

AIXTRON



13th Annual Shareholder Meeting

May 18, 2010
Eurogress Aachen



AGM May 2010 TOP 1

Presentation of the adopted annual financial statements of AIXTRON AG as of December 31, 2009 and the management report for fiscal year 2009, the approved consolidated financial statements as of December 31, 2009, the Group management report for fiscal year 2009 and the report of the Supervisory Board and the explanatory report of the Executive Board according to HGB

Forward-Looking Statements

This presentation may contain forward-looking statements about the business, financial condition, results of operations and earnings outlook of AIXTRON within the meaning of the “safe harbor” provisions of the United States Private Securities Litigation Reform Act of 1995. Words such as “may”, “will”, “expect”, “anticipate”, “contemplate”, “intend”, “plan”, “believe”, “continue” and “estimate”, and variations of these words and similar expressions, identify these forward-looking statements. The forward-looking statements reflect our current views and assumptions and are subject to risks and uncertainties. You should not place undue reliance on the forward-looking statements. The following factors, and others which are discussed in AIXTRON’s public filings and submissions with the U.S. Securities and Exchange Commission, are among those that may cause actual and future results and trends to differ materially from our forward-looking statements: actual customer orders received by AIXTRON; the extent to which chemical vapor deposition, or CVD, technology is demanded by the market place; the timing of final acceptance of products by customers; the financial climate and accessibility of financing; general conditions in the thin film equipment market and in the macro-economy; cancellations, rescheduling or delays in product shipments; manufacturing capacity constraints; lengthy sales and qualification cycles; difficulties in the production process; changes in semiconductor industry growth; increased competition; exchange rate fluctuations; availability of government funding; variability and availability of interest rates; delays in developing and commercializing new products; general economic conditions being less favorable than expected; and other factors. The forward-looking statements contained in this presentation are made as of the date hereof and AIXTRON does not assume any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, unless required by law.

Agenda

- Business & Market Trends
- Financials
- Outlook

AIXTRON Global Presence



MOCVD Reactors



Planetary Reactor®
AIX G5 HT, 56x2"
(14x4", 8x6", 5x8")



Close Coupled Showerhead®
CRIUS® II, 55x2"
(13x4", 7x6", 3x8")

Common Platform



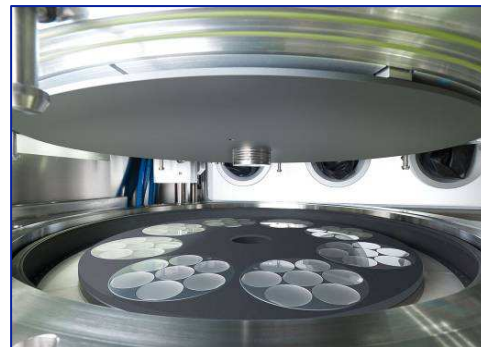
Integrated Concept (IC 2) System

Compound Semiconductor Systems Gen 5, CRIUS II, IC 2 – The Next Generation

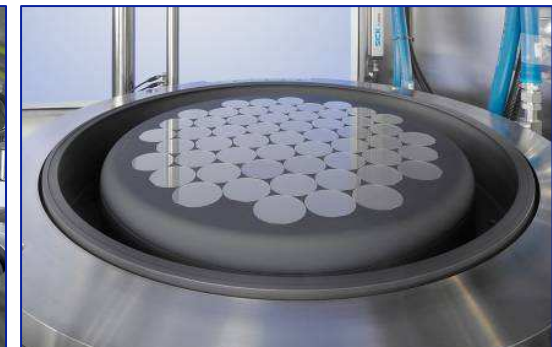
- Turn-key solutions for Compound fab design
- Configurable, extendable common platform
- Proven industry standard & market leader
- Very high growth rates, high quality deposition & throughput
- Flexible wafer configuration from 2"-300mm



Integrated Concept
(IC 2) System



Planetary Reactor[®]
AIX G5 HT



Closed Coupled Showerhead[®]
CRIUS[®] II

AIXTRON Group Worldwide Production



AIXTRON Ltd., Cambridge, UK

AIXTRON Group Worldwide Production



AIXTRON AG, Aachen, Germany

Systems Technologies and Products



Compound

NanoInstruments
Black Magic II -
PECVD



Compound

MOCVD Planetary Reactor[®]
MOCVD Close Coupled Showerhead[®]



Compound

OVPD[®], PVPD



Compound

Hot Wall SiC CVD



Silicon

Lynx-iXP CVD



Silicon

Tricent[®] AVD[®]



Silicon

Tricent[®] ALD

One Technology – Multiple Solutions

Technology	Deposition Technology Nano Scale Material Engineering	
Systems	Compound Semiconductor (MOCVD, HVPE, OVPD®, PVPD, PECVD)	Silicon Semiconductor (CVD, ALD, AVD®)
Applications	<ul style="list-style-type: none"> ▪ LEDs/OLEDs for displays and lighting ▪ Optoelectronics for telecom/datacom ▪ Organic Electronics for flexible displays ▪ CD-, DVD-, Blu-Ray-lasers ▪ High frequency for wireless ▪ High power SiC ▪ Solar cells ▪ Carbon Nanotube Structures 	<ul style="list-style-type: none"> ▪ Metal and oxide films for CMOS transistors ▪ Traditional NAND-Flash Memory ▪ Traditional, next generation DRAM Memory

Market Prospects

Short Term

- LED backlighting
- LEDs for automotive applications
- LEDs for exterior, public street & professional lighting

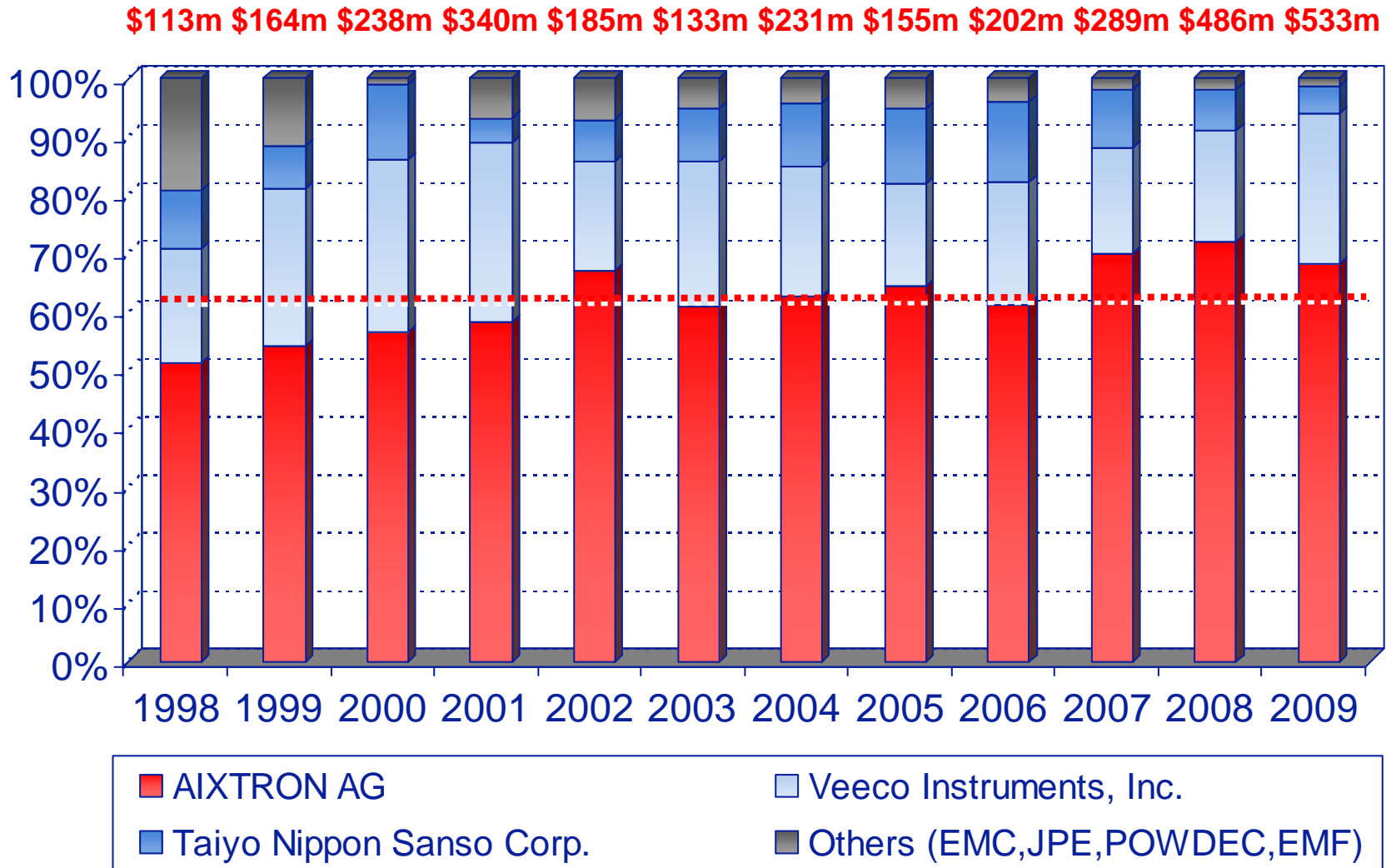
Mid Term

- LEDs for consumer & residential general lighting
- Silicon carbide (SiC) for hybrid automotive & solar applications
- Plastic electronics/flexible TFT backplanes
- Next generation NAND, DRAM & PRAM memory applications
- Specialized compound solar cells

Long Term

- OLED technologies
- III-V – Silicon material convergence
- Applications using Carbon Nanostructures

Global MOCVD Market Shares



Compilation of VLSI RESEARCH Inc. and Gartner Dataquest

Capital Increase – October 2009

Economic Environment:

- Growing market size
- Accelerating customer device improvements
- Increased competition

Investment Logic:

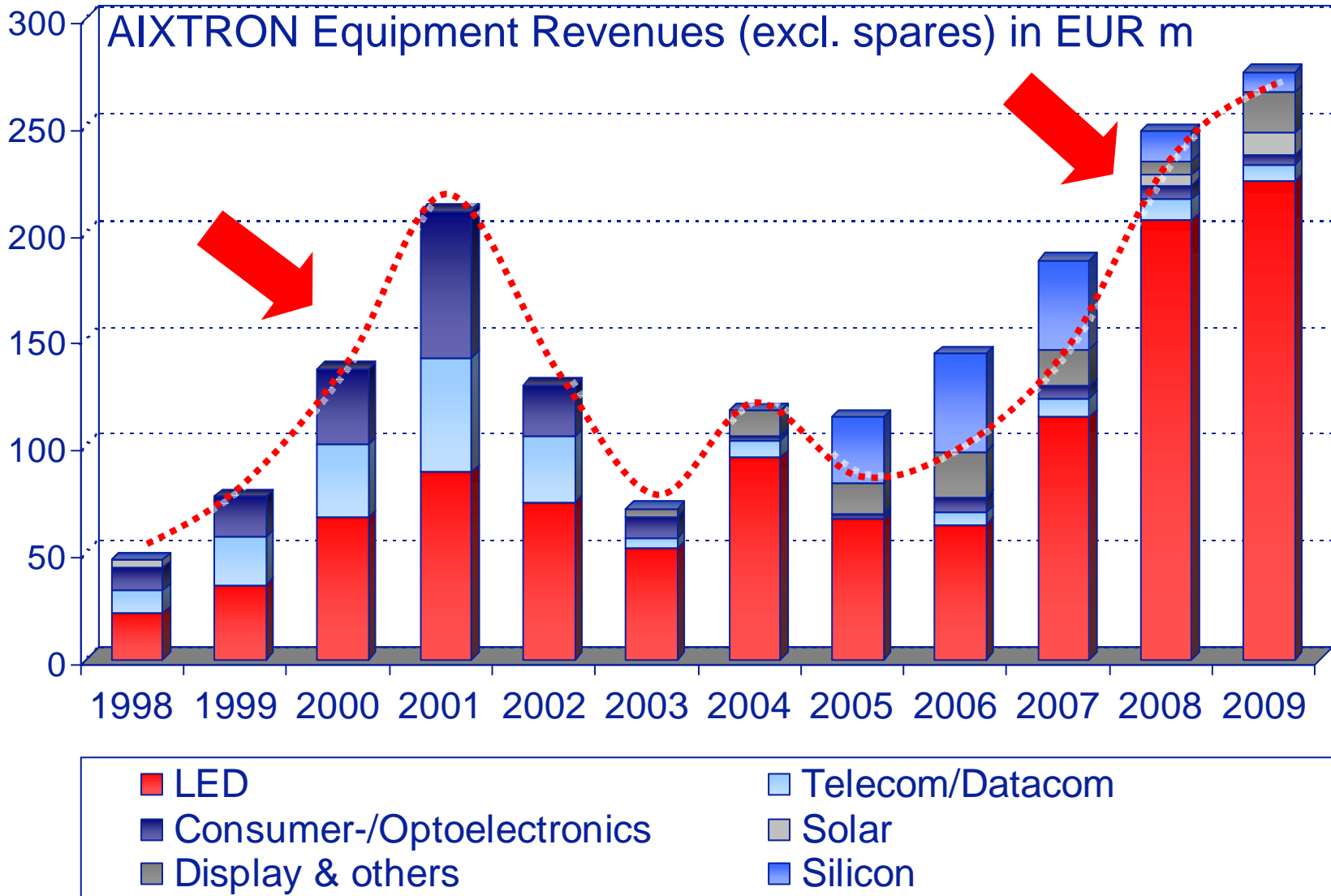
Increased Liquidity necessary to accommodate:

1. Increasing work in progress material funding
2. Reduced advanced deposits from new large corporate customers

Acceleration of R&D Roadmap developments required for:

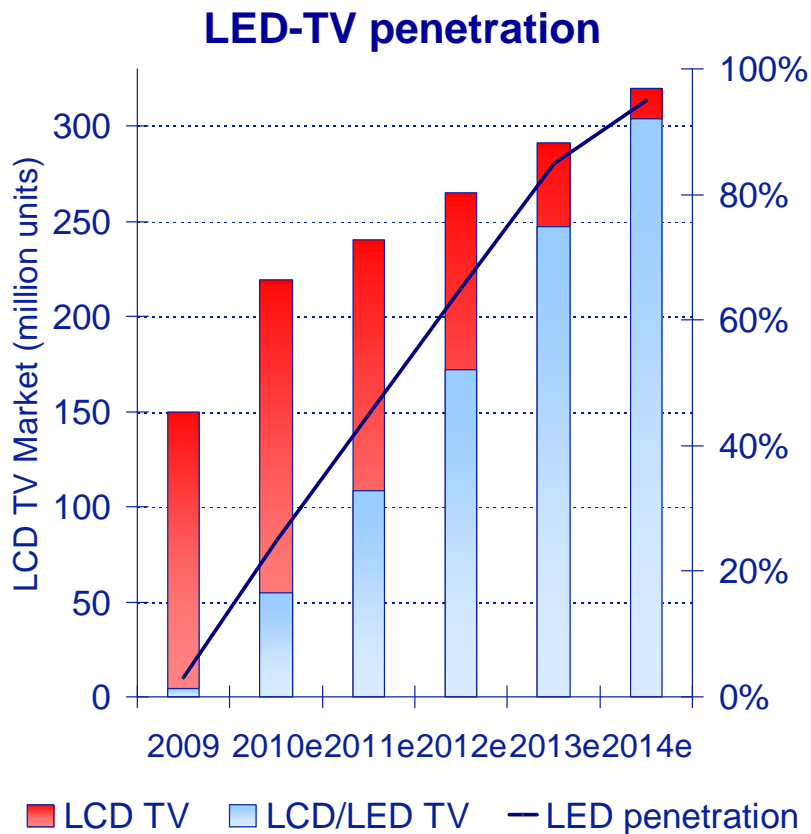
1. Product cycles are likely to become shorter
2. The earlier than expected need for a high volume Solid State Lighting system

Equipment Revenues by Application



LCD TV BLU Market Forecast

- Strong LCD TV unit growth (TAM)
- Rapid adoption towards full LED backlighting implementation



LED-TV product line-up by size in inches

Samsung	2009	32 40 46 55
	2010	19 22 26 32 40 46 55 60 65
LG	2009	42 47 55
	2010	19 22 26 32 37 42 47 55 60
Sony	2009	46 52 55
	2010	32 40 46 52 55 60
Sharp	2009	32 40 46 52
	2010	19 22 32 40 46 52 60 63
Vizio	2009	47 55
	2010	16 19 22 23 26 32 37 42 47 55 72

Based on: AIXTRON; Displaybank December 2009; DAIWA 2010

LED Product Applications



Motorola Phone



Audi R8 LED Headlight



Dell Laptop



Samsung LED backlit TV



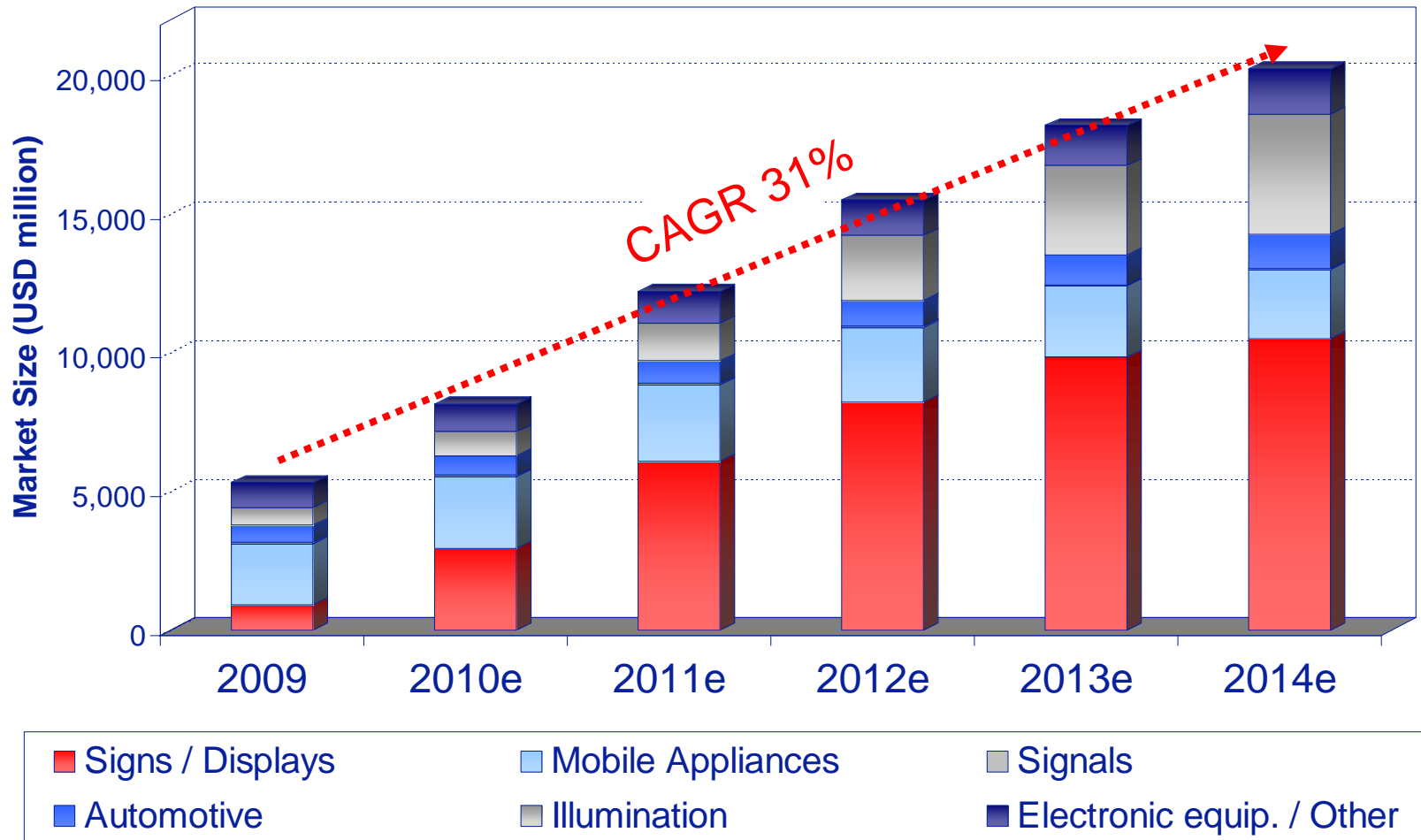
LED Street Lighting



LED Ceiling Light

High Brightness LED Market Forecast

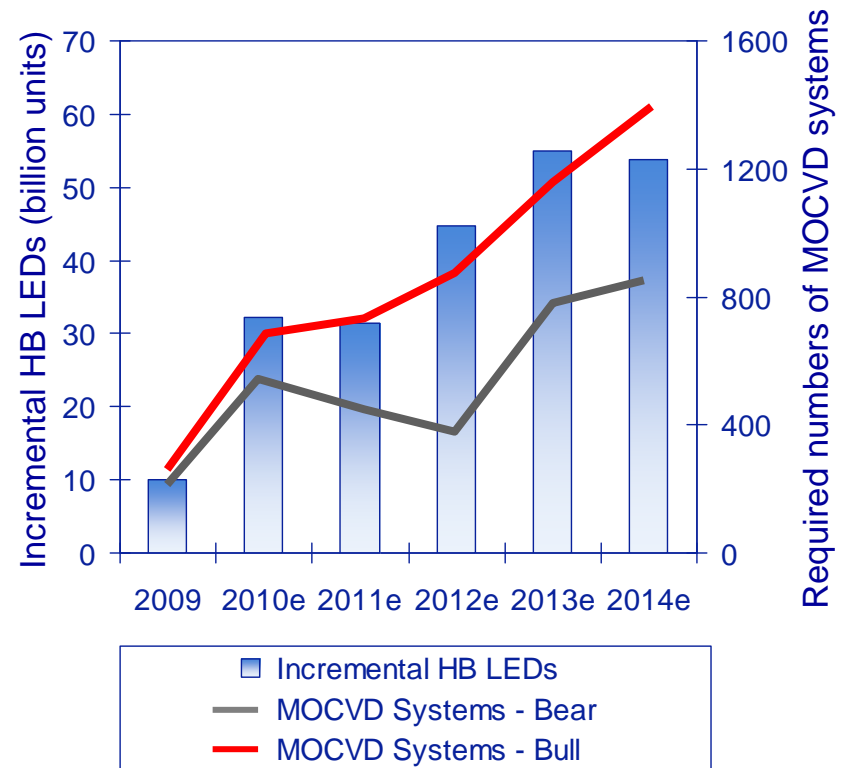
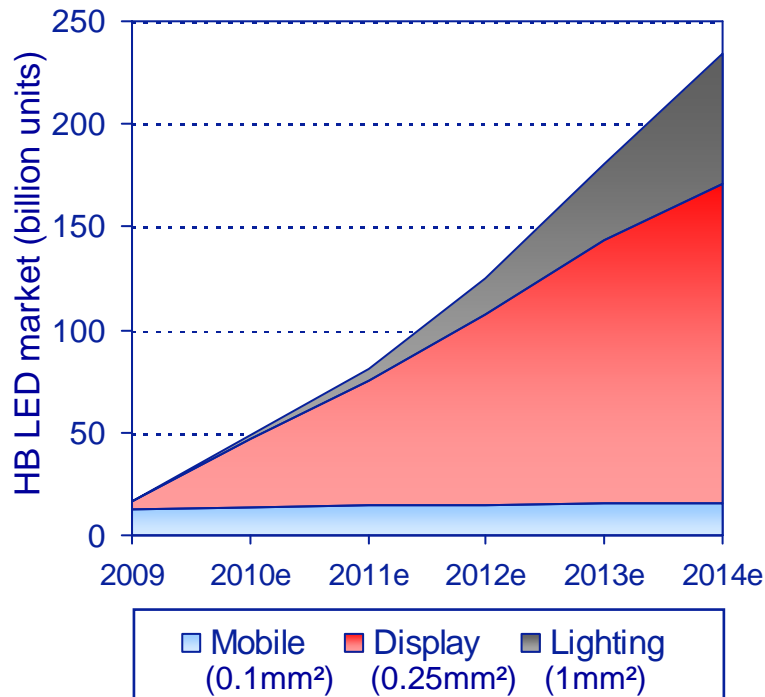
HB LED summary forecast by application



Source: Strategies Unlimited, February 2010

Production Supply Estimates for HB LEDs

- Stronger estimated unit volume growth
- Larger chip sizes to drive sustainable wafer area increase
- Improved visibility for SSL gaining momentum

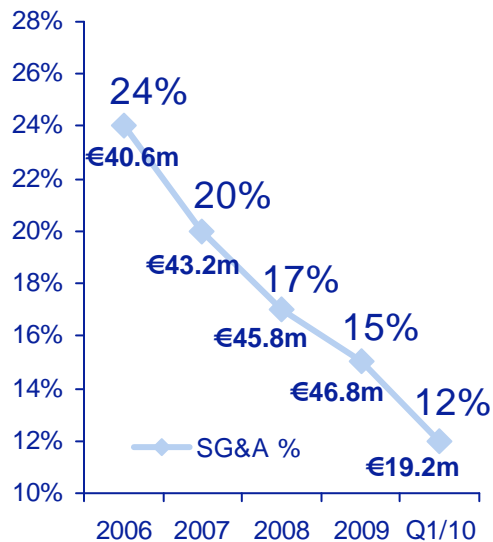


Based on compilation of latest opinions by: AIXTRON; Strategies Unlimited; Display Bank; Gartner Dataquest; Philips Lighting; Deutsche Bank; CanaccordAdams; JPMorgan; Merrill Lynch; Lazard Capital Market; Credit Suisse; Exane BNP

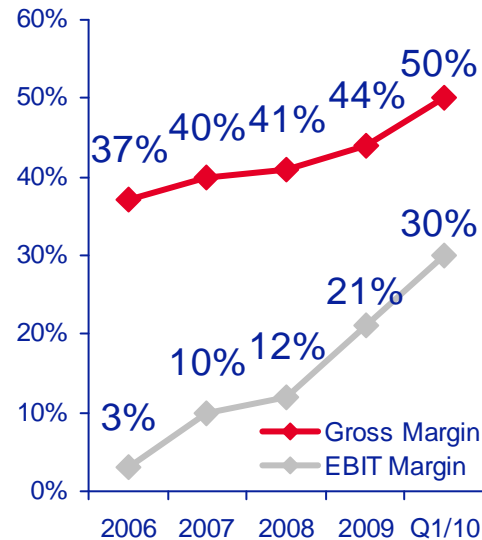
Operational Flexibility and Leverage

- Continued progress in profitability and margins
- Increasingly cost-effective organization
- Solid financial position for continuing operations

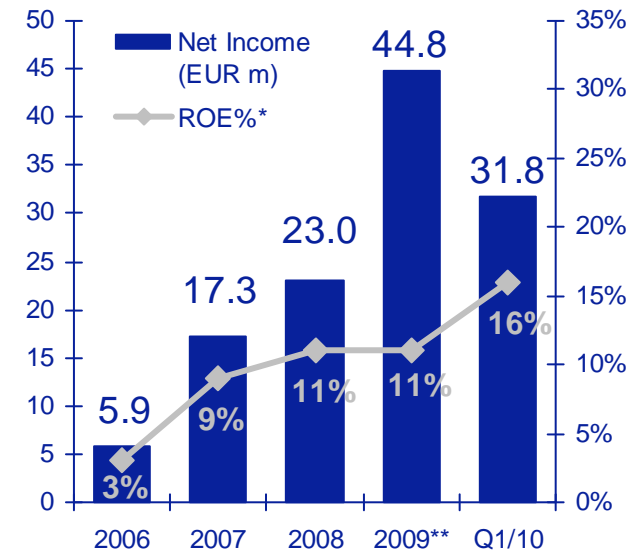
Flexible Cost Structure



Improving Profit Margins



Increasing Returns



* ROE calculation: last twelve months net income divided by period end shareholders' equity

** Including gross proceeds of EUR 159.4m from the October 2009 capital increase

Agenda

- Business & Market Trends
- Financials
- Outlook

Financial Highlights

Year on Year Comparison (2009 vs. 2008)

- Total revenues up 10% to €302.9m
(2008: €274.4m)
- Gross margin improvement to 44% for the year
(2008: 41%)
- EBIT up 93% to €62.7m or 21% margin
(2008: €32.5m / 12%)
- Basic EPS up 88% to €0.49
(2008: €0.26)
- Equipment order intake up 48% at €370.1m
(2008: €250.8m)
- Equipment order backlog up 94% to €203.8m
(2008: €105.0m)
- Cash & cash equivalents plus cash deposits up 327% at €301.2m
(2008: €70.5m; 101%)

Consolidated Income Statement

(€ million)	2009	2008	+/-
Revenues	302.9	274.4	10%
Cost of sales	168.1	161.5	4%
Gross profit	134.7	112.9	19%
Gross Margin	44%	41%	+3 pp
Selling expenses	25.5	27.8	-8%
General & administrative expenses	21.3	18.0	18%
R&D	32.9	28.3	16%
Net other operating (income)/expenses	(7.7)	6.3	
EBIT	62.7	32.5	93%
EBIT Margin	21%	12%	+9 pp
Result before tax	64.0	35.7	79%
Pre-Tax Margin	21%	13%	+8 pp
Net result	44.8	23.0	95%
Net Return on Sales	15%	8%	+7 pp
Earnings per Share (€)	0.49	0.26	88%

Consolidated Statement of Financial Position

(€ million)	31/12/09	31/12/08
Property, plant & equipment	37.8	39.3
Goodwill	58.3	58.7
Other intangible assets	7.8	10.3
Other non-current assets	14.8	9.1
Non-current assets	118.7	117.4
Inventories, WIP & Finished Goods	89.6	77.1
Trade receivables	49.3	38.8
Other current assets	14.3	11.0
Cash & Cash Equivalents incl. CD	301.2	70.5
Current Assets	454.4	197.4
Shareholders' equity	413.5	212.9
Non-current liabilities	2.2	2.1
Trade payables	21.4	18.8
Advanced payments from customers	87.9	52.6
Other current liabilities	48.1	28.4
Current liabilities	157.4	99.8
Balance Sheet total	573.1	314.8

Consolidated Statement of Cash Flows

(€ million)	2009	2008
Cash Flow from operating activities	78.9	15.7
Cash Flow from investing activities	-90.1	-11.3
Cash Flow from financing activities	153.6	-3.7
Exchange rate changes	1.3	-5.2
Net change in Cash & Cash Equivalents	143.7	-4.5
Cash & Cash Equivalents (beginning of period)	67.5	71.9
Cash & Cash Equivalents (end of period)	211.2	67.5
Change in Cash deposits (>3 months)	87.0	-1.8
Free Cash Flow*	75.8	2.6

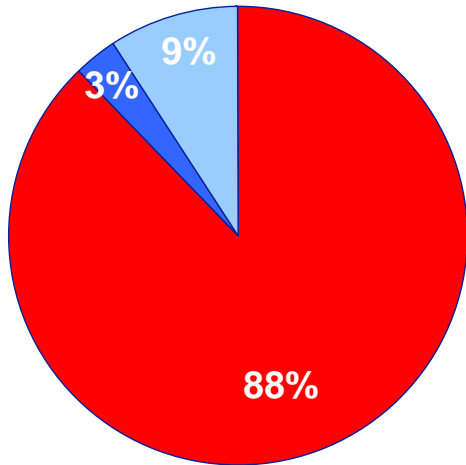
*) Operating CF + Investing CF + Changes in Cash Deposits

AIXTRON AG Key Financials (HGB)

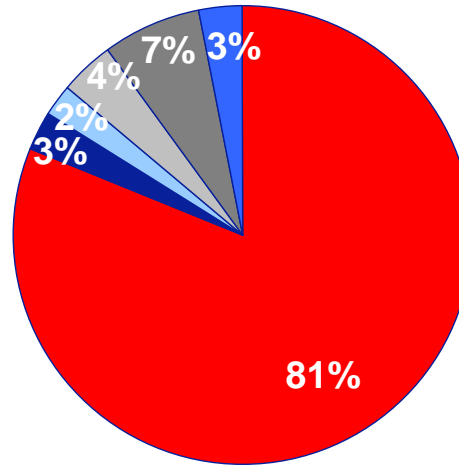
(€ million)	2009	2008	+/-
Revenues	285.8	203.6	40%
Gross profit	159.4	108.6	47%
Results from ordinary activities	59.9	34.2	75%
Net result	41.2	30.0	37%
Retained earnings	21.9	6.0	265%
Transfer (to)/from retained earnings	-20.6	-6.0	243%
Accumulated net result	42.5	30.0	42%
Dividend proposal/dividend	15.1	8.2	84%
Dividend per share (€)	0.15	0.09	67%

Revenue Analysis

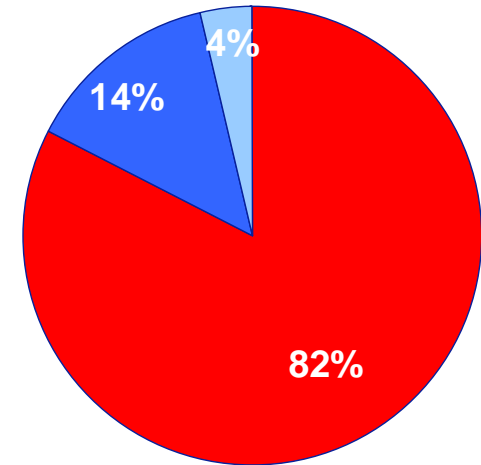
2009:
by technology



2009:
by end application
(equipment only)



2009:
by region



- Compound
- Silicon
- Spares

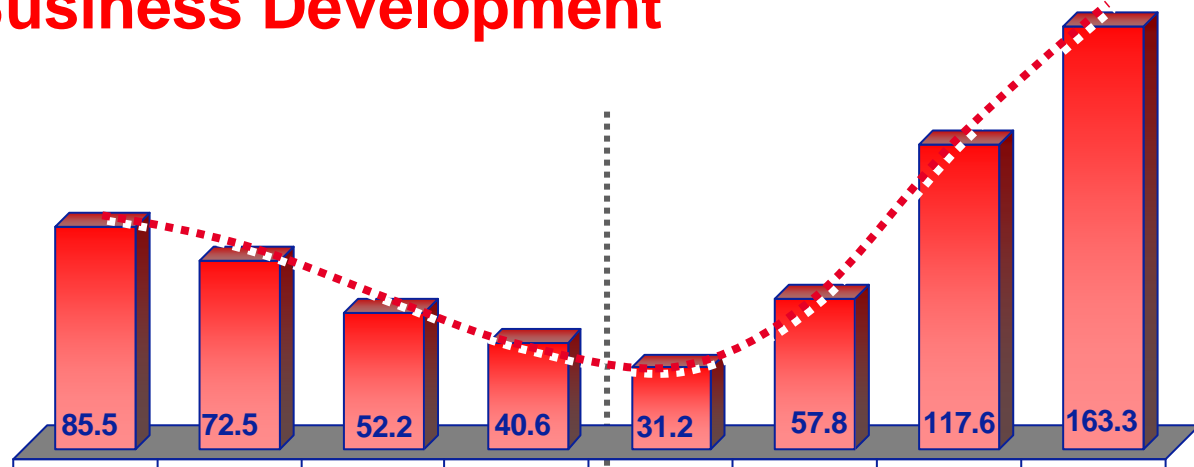
- LED
- Telecom/Datacom
- Consumer/Optoelectronic
- Solar
- Display & Others
- Silicon

- Asia
- Europe
- USA

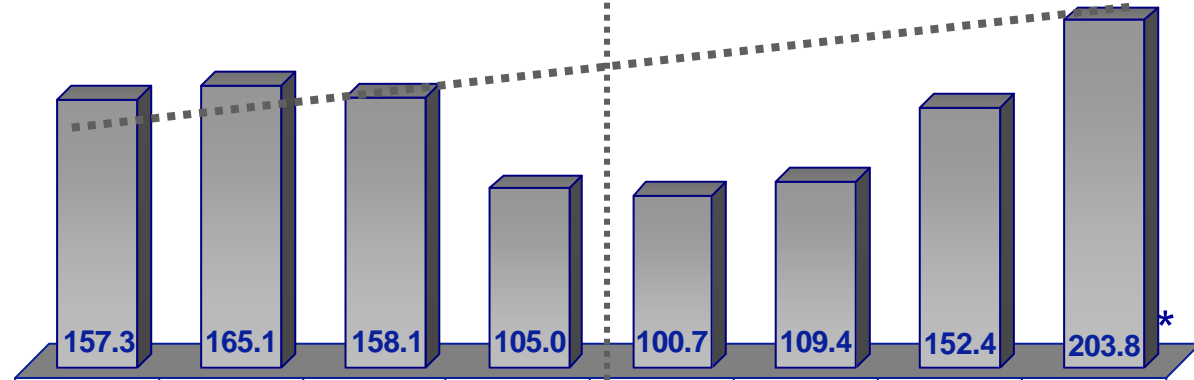
24 - Month Business Development

(€ million)

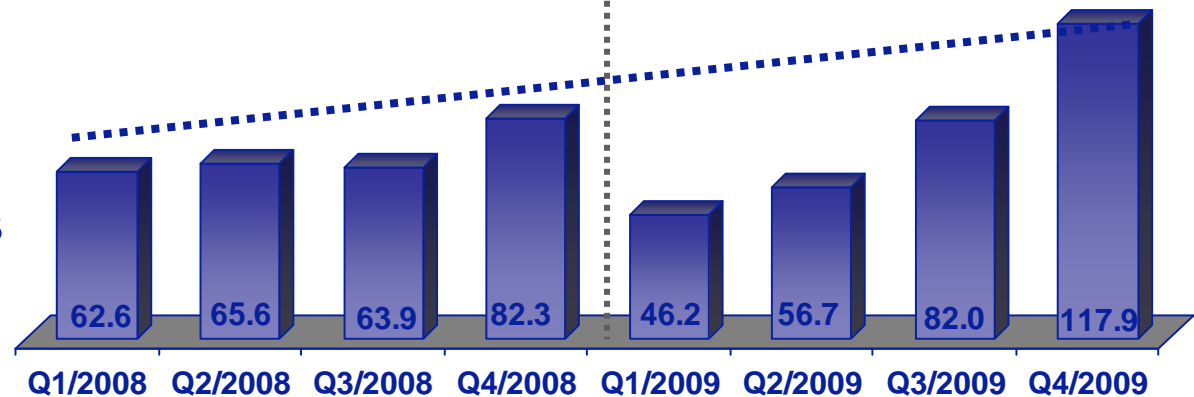
Equipment (only)
Order Intake



Equipment (only)
Order Backlog



Total Revenues
(incl. equipment,
service, spare parts)



*) revalued at 1/1/2010 to €190.9m at US\$ 1.50 per €

Q1/2010 Update: Key Group Financials

Quarterly, Year on Year Comparison (Q1/2010 vs. Q4/Q1/2009)

(€ million, unaudited)	Q1/10	Q4/09	+/-	Q1/10	Q1/09	+/-
Revenues	154.5	117.9	31%	154.5	46.2	234%
Gross Profit	77.9	55.5	40%	77.9	21.0	271%
Gross Margin	50%	47%	+3 pp	50%	45%	+5 pp
EBIT	46.4	33.7	38%	46.4	7.6	511%
EBIT Margin	30%	29%	+1 pp	30%	16%	+14 pp
Net Result	31.8	24.4	30%	31.8	5.5	478%
EPS (€)	0.32	0.26	23%	0.32	0.06	433%
Free Cash Flow*	67.8	30.1	125%	67.8	10.4	552%
Equipment Order Intake	168.5	163.3	3%	168.5	31.2	440%
Equipment Order Backlog (end of period)	229.9	203.8	13%	229.9	100.7	128%

*) Operating CF + Investing CF + Changes in Cash Deposits

TOP 12 – Why is the SE appropriate for AIXTRON?

- The Societas Europaea (SE) emphasizes the international focus of the AIXTRON Group, following the successful expansion and the strong growth in previous years
- SE is at the same time a clear commitment to being located in Europe with the headquarters remaining in Germany
- SE promotes an open international corporate culture
- SE increases flexibility for relocations within the EU
- SE has high international reputation
- SE is appreciated by the international financial markets

TOP 12 – No material changes due to the conversion

- Legal and economic **identity** of the Company remains unchanged
- No change of the group and organizational **structure**
- No change with regard to any existing **reporting** requirements
- No changes of **accounting** principles and **taxation**
- No material changes of applicable **corporate law**
- No impact on **shareholders' rights** (voting rights, dividends) and trade in AIXTRON **shares and ADS's**

TOP 12 – Material Amendments to the Articles of Association

Name change into AIXTRON SE	§1 No. 1
Appointment of Executive Board members for a maximum period of 6 years	§8 No. 1
Catalogue of transactions and measures which require the prior consent of the Supervisory Board	§10 No. 2
Term of office of Supervisory Board members will remain unchanged but will be limited to a maximum period of 6 years	§11 No. 2
Appointment of the members of the First Supervisory Board will be made in the Articles	§11 No. 3
Compensation for the First Supervisory Board members subject to resolution of the General Meeting in 2011; for periods thereafter provisions as in Articles of AIXTRON AG shall apply	§17 No. 6, §17 No. 3 and 4
Special majority requirements for amendment of Articles	§22 No. 1
General Meeting is required to take place within the first 6 months of every fiscal year	§25 No. 4

TOPs 8 to 10 – Renewal of Authorizations for Capital Measures

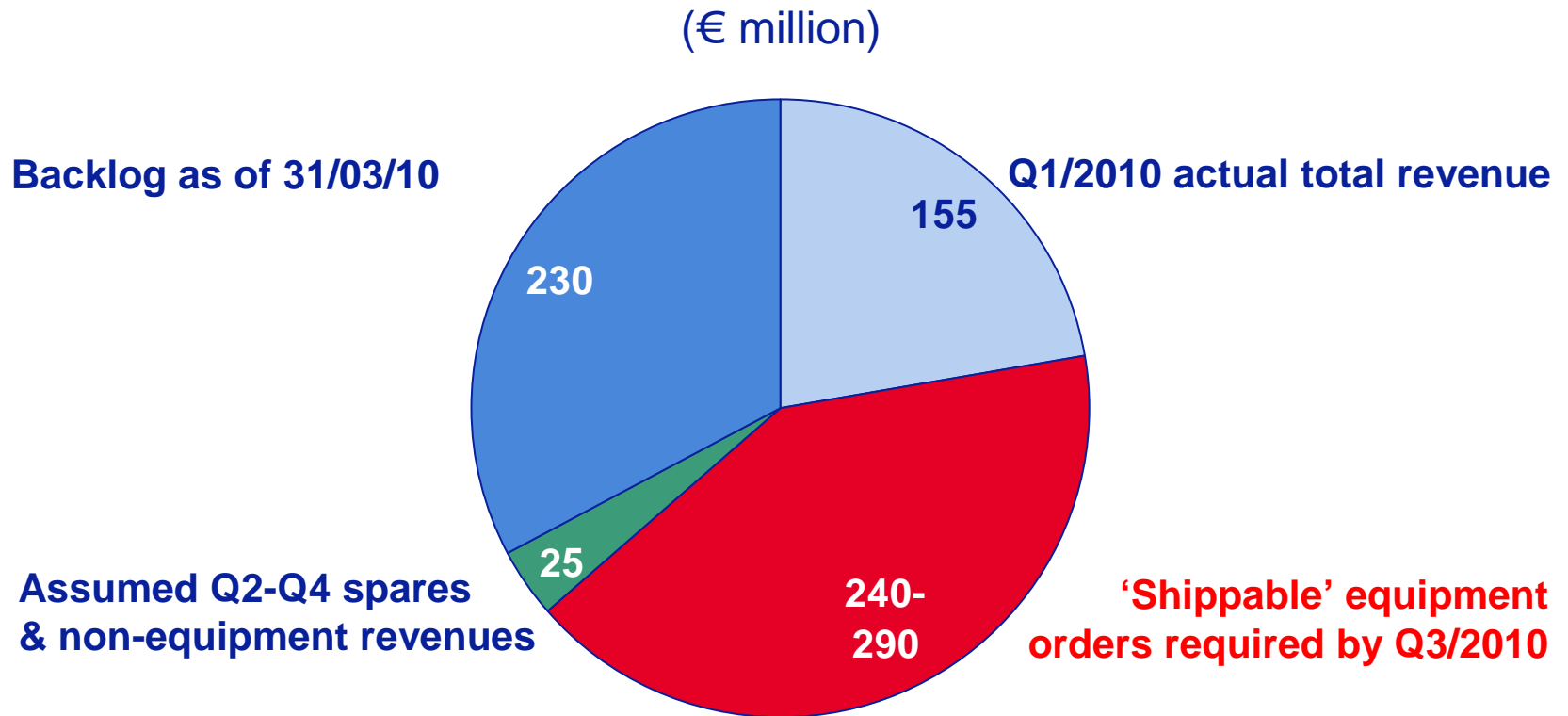
- The Supervisory and Executive Board have decided to withdraw these specific Agenda items
- Consequently Agenda Items 8-10 will not be voted on in today's meeting
- Motivation for the removal are the stated concerns from shareholders related to the volume of the proposed authorizations for capital measures in the current economic climate
- The tone of the concerns expressed suggest that a negative vote against these proposals could potentially be recorded in the meeting.
- AIXTRON had and currently has no committed appropriation plans requiring the potential proceeds from these authorizations
- The company currently has sufficient funds to be able to finance its immediate strategic plans

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2010 Guidance Model

- 2010 revenue guidance: €650m - €700m
- 2010 EBIT guidance: circa 30% EBIT margin



Key Takeaways / Outlook

Rapid & Sustainable Market Development:

- Accelerating implementation of LED backlighting technology for LCD displays
- Increased governmental and consumer ecological awareness
- Increasing momentum for lighting applications
- Shorter product life cycles & increased competition
- Rising interest for more complex & effective deposition solutions

Outlook – one step ahead

Flexible & Controlled Business Management:

- Forward looking management & investment decisions
- Solid financial situation, high liquidity, focus on profitability
- Production ramp-up enabling increasing output (150 systems per quarter capability targeted)
- Maintain leadership position in technology and market
- Increasing R&D investments to stay one step ahead



ALWAYS *ONE* *STEP* AHEAD