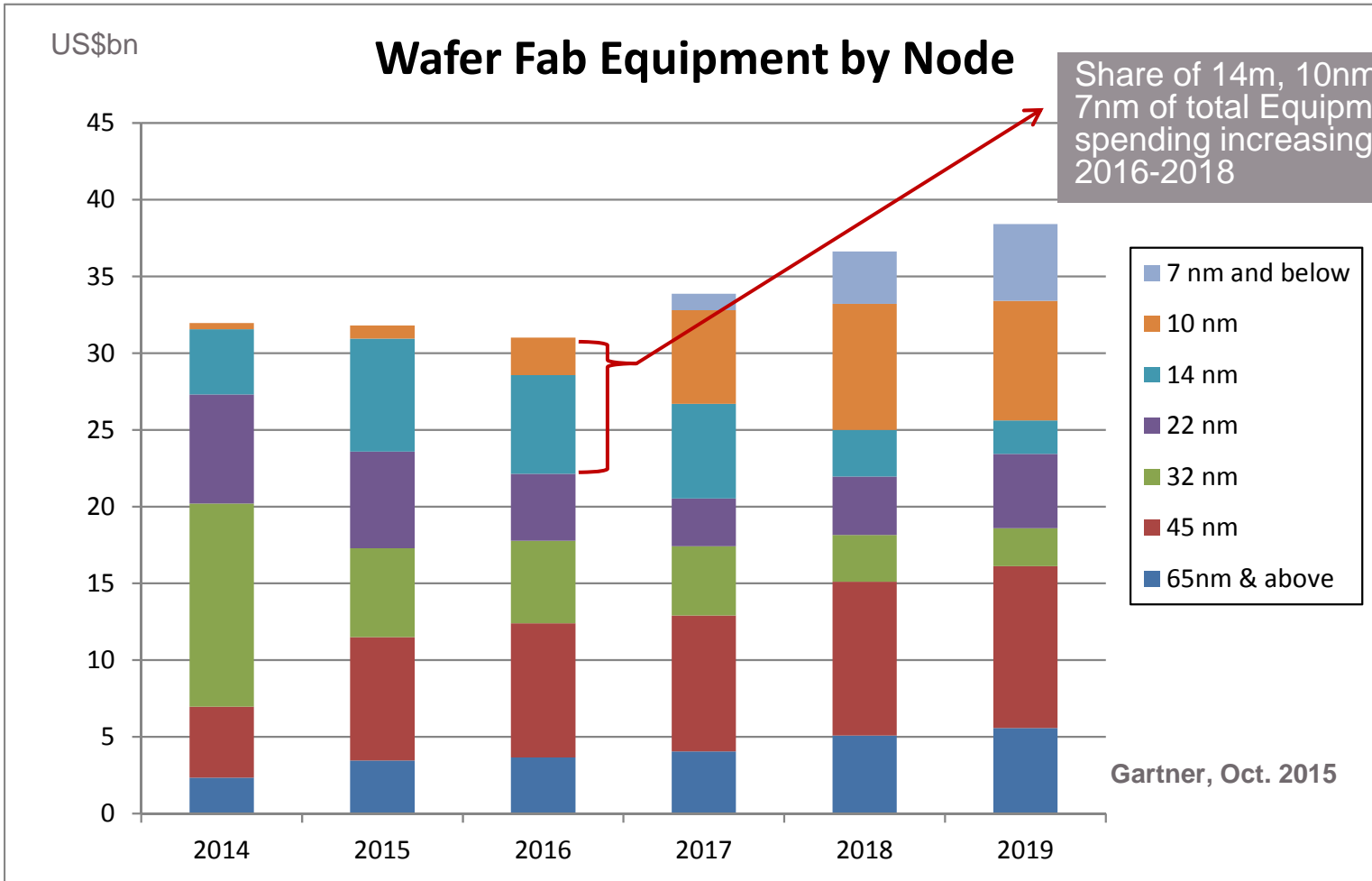
US\$bn



Gartner, Sep 2015

Semiconductor growth drivers are mobile devices
Performance per Watt becoming key metric factor in chip design
Semi revenue declines in 2015, due to steeper decline in PC's

WAFER FAB EQUIPMENT SPENDING BY NODE



Advanced nodes: market segments with high expected growth

ALD IS AN ENABLING TECHNOLOGY



› **ALD technology is a key enabler of Moore's Law**

- Strengths of Atomic Layer Deposition: high-precision deposition of smooth and conformal ultra-thin films, even on high aspect ratio structures
- Device scaling, new materials and 3D architectures increase demand for ALD/PEALD

› **ASMI has leading positions in ALD/PEALD**

- Leadership positions in ALD for high-k metal gate applications as well as in PEALD for spacer defined multiple patterning in Memory market and for new applications
- Combined ALD and PEALD business accounted for more than half of ASM's equipment revenue in 2014

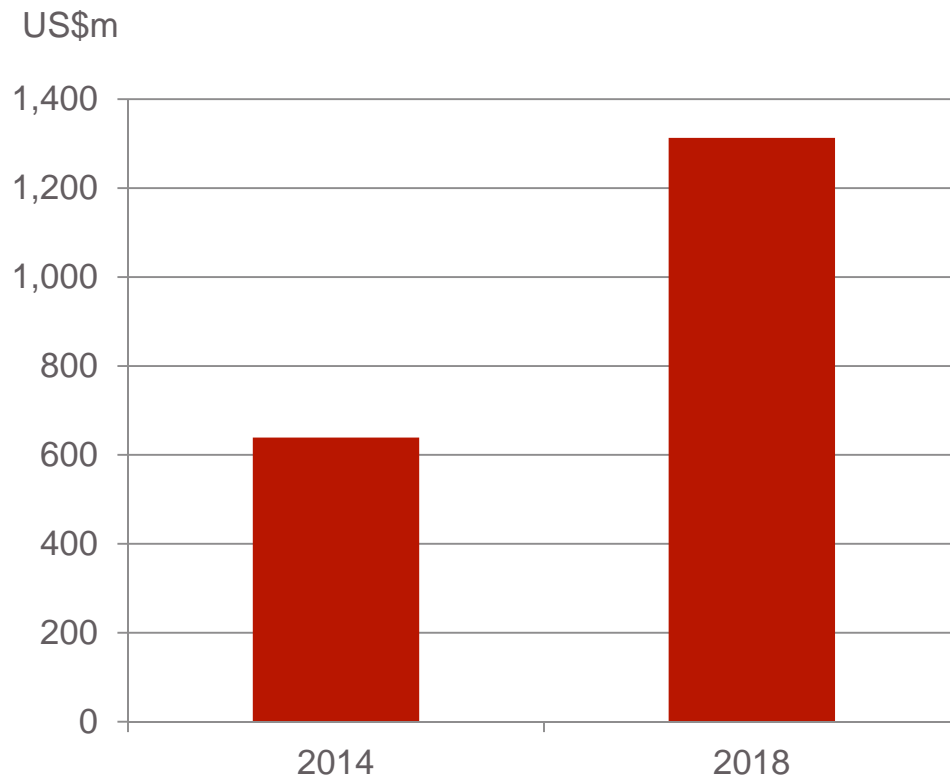
› **Strong market outlook ALD**

- Drivers are further deployment of ALD/PEALD in volume manufacturing, new applications and additional process steps
- ALD market expected to outperform the broader semiconductor equipment market

ESTIMATED ALD MARKET GROWTH



ALD market single wafer / minibatch



- › ALD market approximately doubling over the next three to four years
- › Key growth areas are patterning layers, high-k/ metal gate and other applications

Source: Gartner, VLSI, ASMI, October 2015

COMPETITIVE ADVANTAGES



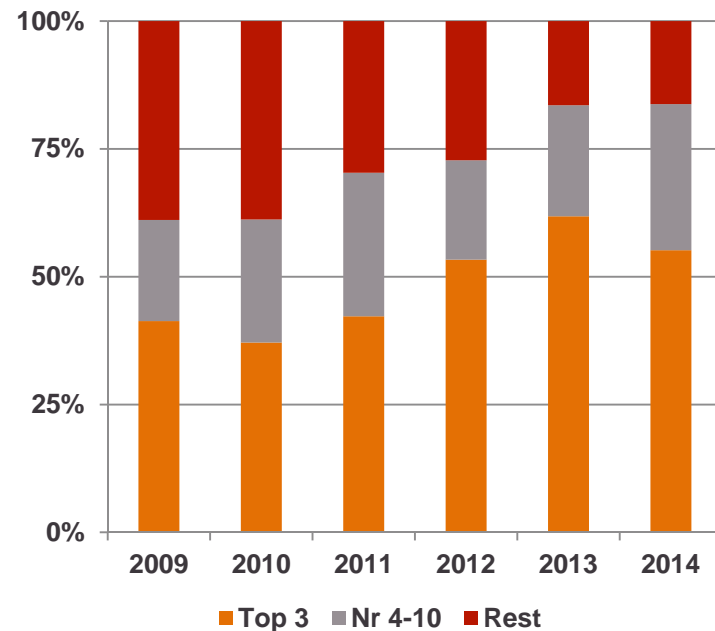
- › **Focused player, differentiated technologies**
- › **Track record of innovation**
- › **Global network, streamlined operations**
- › **Leadership in ALD**
 - Developing ALD technology since 1999
 - Largest player in both single wafer ALD and PEALD
- › **Close cooperation with the leading IC manufacturers**
- › **Strong IP portfolio**

CUSTOMER CONCENTRATION



- › Engaged with all top capex customers
- › Diversification of customer base from Logic to Memory and Foundries
- › Weight of Asia growing

ASMI revenue



Growing share of wallet with top clients

HIGHLIGHTS



› Strong momentum ALD

- ALD/PEALD further established as mainstream enabling technologies
- Bookings and revenue driven by combined ALD/PEALD business

› Solid results in Q3

- Revenue decreased 19% compared to record high level in Q2
- Gross margin at 43.7%, EBIT margin at 14.3%

› Shareholder remuneration

- Announcement of new share buyback program of EUR 100m for 2015/2016
- Previous 2014/2015 program of EUR 100m was completed in May 2015
- 20% higher dividend of EUR 0.60 per share paid in 2015

› Further actions to structurally improve performance

- Continued cost focus

ASMPT RESULTS



	Q3 2014	Q2 2015	Q3 2015
Sales ASMPT (HK\$m)	4,582	3,752	3,241
Net profit ASMPT (EURm, 100% based)	77	53	20
Result from investments (including ASMI's 40% share of ASMPT net profit)	30.7	20.7	8.1
Amortization intangible assets resulting from the sale of the 12% stake of ASMPT	<u>(5.7)</u>	<u>(6.8)</u>	<u>(6.7)</u>
Result from investments	25.0	13.9	1.4

- › As of 15 March 2013, our share of approximately 40% of ASMPT's net earnings is included in 'result from investments'
- › Amortization intangible assets is expected to remain stable in 2016 and 2017, on a currency comparable basis

FINANCIAL OVERVIEW

Q3 2015 HIGHLIGHTS



- › Revenues down 19% q-o-q and up 33% y-o-y
- › Bookings down 11% q-o-q and down 5% y-o-y
- › Book-to-bill ratio of 0.9
- › Q3 backlog of EUR 135m, down from EUR 149m at the end of Q2 2015
- › EBIT margin of 14.3% compared to 21.0% in Q2 2015 and 14.1% in Q3 2014
- › Cash flow from operations of EUR 63m in Q3
- › Normalized net earnings* of EUR 42.4m, down from EUR 46.7m in Q2 2015 and EUR 60.2m in Q3 2014
- › Normalized net earnings impacted by translation differences in financial result (EUR 3m positive in Q3 2015 vs. EUR 13m negative in Q2 2015) and one-off tax benefit of EUR 9m in Q3 2015

** excl. amortization intangible assets resulting from the sale of the 12% stake of ASMPT*

FINANCIAL OUTLOOK



Based upon the current backlog and our current visibility:

For Q4 we expect sales between €125 and €145 million, on a currency comparable level. Orders are expected to come in at a level of €120 to €140 million, also on a currency comparable level. Our current visibility is that equipment bookings for next technology node investments in logic/foundry will start in the course of the first half of 2016.

NET EARNINGS



EUR million	Q3 2014	Q2 2015	Q3 2015	Q3 2015 vs Q2 2015	Q3 2015 vs Q3 2014
New orders	156.2	166.6	148.1	(11)%	(5)%
Backlog	146.9	148.5	134.9	(9)%	(8)%
Book-to-bill	1.3	0.8	0.9		
Net sales	122.2	201.0	162.0	(19)%	33%
Gross profit	52.9	90.7	70.7	(22)%	34%
Gross profit margin %	43.2%	45.1%	43.7%		
Selling, general and administrative expenses	(19.9)	(24.7)	(24.0)	(3)%	21%
Research and development expenses	(15.7)	(23.4)	(23.2)	(1)%	47%
Restructuring expenses	-	(0.5)	(0.3)	n/a	n/a
Operating result	17.2	42.1	23.2	(19.0)	6.0
Operating margin %	14.1%	21.0%	14.3%		
Result from investments	30.7	20.7	8.1	(12.6)	(22.6)
Amortization intangible assets resulting from the sale of the 12% stake of ASMPT	(5.7)	(6.8)	(6.7)	0.1	(1.0)
Net earnings	54.6	39.9	35.7	(4.2)	(18.9)
Normalized net earnings (excl. remeasurement gain, realized gain on sale of ASMPT shares, amortization and fair value adjustments)	60.2	46.7	42.4	(4.3)	(17.9)
Normalized net earnings per share, diluted	€0.93	€0.74	€0.67	€(0.07)	€(0.26)
Normalized net earnings excl. results from investments	29.5	26.0	34.3	8.3	4.8

CASH FLOW



EUR million	Q3 2014	Q2 2015	Q3 2015
Normalized net earnings	60.2	46.7	42.4
Depreciation and amortization	5.3	6.8	7.0
Result from investments	(30.7)	(20.7)	(8.1)
Other adjustments	(15.1)	6.2	(4.0)
Change in working capital	2.6	(27.8)	25.8
Net cash from operating activities	22.4	11.1	63.1
Net cash from investing activities	(9.6)	(15.2)	(6.0)
Dividend paid and capital repaid to ASMI shareholders	(4.1)	(32.5)	(4.7)
Share buyback	-	(40.0)	-
Dividend received from investments	12.5	24.5	18.4
Other	(0.1)	4.4	0.2
Net cash from financing activities	8.5	(43.6)	13.9

BALANCE SHEET

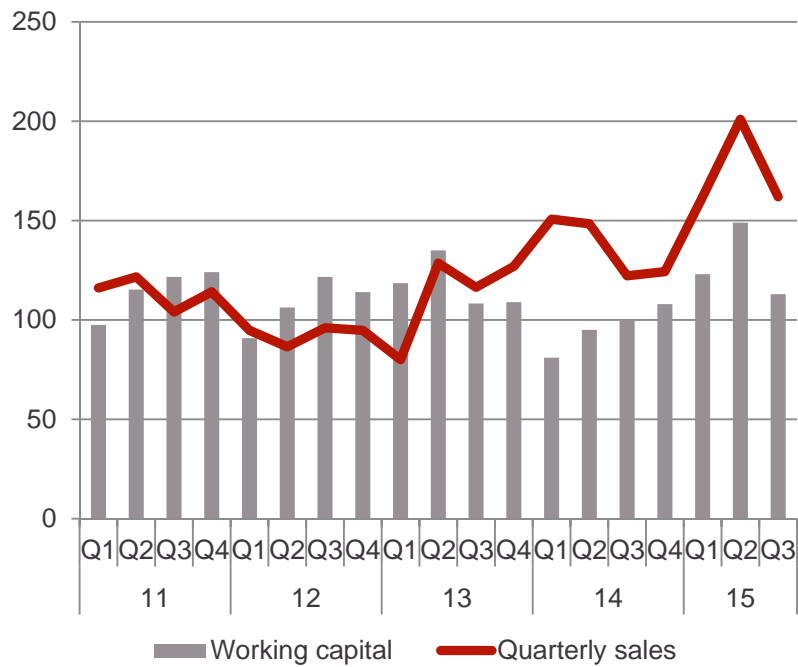


EUR million	Dec 31, 2014	Sep 30, 2015
Cash and cash equivalents	386	428
Accounts receivable	82	94
Inventories	124	117
Other current assets	27	33
Investments and associates	1,092	1,156
Property, plant and equipment	79	86
Other non-current assets	38	52
Total Assets	1,827	1,965
Accounts payable	61	52
Short-term debt	-	-
Other current liabilities	74	81
Long-term debt	-	-
Other non-current liabilities	2	1
Shareholders' equity	1,690	1,830
Total Liabilities and Equity	1,827	1,965

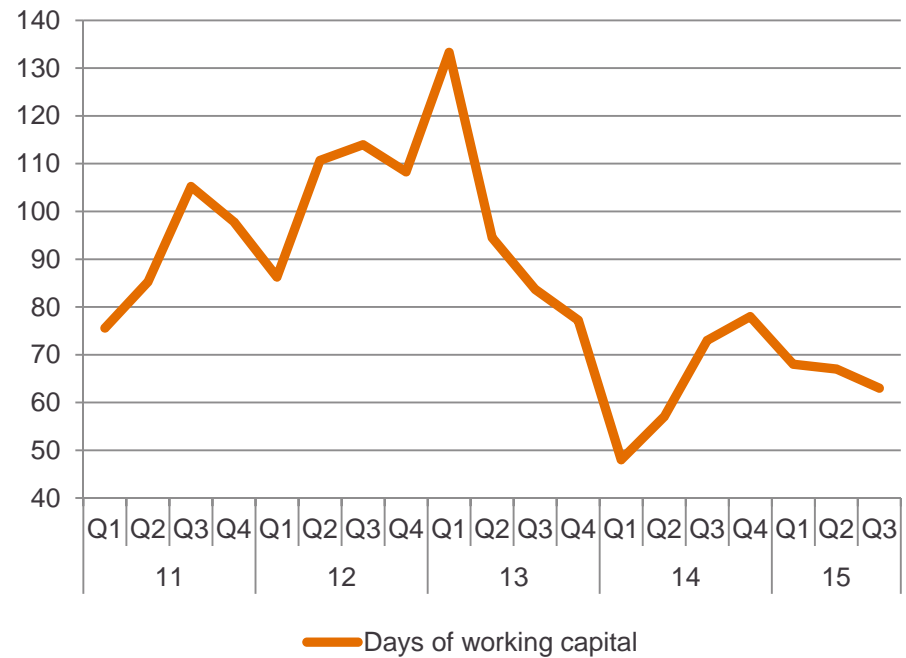
WORKING CAPITAL



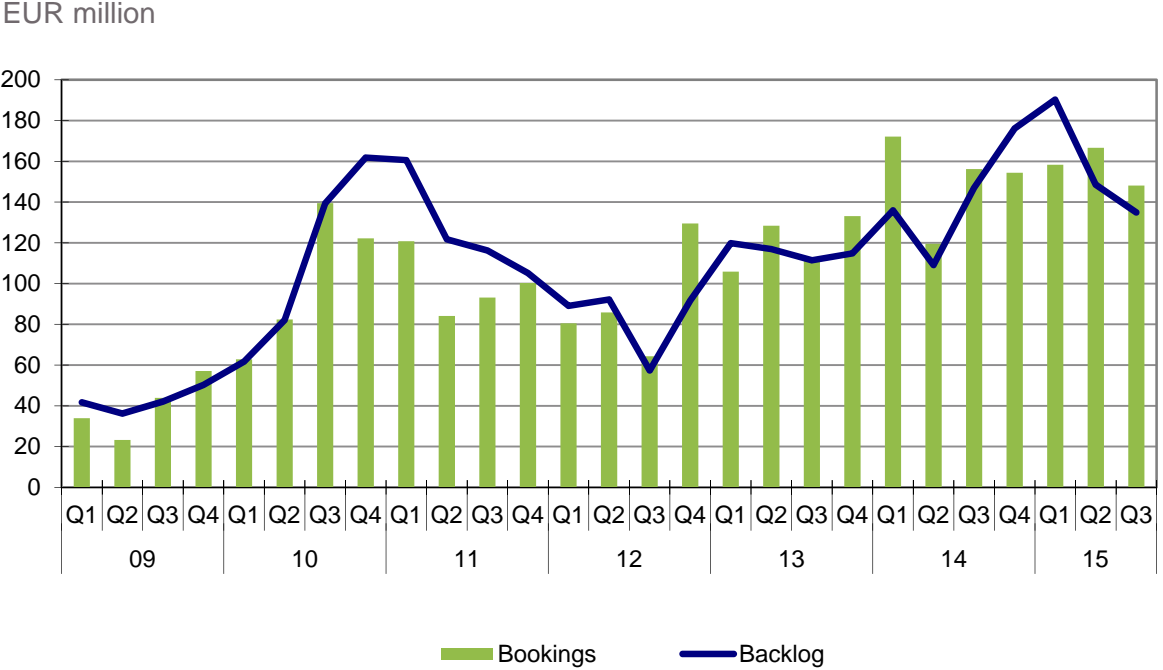
EUR million



Days



BOOKINGS AND BACKLOG



HISTORICAL DEVELOPMENT

