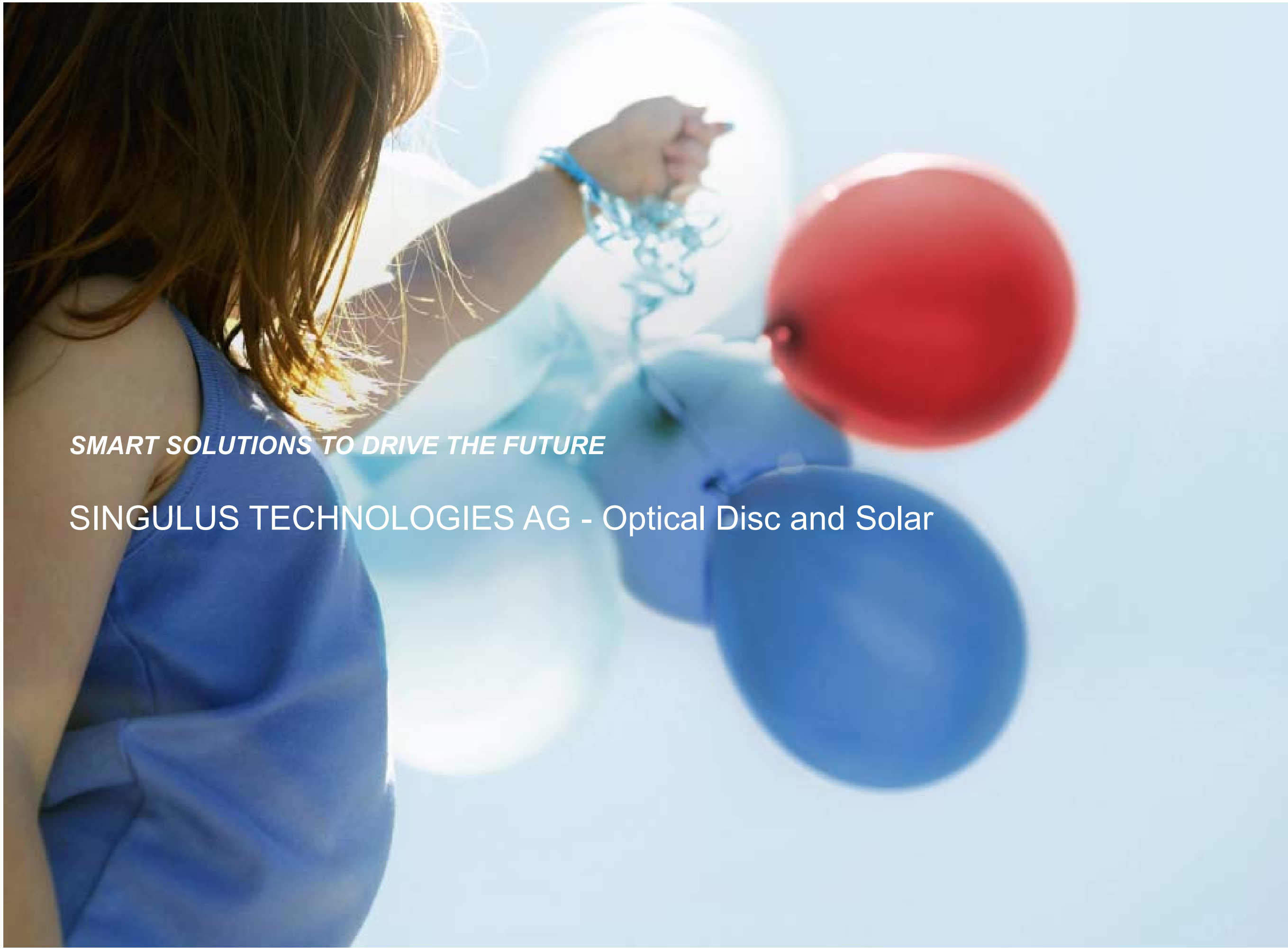


SMART SOLUTIONS TO DRIVE THE FUTURE

SINGULUS TECHNOLOGIES AG - Optical Disc and Solar

SINGULUS

Milestones

→ 2011	New order for Selenization Furnace for CIS Thin Film Solar
→ 2010	Start of expanded Solar Strategy
	Major order for new Thin Film Solar Production System
	First FAT for Front End System
	Market share > 90 % in prerecorded Blu-ray Production Systems (excl. Sony)
→ 2009	First shipment of SINGULAR
→ 2008	Acquisition of Blu-ray business from Oerlikon
→ 2007	Acquisition of STANGL Start in the Solar equipment market First revenues in Blu-ray replication lines
→ 2006	Takeover of majority share in largest competitor HamaTech
→ 2004	2nd Mastering acquisition
→ 2001/2002	Acquisition of injection molding and 1st Mastering company
→ 1997	Introduction of DVD Inline Systems
→ 1996	Introduction of CD Inline Systems
→ 1995	Start of SINGULUS TECHNOLOGIES

Financial Overview 1st HY 2011

in million €	1st Half Year 2010	1st Half Year 2011
Revenues	49.3	64.6
Order Intake	67.4	115.0
Order Backlog (30.06.)	45.5	85.9
EBITDA	0.9	5.4
EBIT	-8.0	-0.2
Profit Before Tax	-10.2	-1.6
Net Profit	-7.9	-2.7
Operating Cash Flow	-11.6	7.5

Financial Overview 1st HY 2011

in million €	Total	Optical Disc	Solar	Semicon
Revenues	64.6	40.5	21.4	2.7
EBITDA	5.4	7.1	-0.6	-1.1
EBIT	-0.2	4.1	-3.1	-1.2

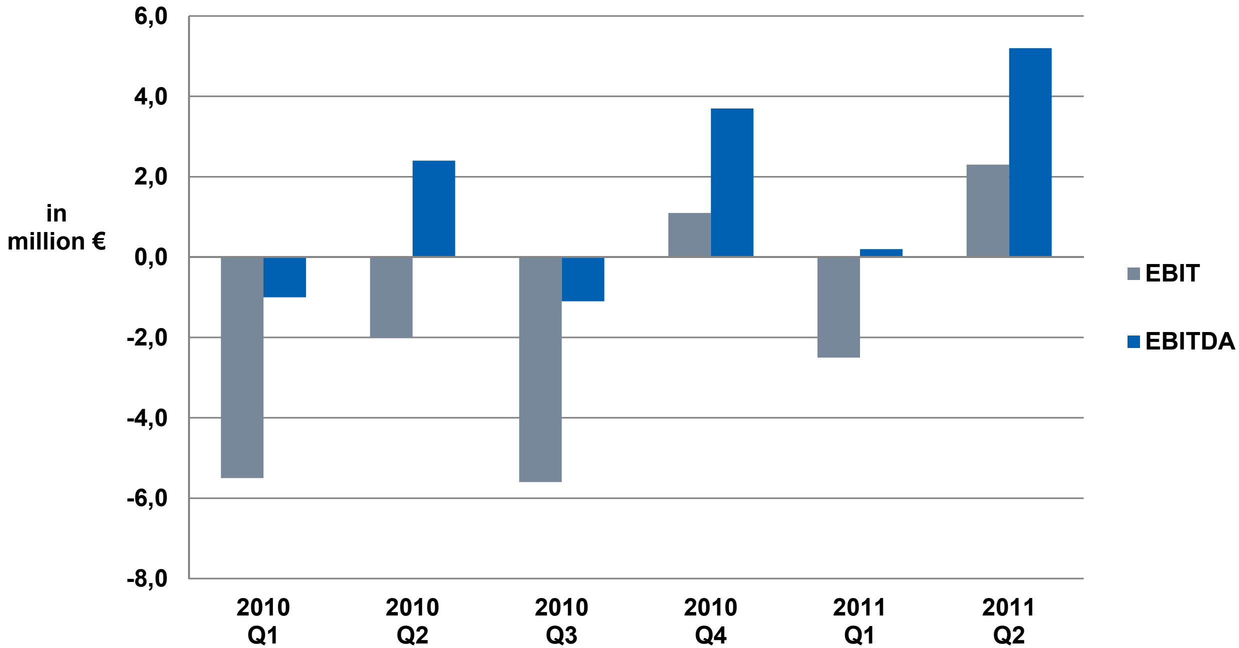
Financial Overview Q2 2011

in million €	Q2 2010	Q2 2011
Revenues	27.8	44.8
Order Intake	27.6	49.1
Order Backlog (30.06.)	45.5	85.9
EBITDA	1.9	5.2
EBIT	-2.5	2.3
Profit Before Tax	-3.5	1.5
Net Profit	-2.2	1.1
Operating Cash Flow	-8.9	2.5

Profit & Loss Statement Q2 2011

in million €	Q2 2010	Q2 2011
Gross Revenue	27.8	44.8
Net Revenue	27.5	44.2
Gross Profit **(in % of Net Revenues)**	7.2 (26.2%)	12.7 (28.7%)
OPEX (Total)	-9.7	-10.4
- R+D	-3.2	-3.0
- Sales & Customer Service	-4.6	-4.3
- GM & A	-3.3	-3.1
- Other Income/Expenses	1.4	0.0
EBIT	-2.5	2.3
Net Income	-2.2	1.1
EPS basic (in €)	-0.05	0.03

EBIT and EBITDA*



* adjusted by one time effects

Balance Sheet

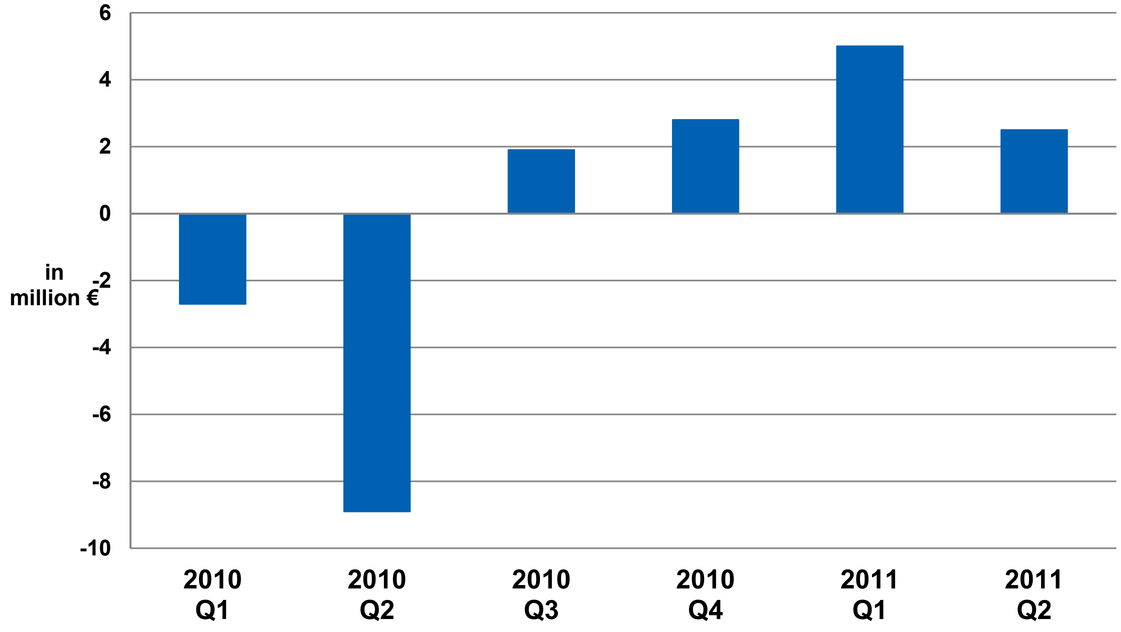
in million €	Dec. 31, 2010	June 30, 2011
Cash and Cash Equivalents	12.3	18.6
Total Receivables and Other Current Assets	47.3	54.4
Total Inventories	47.7	54.8
Non Current Assets	74.6	72.9
Total Assets	181.9	200.7
Total Current Liabilities	54.6	57.4
Total Non-Current Liabilities	21.1	16.9
Total Equity	106.2	126.4
Equity and Liabilities	181.9	200.7

Cash flow Development

in million €	6M 2010	6M 2011
Cash flow from Operating Activities	-11.6	7.5
Cash flow from Investing Activities	4.9	-0.9
Cash flow from Financing Activities	21.5	-0.2
Total Cash flow	14.8	6.4

Cash and Cash Equivalents at the Beginning of the Period	15.2	12.3
Effect of Exchange Rate Changes	0.5	-0.1
Cash and Cash Equivalents at the End of the Period	30.5	18.6

Operating Cash Flow



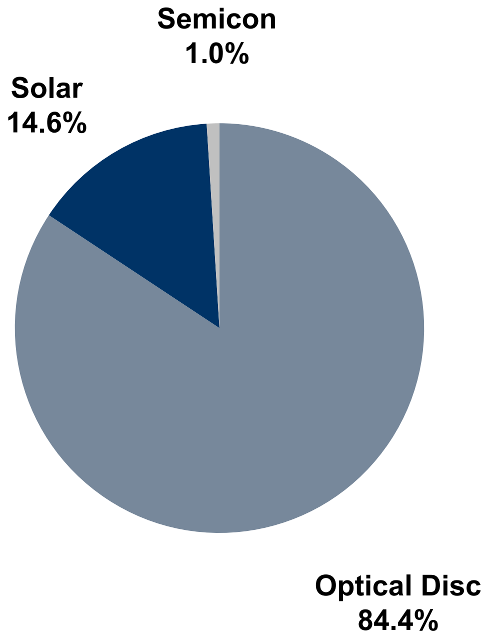
Employees

	March 31, 2011	June 30, 2011	Δ
STANGL	135	132	-3
SINGULUS	329	331	+2
SINGULUS Group	464	463	-1

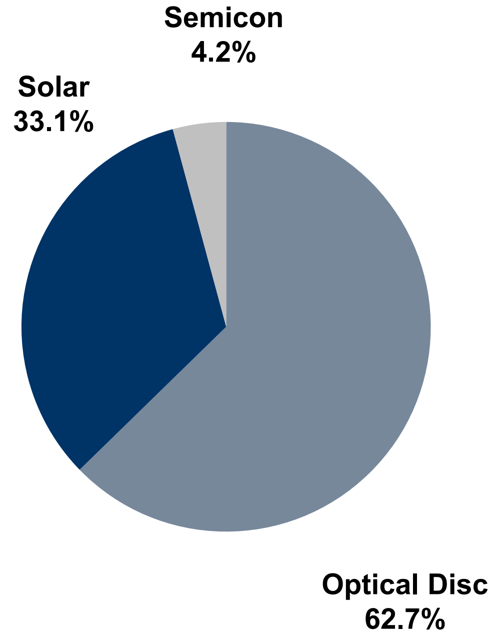
Domestic	350	351	+1
Abroad	114	112	-2

Sales Split by Products

1st Half Year 2010

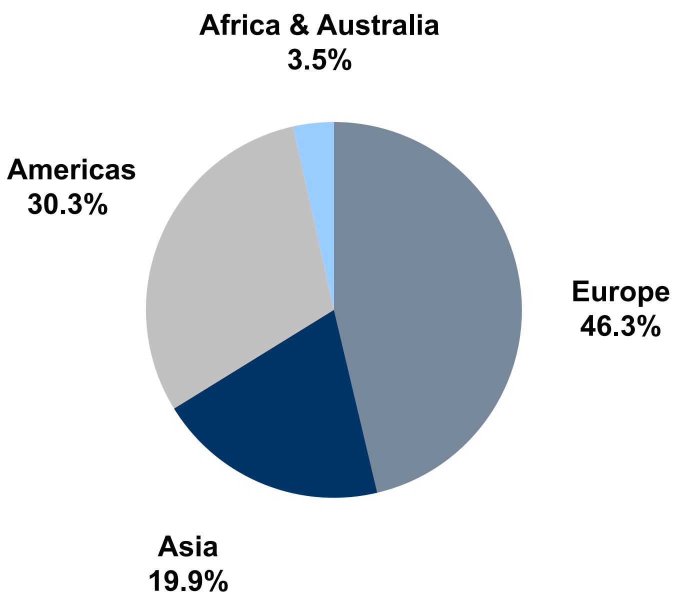


1st Half Year 2011

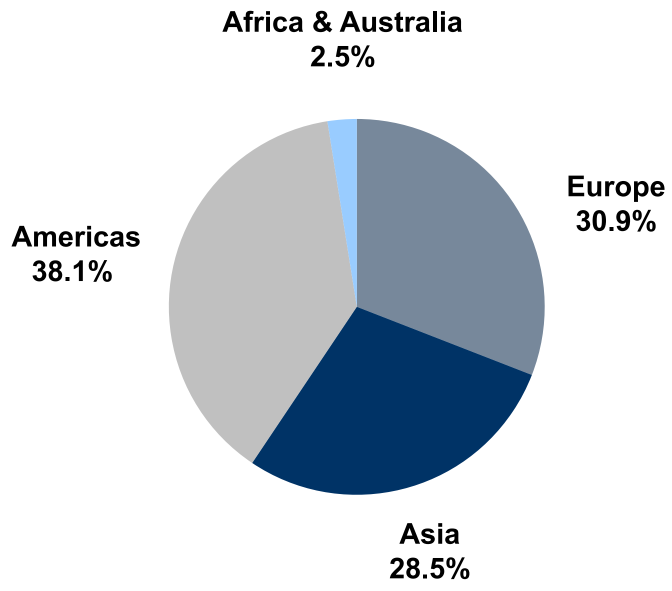


Sales Split by Region

1st Half Year 2010

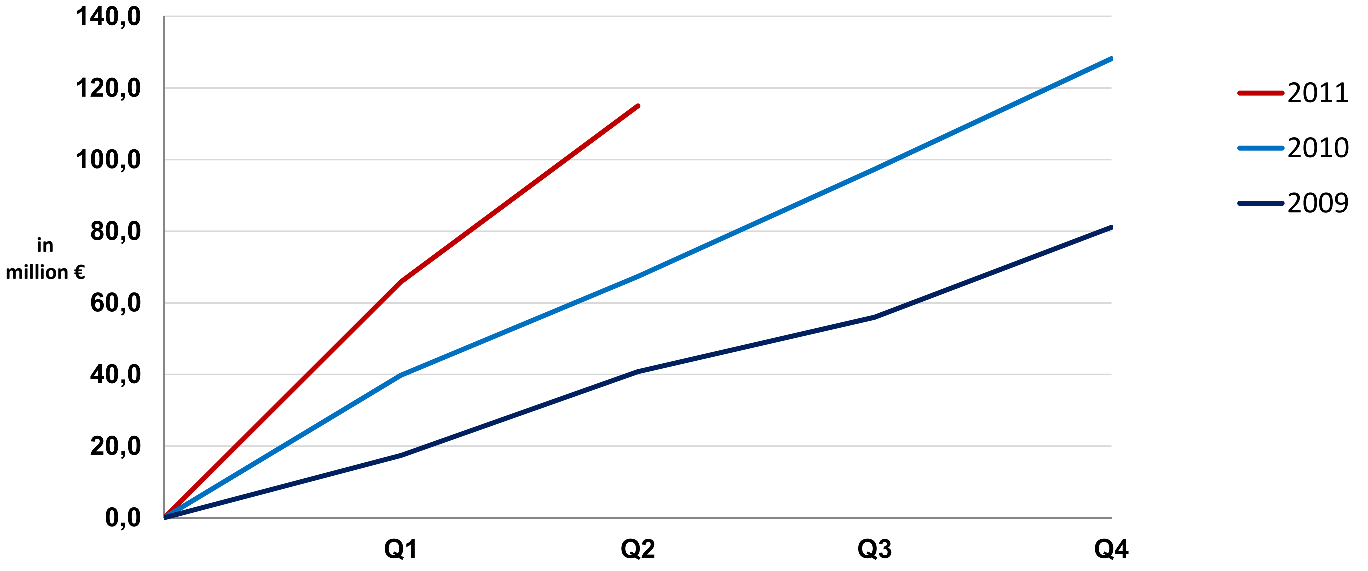


1st Half Year 2011



Accumulated Order Intake

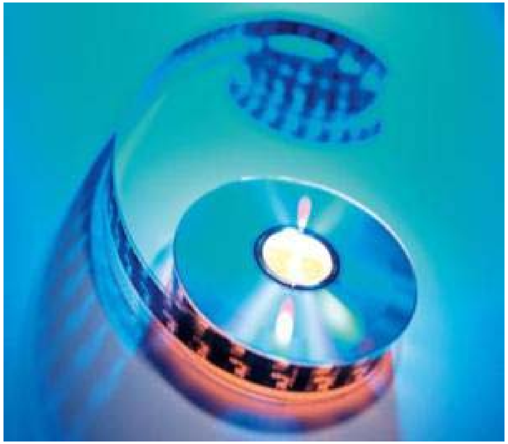
→ Order intake in 2011 is by far exceeding the previous years



Our Major Segments

Optical Disc

- Mastering
- Molding
- Replication



Solar

- Coating
- Wet Processing
- Systems Business

The Total Solution for Optical Disc

Mastering Systems

Molding Systems

SKYLINE for CD

SPACELINE for DVD

BLULINE for Blu-ray

3D Ready: Production Systems for all Blu-ray Formats

High Margin Product BLULINE II

- → Best of class
- → Market share 90 % (excl. Sony)
- → Excellent equipment performance
- → > 100 Blu-ray systems installed base
- → Platform for BD 75 & BD 100

CRYSTALLINE

- → Ready for Dual Layer Blu-ray
- → Well-established in the market

Production Systems for BD-R/BD-RE

BLULINE BD-R/RE

→ Inline production system
→ Based on BLULINE II
→ Will open potential for new revenues

BLULINE CLM

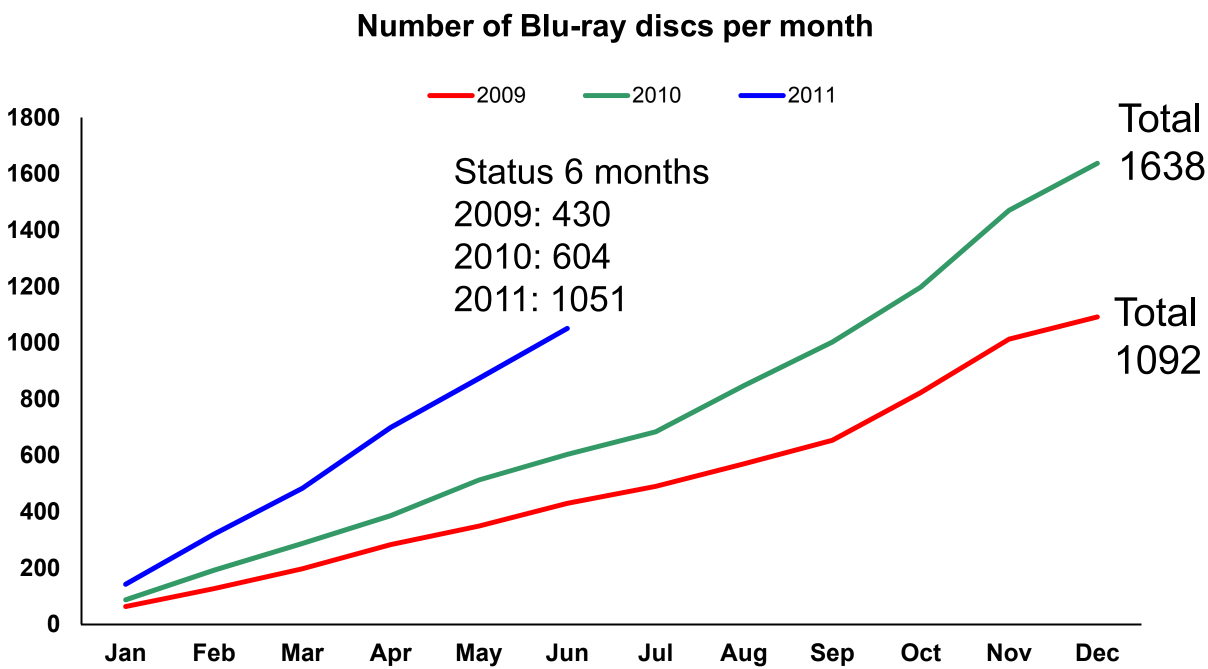
→ New module for BD-R cover layer
→ Already 8 systems in order backlog

SINGULUS Blu-ray Disc Lines World Wide

→ Total over 130 Blu-ray disc lines at more than 30 customers

Blu-ray Disc Titles Published in Germany

→ Strong growth in the number of Blu-ray disc release

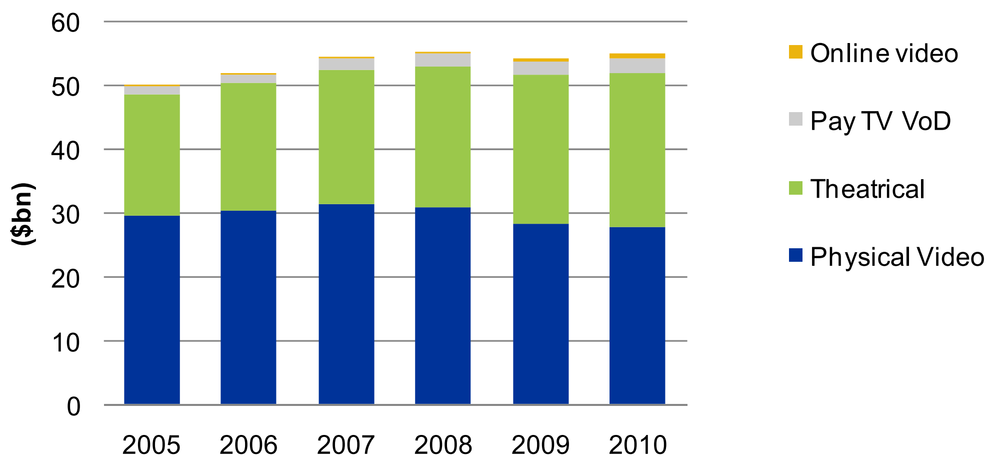


Source: http://www.bluray-disc.de/blu-ray-filme/kalender

Packaged Media Generated Half of all Movie Spending

→ The prevalence of the retail business model means packaged media's share of volume is even greater up to 60 %

Global movie spending by platform 2005 - 2010

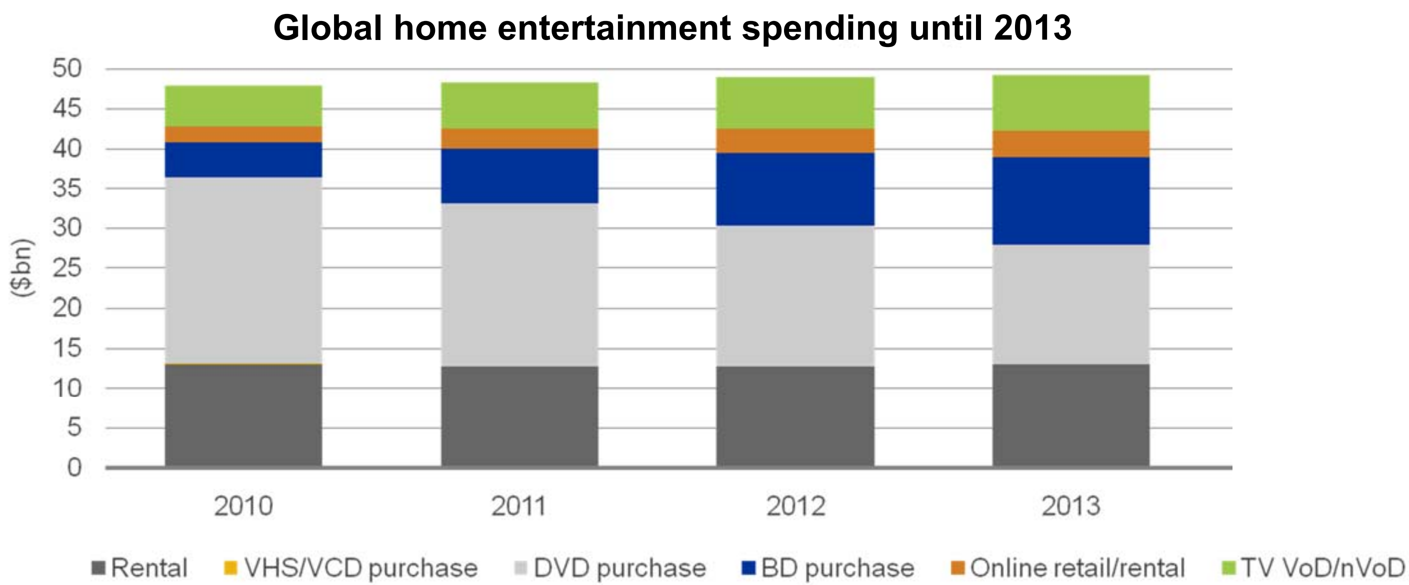


Source: HIS/Screen digest

Packaged Media will still Generate 77 % of Total Spending

→ By 2014 online will account for 8 % of global home entertainment spending

→ TV Video on Demand for a further 15 %

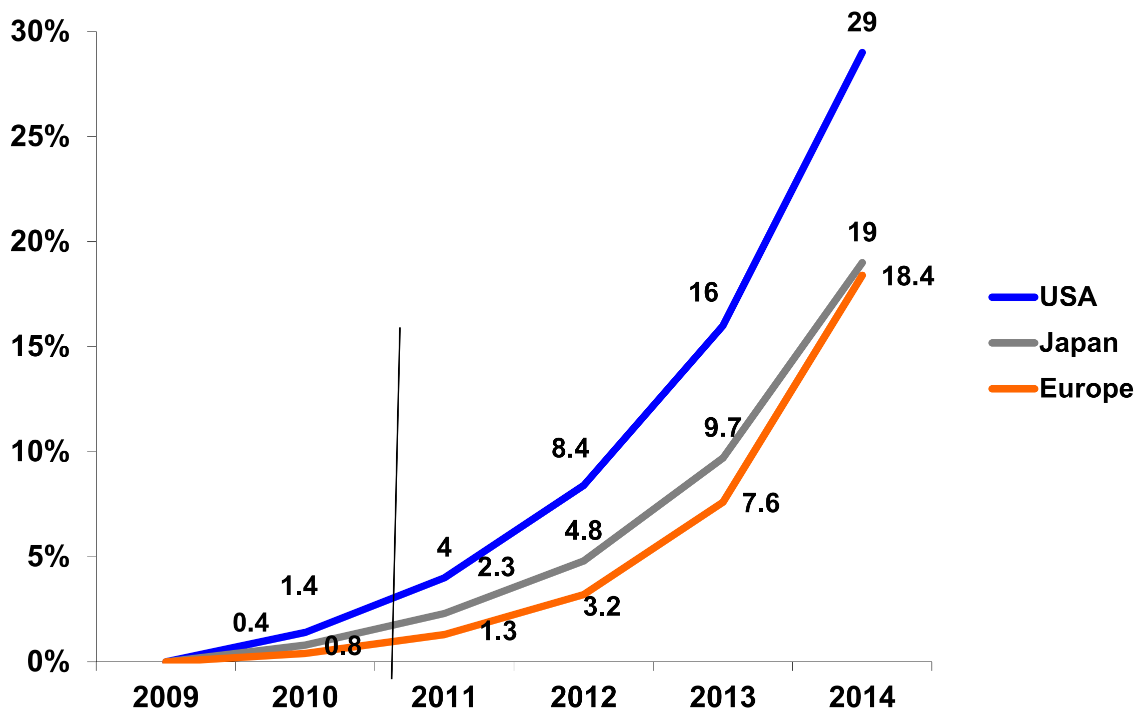


Notes:
Local currencies converted at fixed 2010 exchange rates
Physical data covers all mainstream genres; Digital includes content delivered over the open internet: retail (movies, TV & sport), rental (movies & TV) and subscription (movies & TV); TV VoD/nVoD covers TV content and movies delivered through walled garden systems

Source: HIS/Screen digest

3D TV Screen Penetration Forecasts

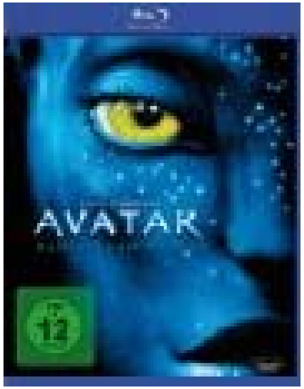
- In a few years, 3D will be a standard feature on most mid-high end HDTVs
- By 2014, 29 % of the households in the US will have a 3D capable TV



Source: HIS/Screen digest

Blu-ray – Coming Soon

→ Coming soon: Harry Potter blockbuster on BD, Star Wars Saga on BD and later on BD 3D, Lord of the Rings on BD 3D and more…

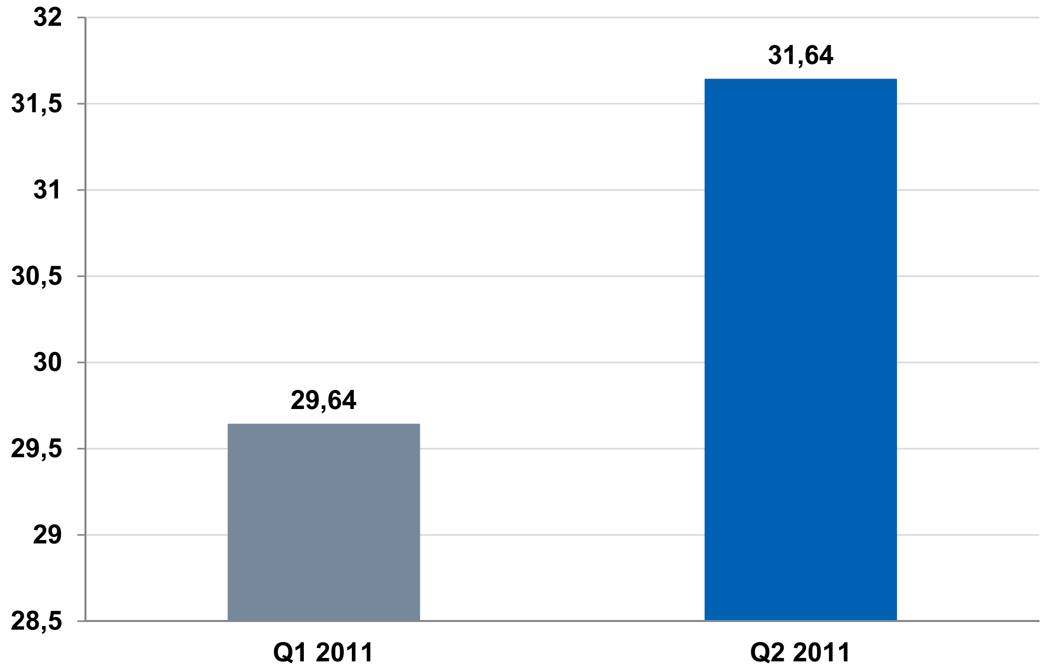


3D Blu-ray Disc

Blu-ray Disc TM

Growing Hardware Base in US

→ Installed Blu-ray base crossed 30 million milestone in Q2, adding 2 million devices

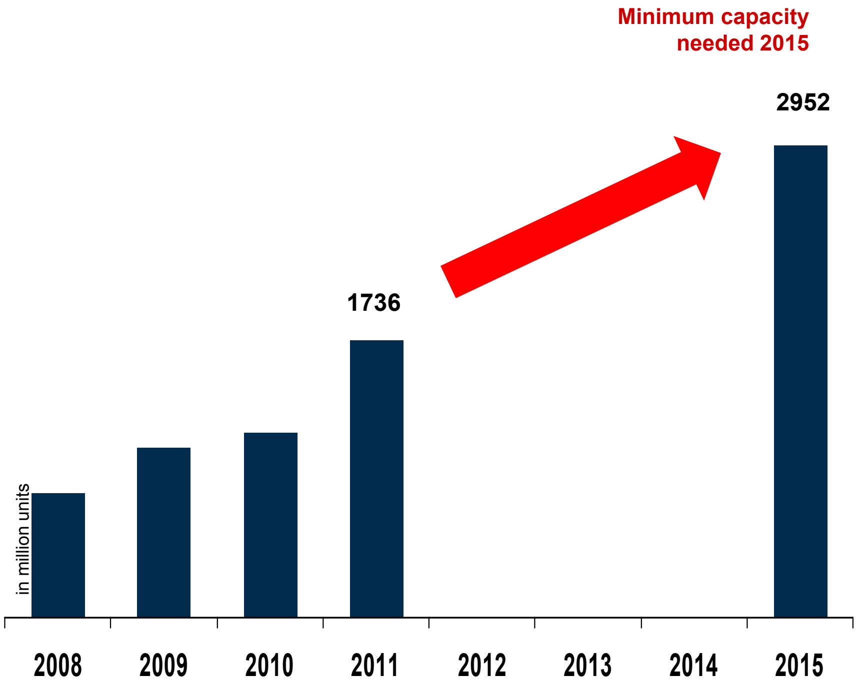


Blu-ray Installed Base (in Millions of Hardware Units)

Source: DEG: The Digital Entertainment Group 07-2011

Packaged Media Remains Major Revenue Stream

→ Production capacity will be build up over the coming years



_ Rapid growth of Blu-ray disc sales worldwide

_ Packaged media remain the major revenue generator for studios

_ 3D will boost the Blu-ray market

_ High Blu-ray player penetration

Source: FutureSource 07-2011

Global Blu-ray Replication Industry Update

→ Global pre-recorded BD production is forecast to reach to 811 million discs this year, an expansion of 38% over 2010

- → North American BD-Video output is forecast to expand by 49% this year
- → The European industry is expected to experience a similar level of growth
- → In Japan BD-Video production is forecast to increase by one third
- → BD production activity in Asia continues to underperform

→ PS3 remains the key non video application on BD with an increase of 10%

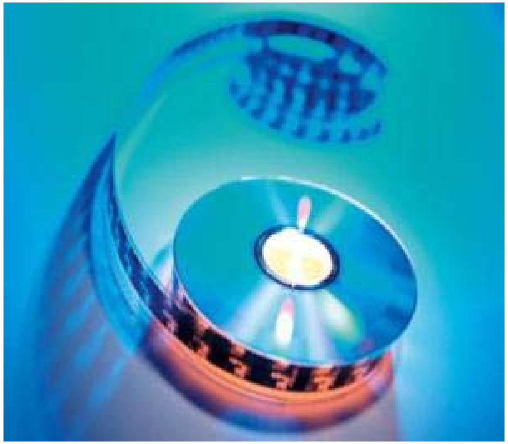
→ BD volumes might receive a further boost from the launch of Nintendo's WiiU games console which will use a proprietary format based on Blu-ray

Source: FutureSource 07-2011

Our Major Segments

Optical Disc

- Mastering
- Molding
- Replication



Solar

- Coating
- Wet Processing
- Systems Business

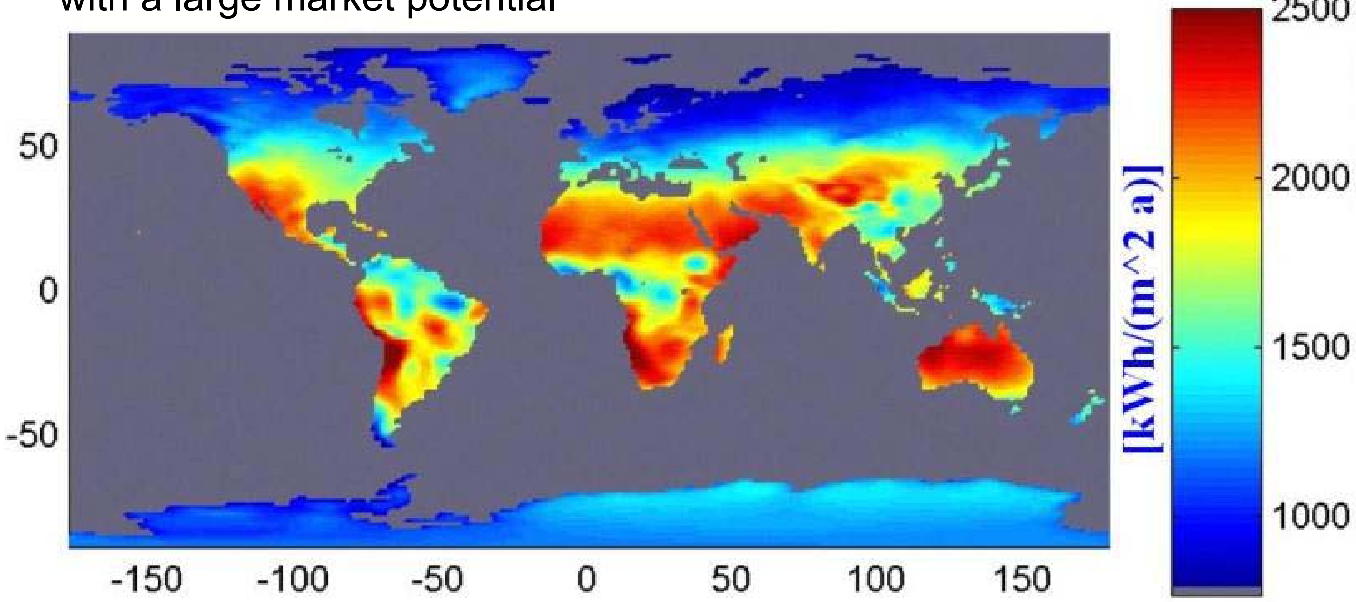
Solar Irradiation Around the World

→ Today, solar energy is less than 0.1 % of global energy

→ The “sunny” parts of the world are ready for photovoltaic

→ Cost reduction of cells and modules will drive photovoltaic

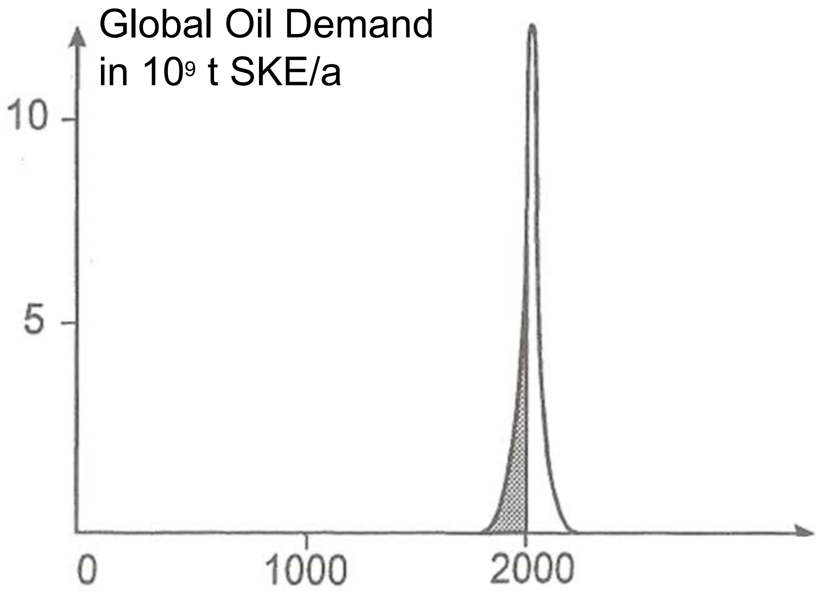
→ Photovoltaic will be one of the most economic energy sources with a large market potential



Source: European Centre for Medium-Range Weather Forecasts; http://www.ecmwf.int/.

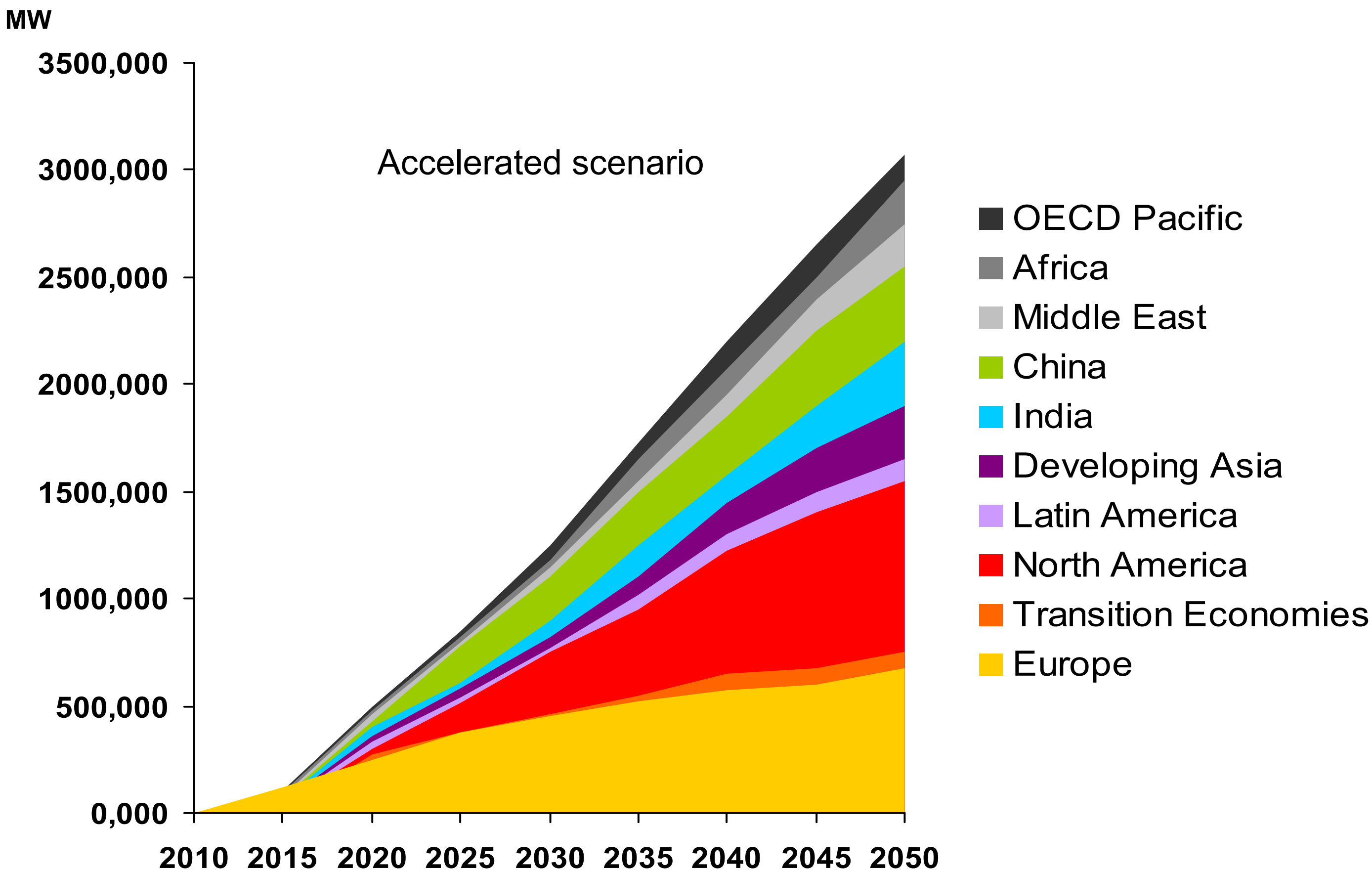
Peak Oil vs. Increasing Global Energy Demand

→ Significant oil consumption started only approx. 100 years ago
→ „Peak Oil“ is expected in 10 to 20 years from now



Sources: P. Würfel, “Physik der Solarzellen”, 2000; Wissenschaftlicher Beirat der Bundesregierung Globale Umweltveränderungen 2004

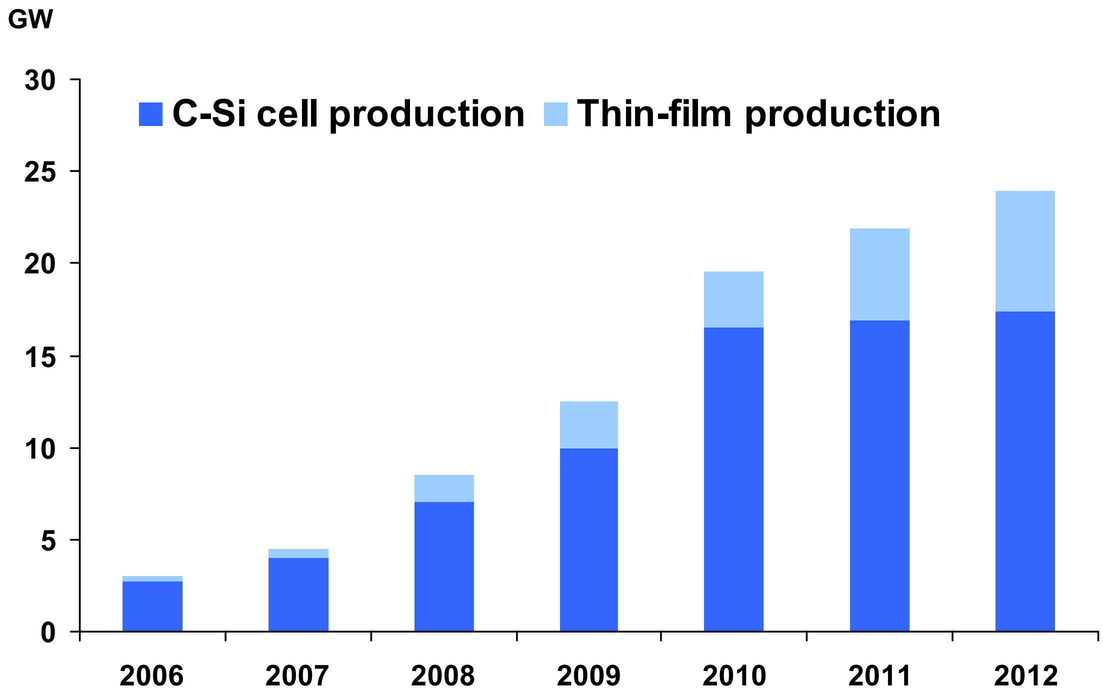
Evolution of Cumulative Installed Capacity



Source: Greenpeace/EPA Solar Generation VI, 2010.

Market Share between C-Si and Thin film Production

→ Thin growth rate in thin film will be exceeding C-Si



Source: IEA-PVPS und Bank Sarasin, Nov. 2010.

Equipment Partner for High Performance c-Si Solar Cells

Today

- Machine in production
- Standard processes developed
- High-efficiency processes in development
- Cooperation with several institutes and lead customers for new cell concepts in progress
- New orders acquired and further expected
- Sales activities in Asia enhanced

- Integrated c-Si production systems and corresponding standard processes defined
- Marketing of systems has started

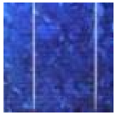
Tomorrow

- Application of high efficiency cell processes on existing equipment
- Introduction of new equipment for advanced cell concepts
- Integration of high efficiency processes into system business

Integrated System Business for Crystalline Solar

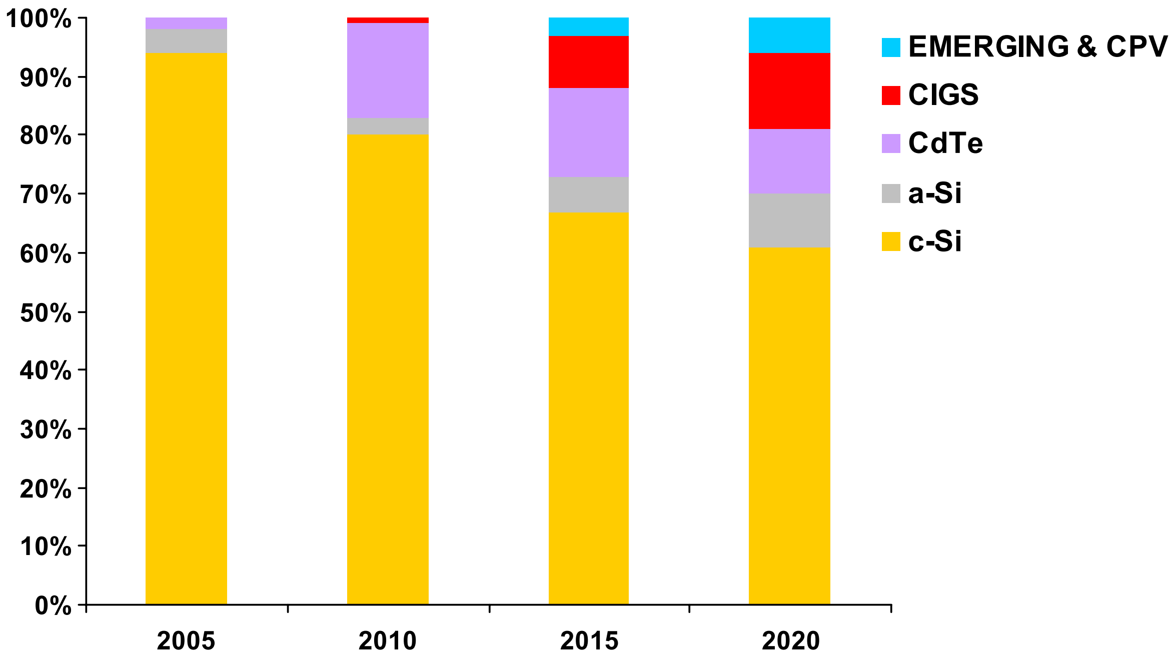
→ SOLARE System for Inline Production of Silicon Solar Cells with LINEA and two SINGULAR & a back-end with double capacity offering approx. 60 MW

Etching ▸ Texturing ▸ Doping ▸ PSG Removal + Edge Isolation ▸ AR Coating + Passivation ▸ Metallizing ▸ Edge Isolation ▸ Firing ▸ Test + Sort



CIGS with Growing Market Share

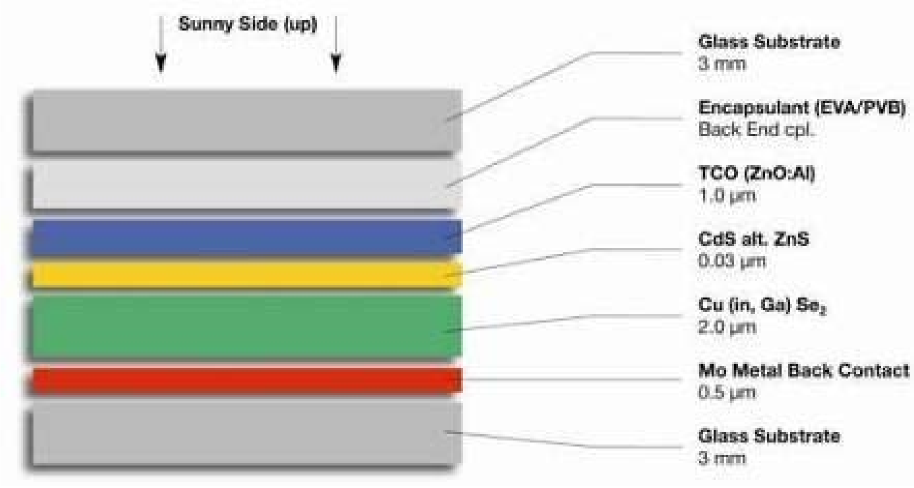
→ CIGS is expected to become the most prevalent technology in thin film solar

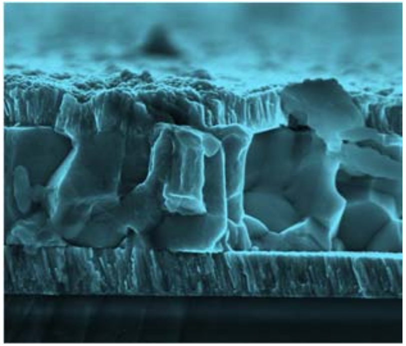


Source: Historical data (until 2009) based on Navigant Consulting. Estimations based on EPIA analysis.

Structure of CIGS Thin Film Solar Cell

→ Advanced CIGS technology for thin film solar cells





CISARIS Inline Diffusion Furnace for CIS/CIGS Solar Cells

→ Product introduced 2010

→ 8 Machines already sold with an order intake of about € 50 million

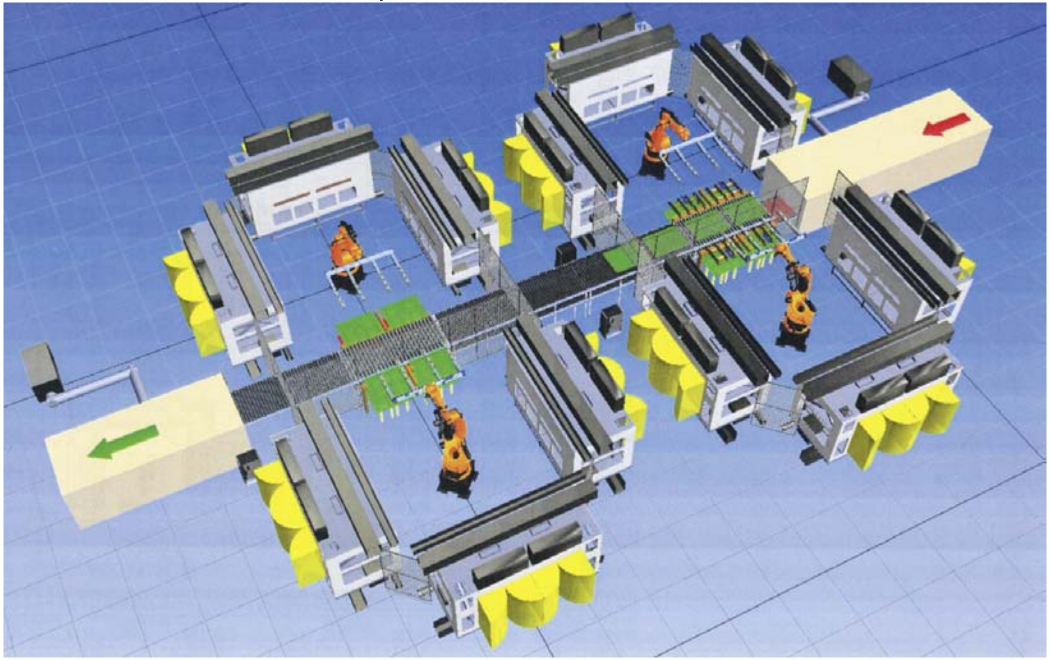
→ 2nd Generation for inline diffusion furnace with optimized cycle time

VITRUM GEN 2 - Wet Processing System for Washing, Cleaning & Etching (CdTe / CIGS)

- → New design
- → Lowest cost of ownership on the market
- → High availability (uptime > 98%)
- → New optimized design
- → Better accessibility
- → Small footprint
- → High market demand

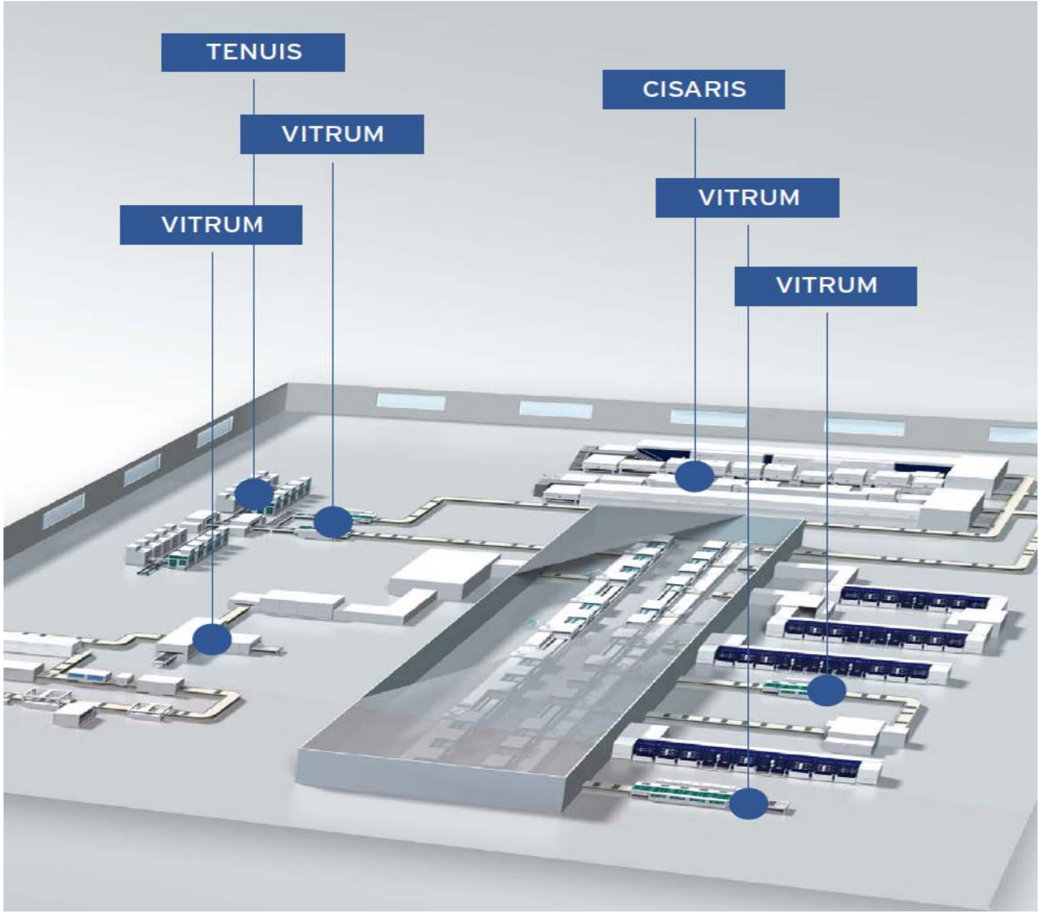
TENUIS GEN 2 for Deposition of Buffer Layer

- → Market leader with installed system (market share 70-80 %)
- → Patented process know how for deposition
- → Production capacity 60 MW, with modular concept to increase throughput up to 180 MW and 500 MW
- → Low chemical consumption on the market (2.5 million EUR per year economics by chemical reduction)



Thin Film - CIS/CIGS Manufacturing Process

→ SINGULUS covers the main process steps of CIS/CIGS manufacturing



Well Positioned for the Future

Optical Disc

→ Excellent products with outstanding technology
→ Only one-stop supplier and No. 1 for Blu-ray equipment globally
→ Increasing sales of Blu-ray machines – 40 - 50 machines for 2011
→ Strong growth for Blu-ray over next years
→ Production know-how for the coming market of rewritable/recordable Blu-ray (BD-RE/BD-R)
→ Set for growth and good profitability

Solar

→ Well positioned in the growing solar market
→ SINGULUS AR coating technology for new high performance Si solar cells
→ Successful market introduction of selenization furnace with orders of about 50 million €
→ New wet processing systems introduced 2011 with first orders
→ Selling complete systems
→ Growing market share in thin-film solar
→ Solar segment expected to break-even in 2011

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This presentation contains forward-looking statements based on current expectations, assumptions and forecasts of the executive board and on currently available information. Various known and unknown risks, unpredictable developments, changes in the economic and political environment and other presently not yet identifiable effects could result in the fact that the actual future results, financial situation or the outlook for the company differ from the estimates given here. We are not obligated to update the forward-looking statements made in this presentation unless there is a legal obligation.