

# PHILIPS

Sustaining profitable growth  
Business focus and update

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President and Chief Executive Officer

Philips Semiconductors

Financial Analysts Day 2004

# What we mean by sustaining profitable growth



## Sustaining profitable growth

- Focus on the Connected Consumer
- 2004 Progress report
- Sustaining growth: key strategic initiatives
  - Nexperia
  - Capital efficient manufacturing
  - Technology leadership
- Market outlook
- Summary



## Major changes in the consumer market place

### Multiple functions per device

- Cell phone + camera + FM radio
- TV + internet browser
- Audio broadcast + MP3



## Major changes in the consumer market place

### From stand alone to interconnected devices

- Wireless LAN
- NFC, Bluetooth



## Major changes in the consumer market place From broadcast to webcast

- Internet enabled devices



## This leads to the Connected Consumer

The end-user and the applications he / she wants to use for entertainment, communication and information access and processing only experiencing the benefits of technology without the hassle

## Our vision

A world where everyone can always connect to information, entertainment and services

- We make solutions for the Connected Consumer that are Designed around you, Easy to experience and Advanced
- We deliver on our recently launched Philips brand promise “sense and simplicity”






**PHILIPS**  
sense and simplicity



# Connected Consumer is now

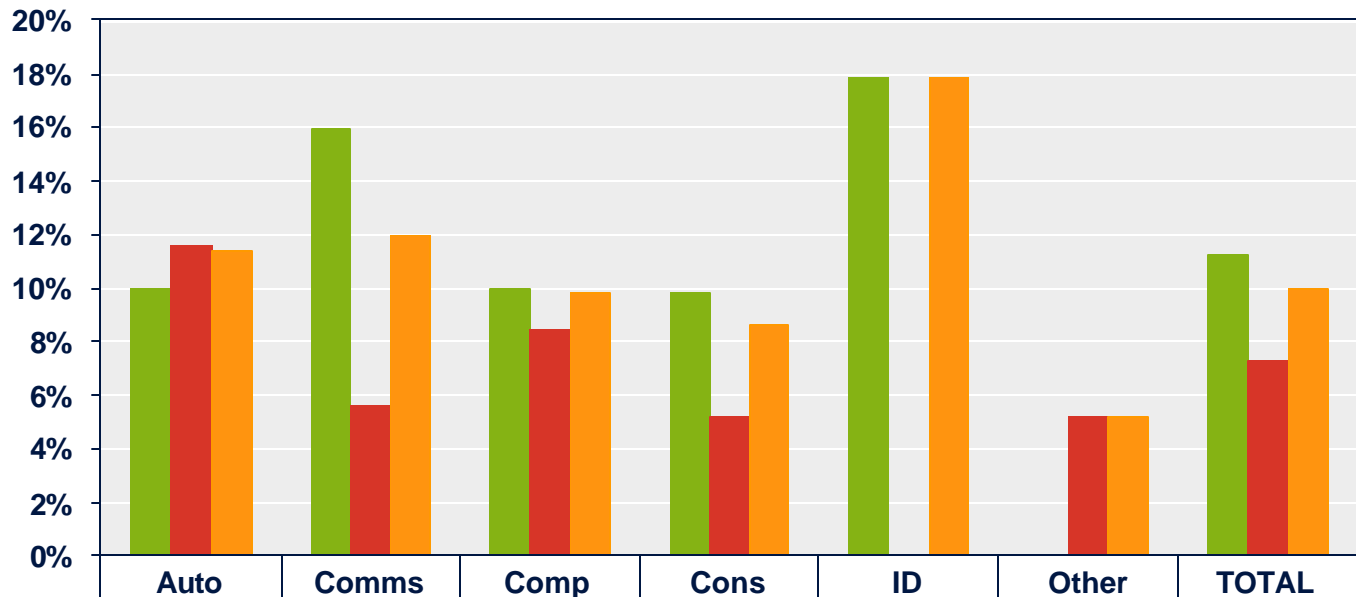


# The Connected Consumer in market terms

Communication	Consumer	Automotive	Computing	Identification
				
<ul style="list-style-type: none"> <li>• Mobile handsets</li> <li>• LAN/PAN</li> <li>• Traditional telecom</li> </ul>	<ul style="list-style-type: none"> <li>• TV &amp; STB</li> <li>• Home AV</li> <li>• Portable CE</li> <li>• Games</li> <li>• Home gateway</li> </ul>	<ul style="list-style-type: none"> <li>• Car Infotainment</li> <li>• Car Networking</li> </ul>	<ul style="list-style-type: none"> <li>• Displays</li> <li>• Handheld</li> <li>• PC</li> <li>• PC Peripherals</li> </ul>	<ul style="list-style-type: none"> <li>• Chip cards</li> <li>• Memory cards</li> <li>• RFID</li> <li>• Other ID</li> </ul>

# Connected Consumer segment outgrows total semiconductors market

Market growth by segment CAGR 2003 - 2007 (%), US\$ based



	Auto	Comms	Comp	Cons	ID	Other	TOTAL
Connected Consumer	10.0%	15.9%	10.0%	9.8%	17.8%		11.2%
Other applications	11.6%	5.6%	8.4%	5.2%		5.2%	7.3%
Total Market	11.4%	11.9%	9.8%	8.6%	17.8%	5.2%	10.0%

# Philips Semiconductors

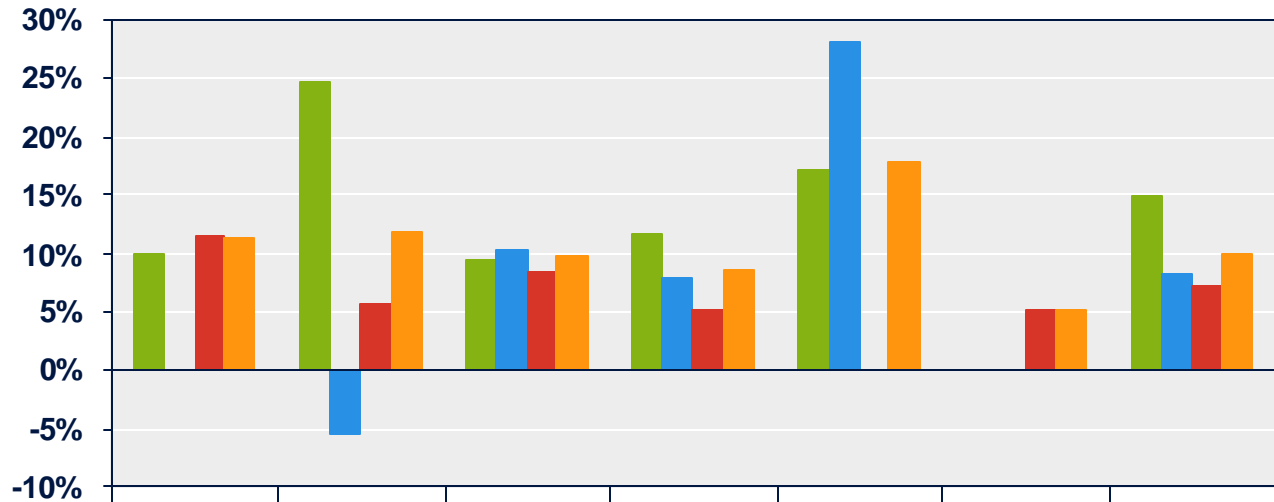
## A leading Connected Consumer company

- Top-10 supplier with revenues of around 5.2 B € in 2003 (incl. MDS)
- Focus on semiconductor solutions for Connected Consumer applications
- 36,000 employees
- More than 6000 engineers of which more than 1200 are software engineers
- Global organization, sales force delivering to 60 countries, and 20 manufacturing sites



# We serve the fastest growing segments in Connected Consumer

Market growth by segment CAGR 2003 - 2007 (%), US\$ based



	Auto	Comms	Comp	Cons	ID	Other	TOTAL
■ Conn. Cons. - served	10.0%	24.8%	9.4%	11.7%	17.1%		14.9%
■ Conn. Cons. - not served		-5.4%	10.3%	7.9%	28.1%		8.2%
■ Other applications	11.6%	5.6%	8.4%	5.2%		5.2%	7.3%
■ Total Market	11.4%	11.9%	9.8%	8.6%	17.8%	5.2%	10.0%

## Strong customer base

Communication	Consumer	Automotive	Computing	Identification
				
<p><b>NOKIA</b></p> <p><b>SAMSUNG</b> ELECTRONICS</p> <p><b>SIEMENS</b> mobile</p> <p>Sony Ericsson</p> <p><b>LG.PHILIPS</b> Displays</p> <p><b>MOTOROLA</b></p> <p><b>Cellon</b></p> <p>Vtech</p> <p><b>ALCATEL</b></p> <p><b>hp</b> invent</p> <p><b>BIRD</b></p>	<p><b>PHILIPS</b></p> <p><b>LG Electronics Inc.</b></p> <p><b>SONY</b></p> <p><b>SAMSUNG</b> ELECTRONICS</p> <p><b>TCL</b></p> <p><b>National/Panasonic</b></p> <p>Mitsubishi Electric</p> <p><b>LG.PHILIPS</b> Displays</p>	<p><b>SIEMENS VDO</b> AUTOMOTIVE</p> <p><b>DELPHI</b> Driving Tomorrow's Technology</p> <p><b>BOSCH</b></p> <p><b>Visteon</b></p>	<p><b>PHILIPS</b></p> <p><b>hp</b> invent</p> <p><b>BenQ</b> Enjoyment Matters</p> <p><b>intel.</b></p>	<p><b>GEMPLUS</b></p> <p><b>SIEMENS</b> mobile</p> <p><b>SAMSUNG</b> ELECTRONICS</p> <p><b>NOKIA</b></p>

### Distributors and EMS

<b>ARROW</b> ARROW ELECTRONICS, INC.	<b>WPI</b> 世平興業 WORLD PEACE INDUSTRIAL	<b>Jabil</b> CIRCUIT	<b>SOLECTRON</b> <b>FLEXTRONICS</b>	<b>SAC</b>	<b>AVNET</b> <sup>®</sup>	<b>SANMINA-SCI</b>
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## Communications

- 1 out of 7 GSM phones contains a Philips baseband chip
- 1 out of 3 3G phones contains a Philips RF chip
- Customers such as TCL & Alcatel Mobile Phones have chosen Nexperia EDGE System Solutions
- NFC to be integrated in mobile handsets of Nokia and Samsung

Digital cordless  
#1

Speaker systems  
#1

Display  
modules  
#2



# Consumer

- Nexperia home in Philips Ambilight TV and DVD recorder combination
- Samsung selects our SACD solution
- Nexperia selected by BenQ, Changhong, Skyworth, Argus Electronics, Syber and Xingqiu for DVD recording
- Leading ISVs and integrators into Nexperia Home partner program
- UHAPI gains momentum

TV  
#1

Consumer  
DVD recorders  
#2

Digital audio  
#2



<p><b>CHANGHONG</b></p>	<p><b>BenQ</b> Enjoyment Matters</p>
<p><b>SAMSUNG</b> ELECTRONICS</p>	<p><b>PHILIPS</b></p>



## Automotive

- Two thirds of all new cars have a Philips chip inside
- Of the cars produced in 2003
  - 1 out of 3 worldwide includes Philips car radio chipsets
  - 4 out of 5 in Europe include Philips CAN network devices
  - 1 out of 2 in Europe includes Philips RF Access & Immobilization



**SIEMENS VDO**  
Automotive



**BOSCH**

**DELPHI**  
Driving Tomorrow's Technology

Car  
networking  
#1

Car radio  
#1

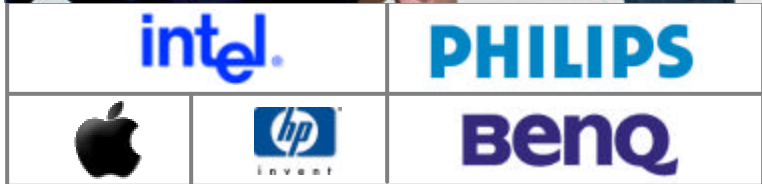
Car access  
& Immobilization  
#1

# Computing

- We have 40% market share in Display Drivers
- Philips is lead partner to Intel for PCI Express solutions
- We are gaining market share in drivers for LCD panels

PC video  
add-on cards  
#1

CRT  
monitor drivers  
#2



# Identification

- Philips and Visa showcase potential of contactless payment and connectivity
- Cities worldwide now basing public transport infrastructures on MIFARE, e.g. 70 cities in China
- MIFARE has an estimated market share of 75 to 80%
- 1 Billion RF tags have been shipped worldwide
- By 2009, half of all handsets will have NFC built into them

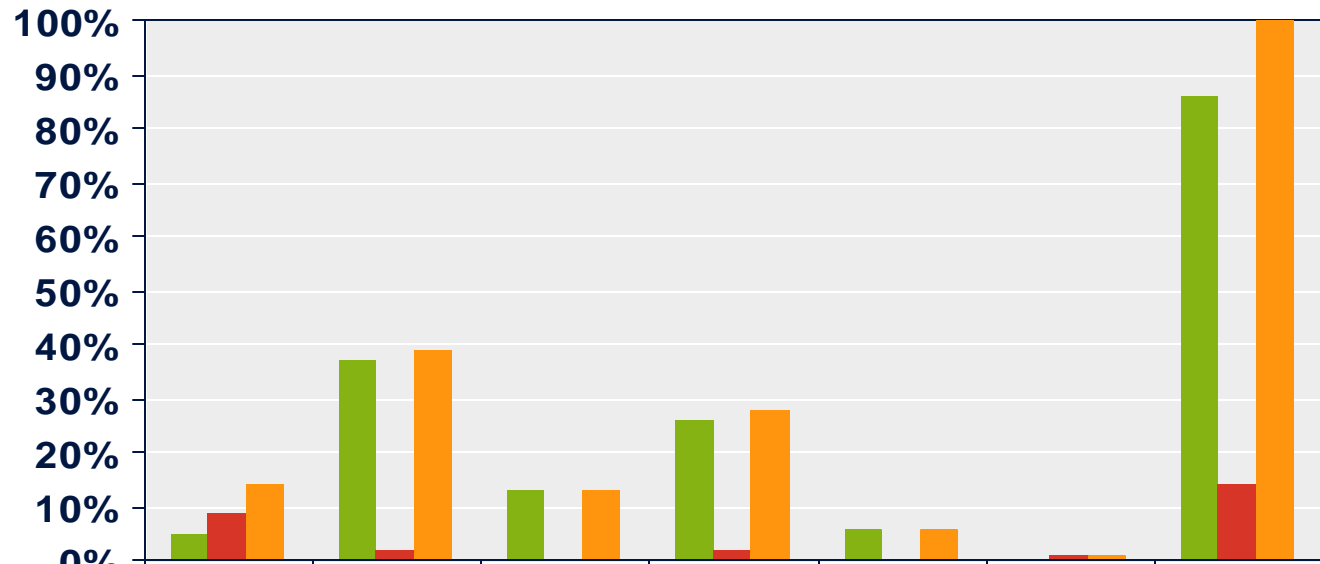
RF identification  
#1

Smart Card ICs  
#3



# Focus of sales is on Connected Consumer

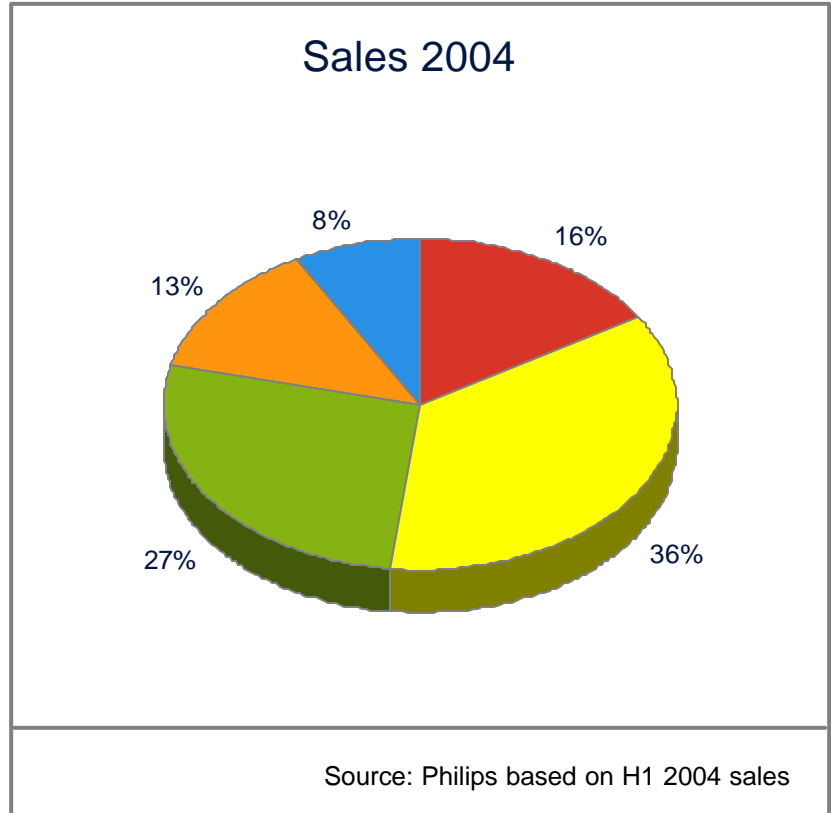
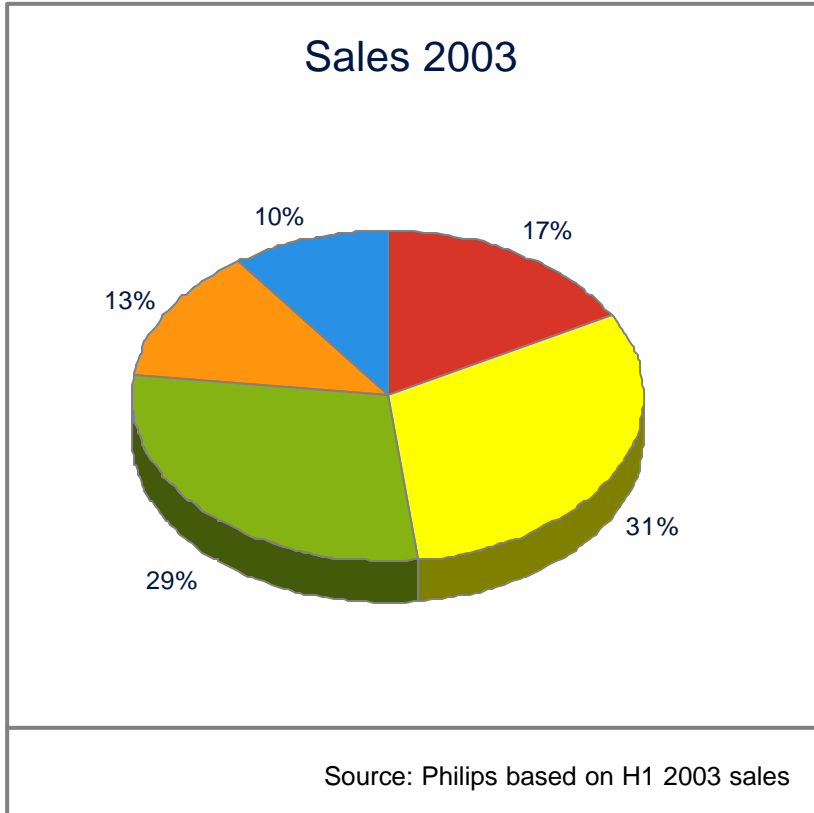
## Percentage of sales per segment



	Auto	Comms	Comp	Cons	ID	Other	TOTAL
Connected Consumer	5%	37%	13%	26%	6%	0%	86%
Other applications	9%	2%	0%	2%	0%	1%	14%
Total sales	14%	39%	13%	28%	6%	1%	100%

# Balanced sales by market segment

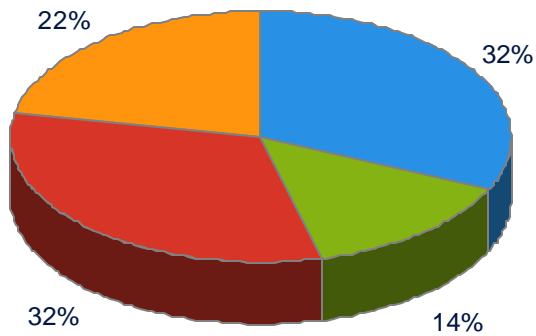
## Excluding MDS



# Balanced sales by region

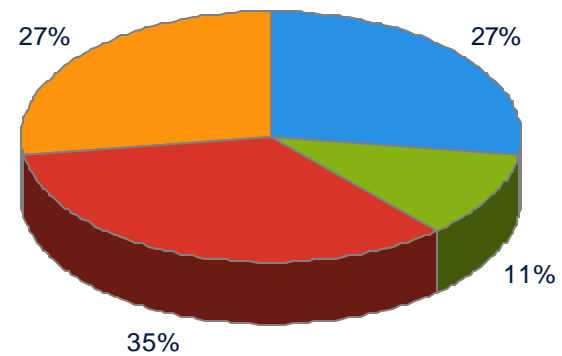
## Excluding MDS

Sales 2003



Source: Philips based on H1 2003 sales

Sales 2004



Source: Philips based on H1 2004 sales



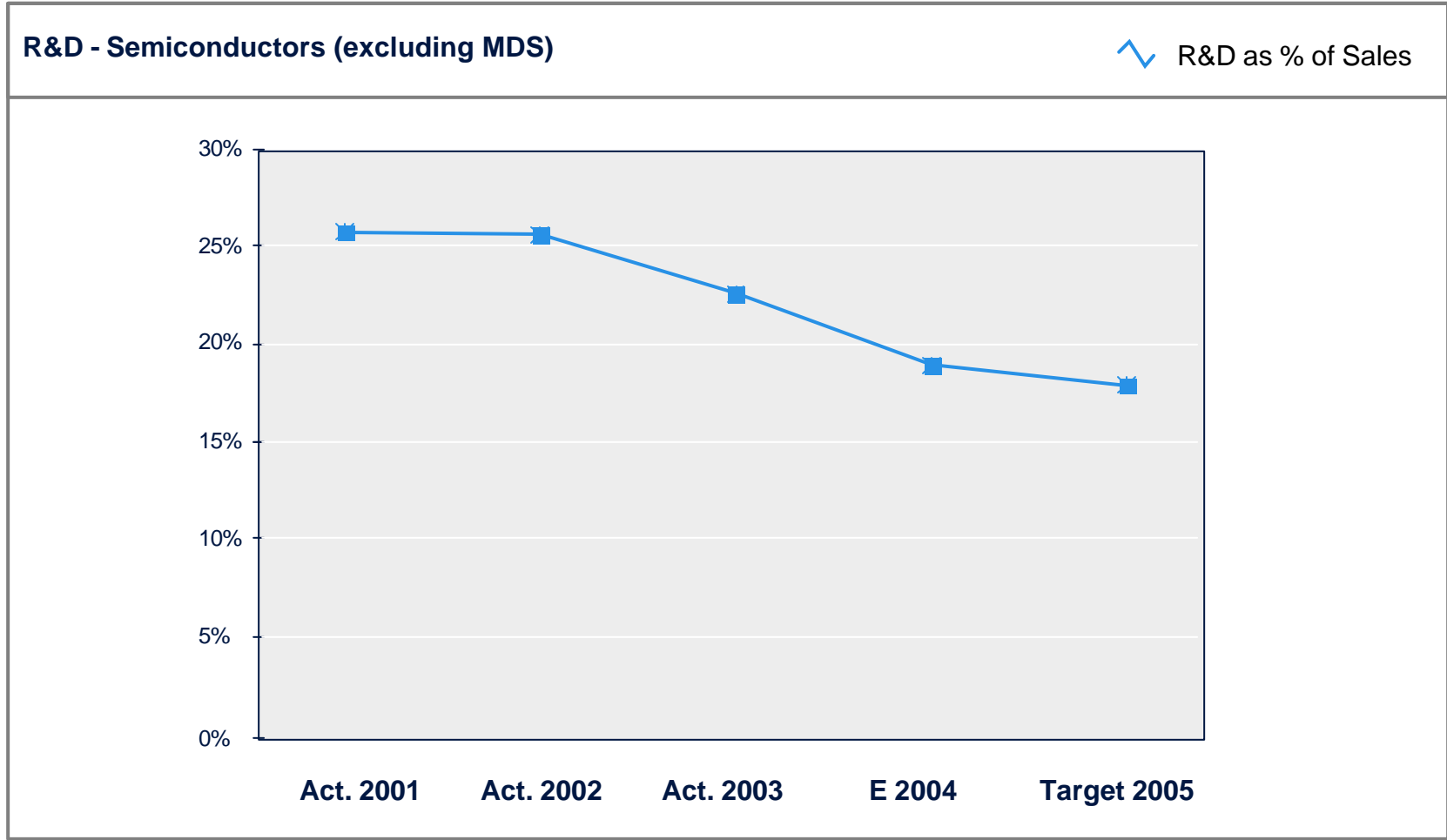


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# Focus

## Reduced R&D spending





# Focus

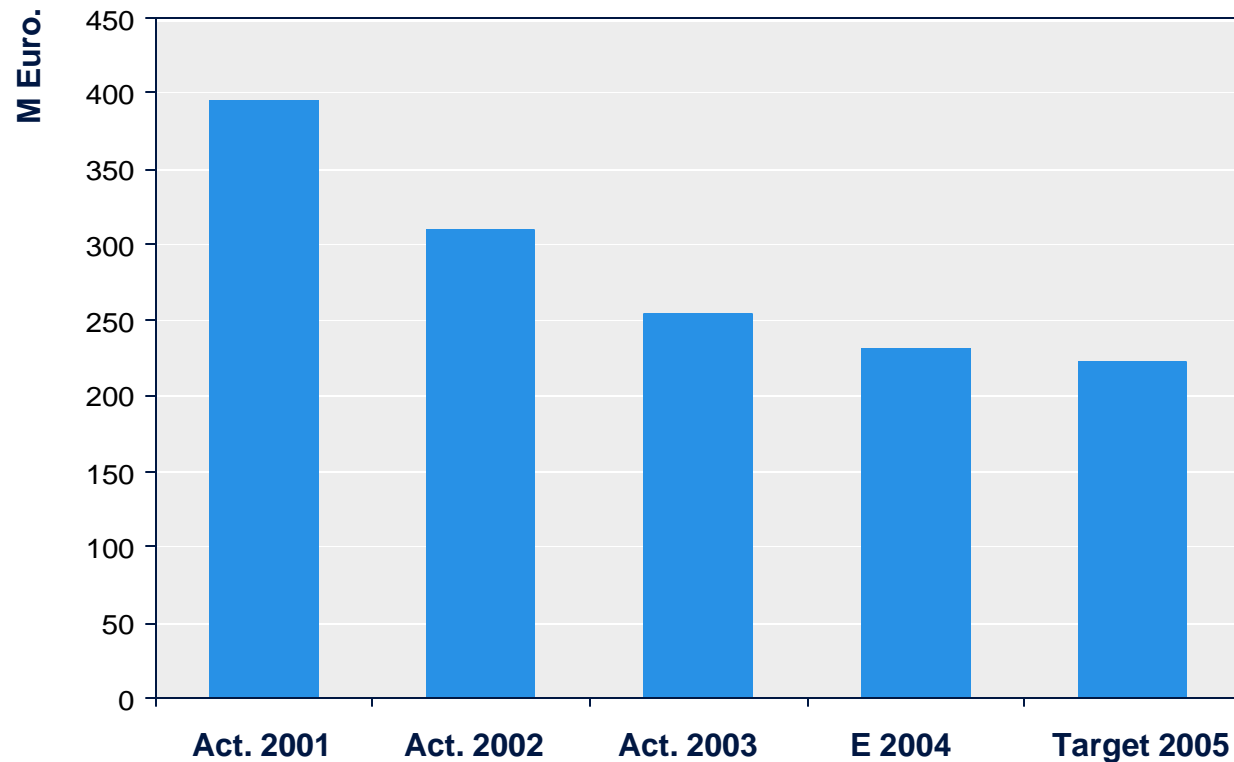
## Reduced SG&A costs



# Process improvements

## Reduced IT spending

IT Spending - Semiconductors (excluding MDS)



# Process improvement

## Customer intimacy update

- Increase business from key customers – currently from 64% to 70% of sales by end-2005
- Partner with leading customers, content and service providers
- Enhance quality of Key Account Management
- Improve Customer Loyalty Index & Vendor Rating
- Deployment of Customer Business Plan for top customers



## Sustaining profitable growth

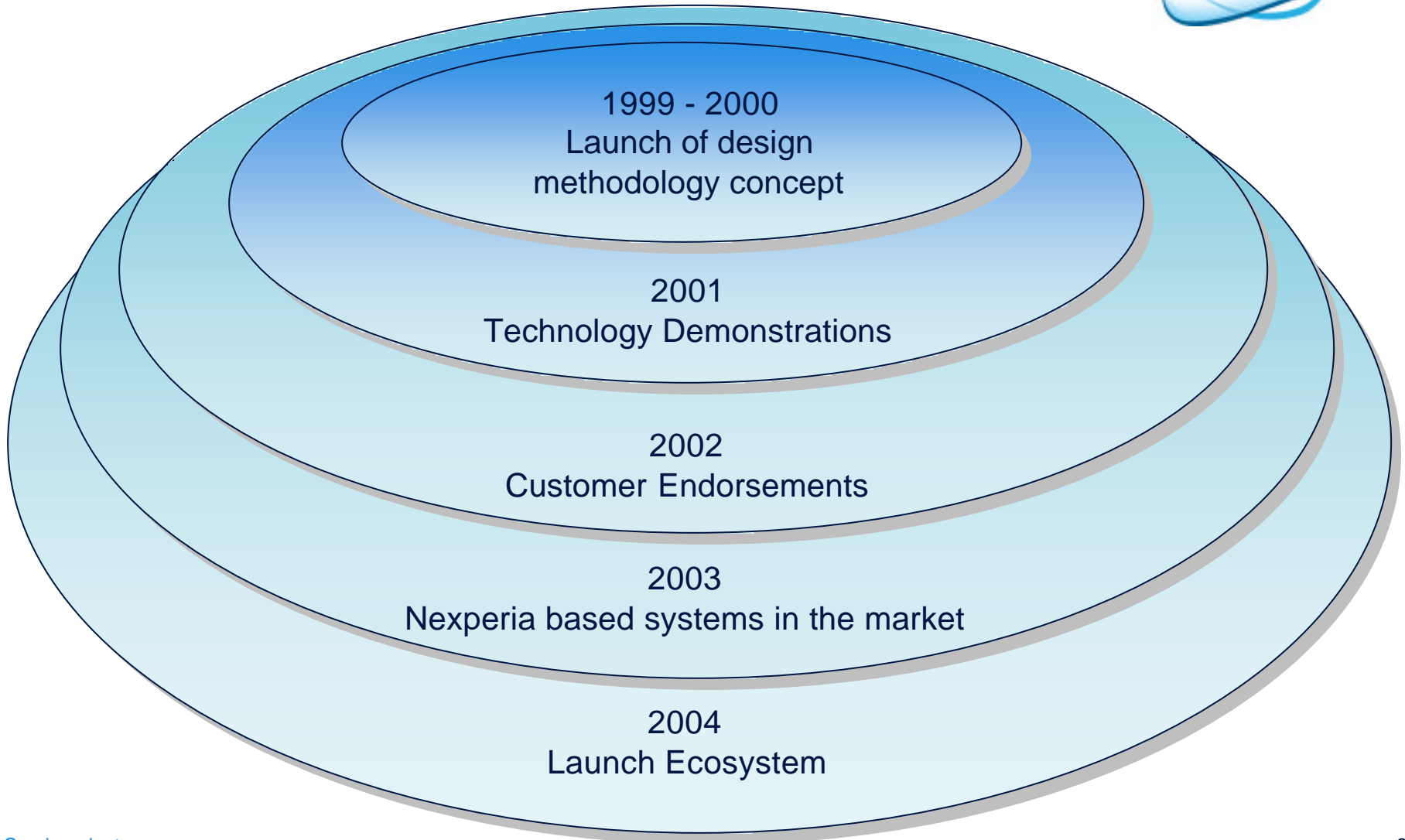
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# Nexperia™

## Making the Connected Consumer happen

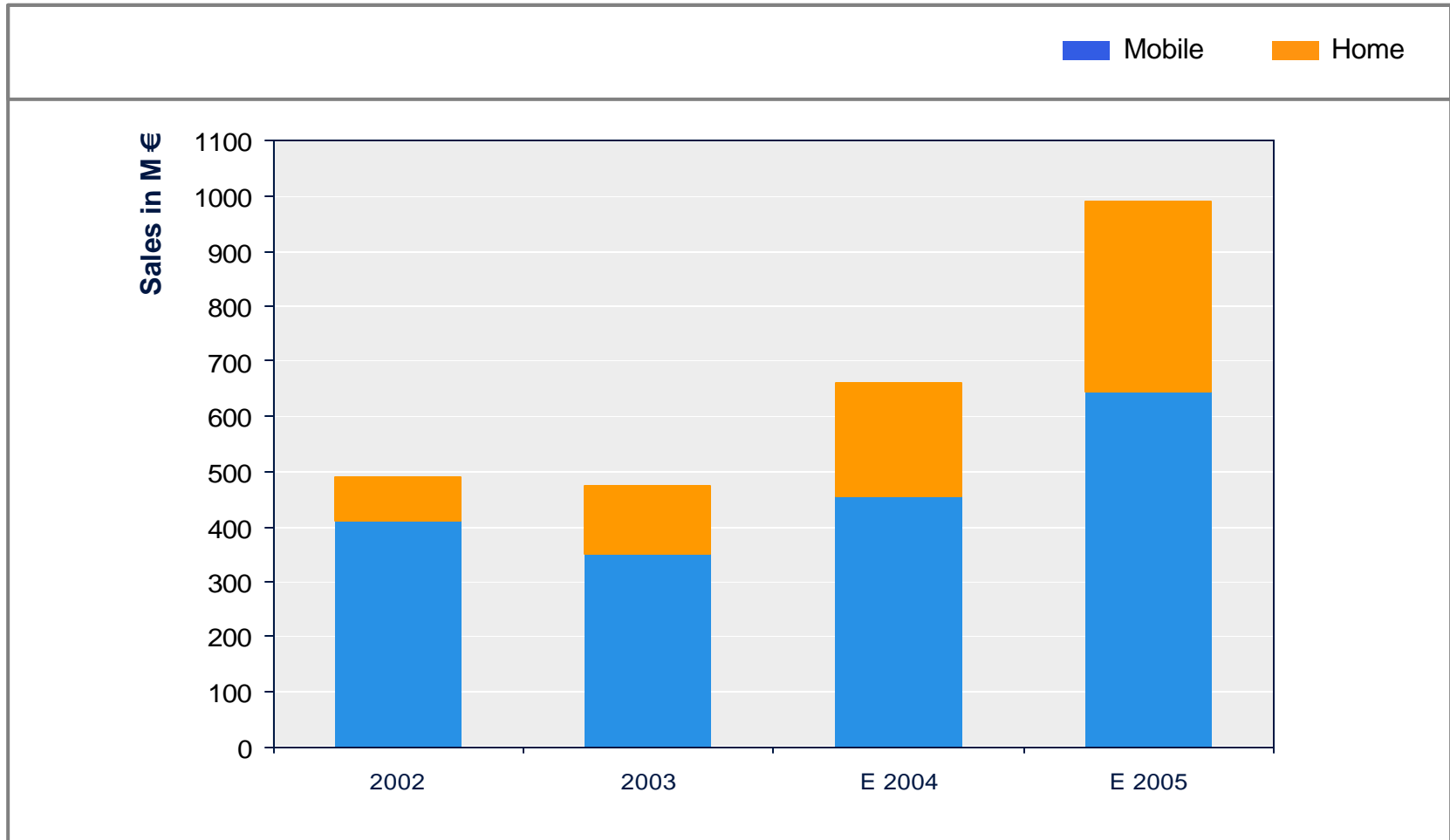
- Nexperia enables
  - Endless combinations of functions
  - Fast time-to-market
  - “Living room” prices
- **Nexperia Home** for Connected Home / Digital Home applications including
  - Digital television, home entertainment hubs
  - Media servers, DVD recorders
  - PVRs, wireless displays and media adapters
- **Nexperia Mobile** for mobile multimedia handsets, wireless PDAs and other portable wireless devices

# The Nexperia journey



# Nexperia sales

CAGR 2002 to 2005 26.4 %





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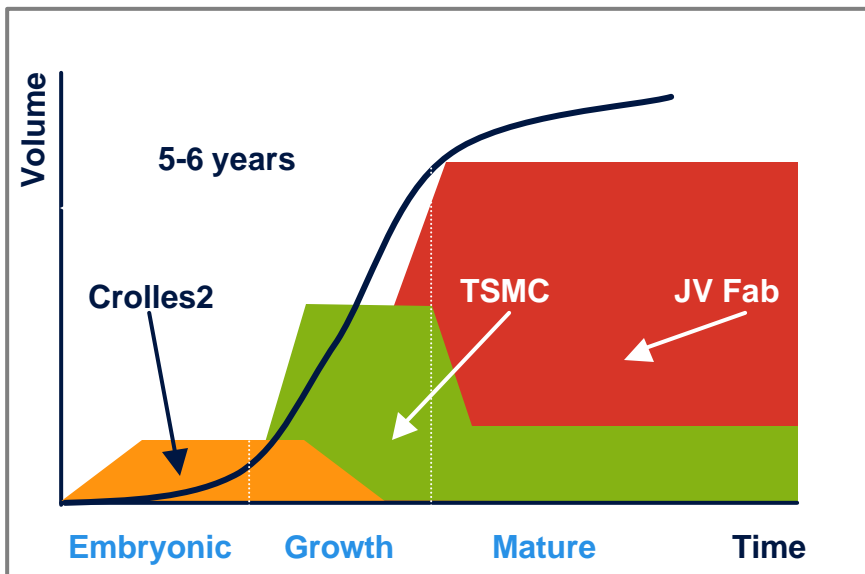


# Capital efficient manufacturing

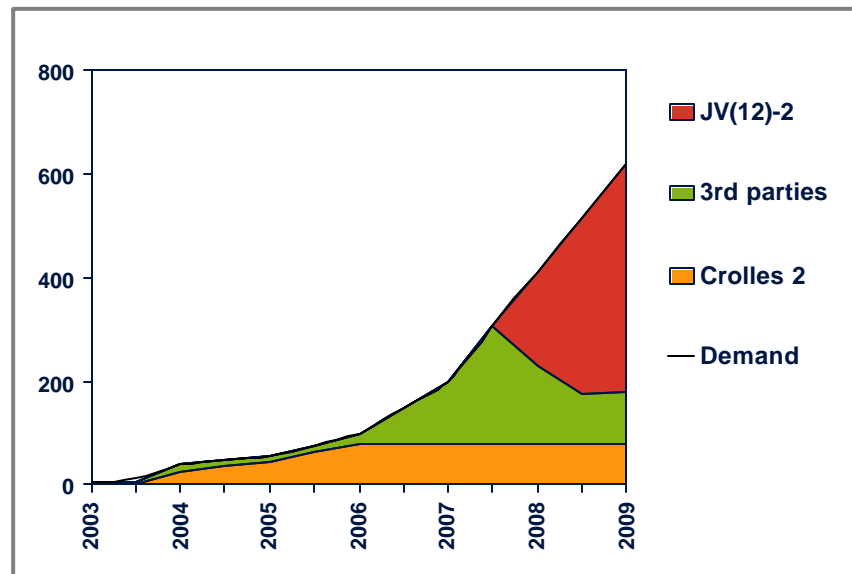
## Turning theory into practice

- R&D and pilot fab in Crolles2-Alliance
- Start of own (JV) fab delayed 4-5 years until enough wafer load
- TSMC 2<sup>nd</sup> sourcing available
- New JV for 300mm will be needed by 2007 / 2008 (Market conditions will dictate the exact timing)

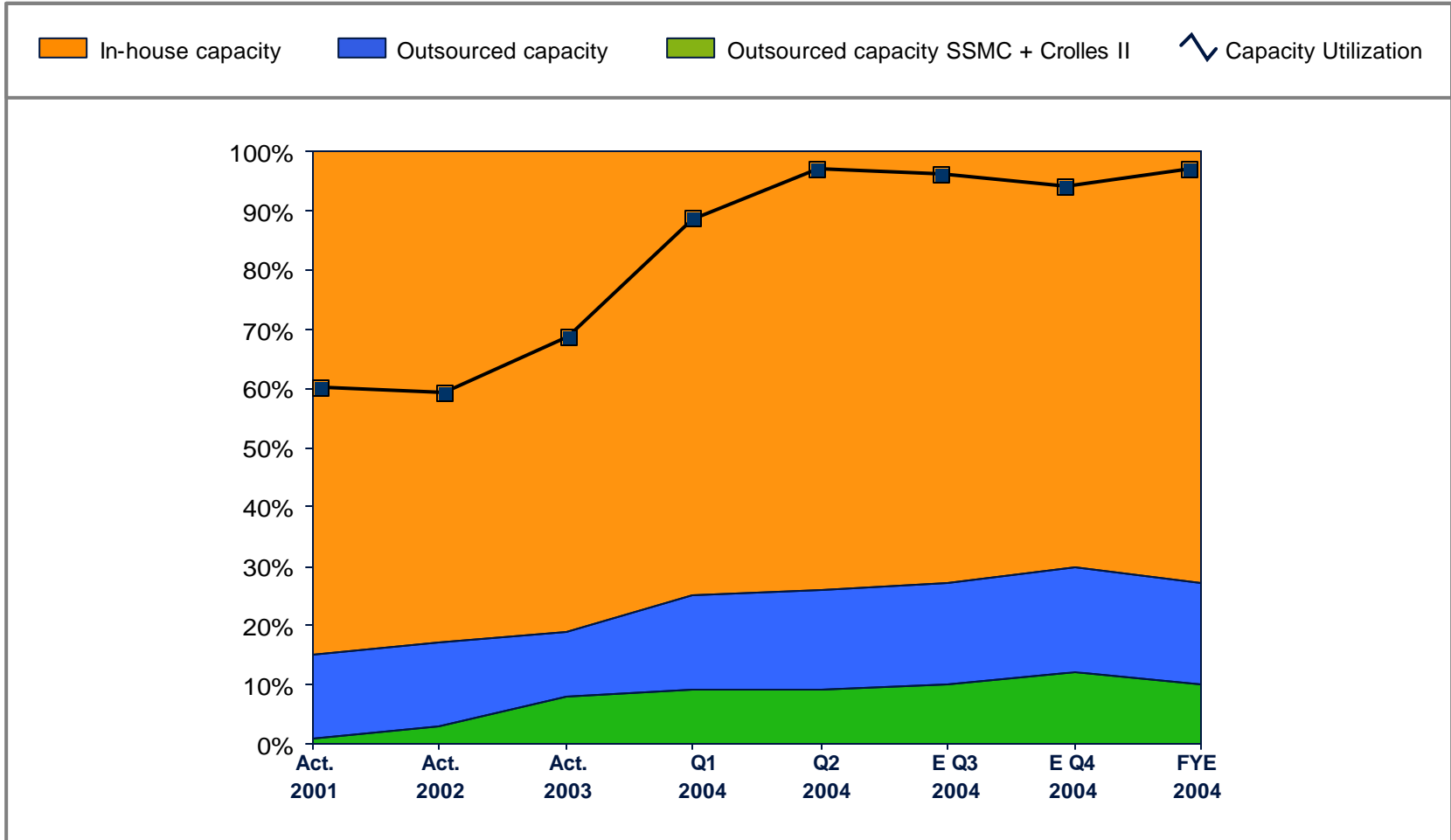
Model (2003)



Load forecast (2004)

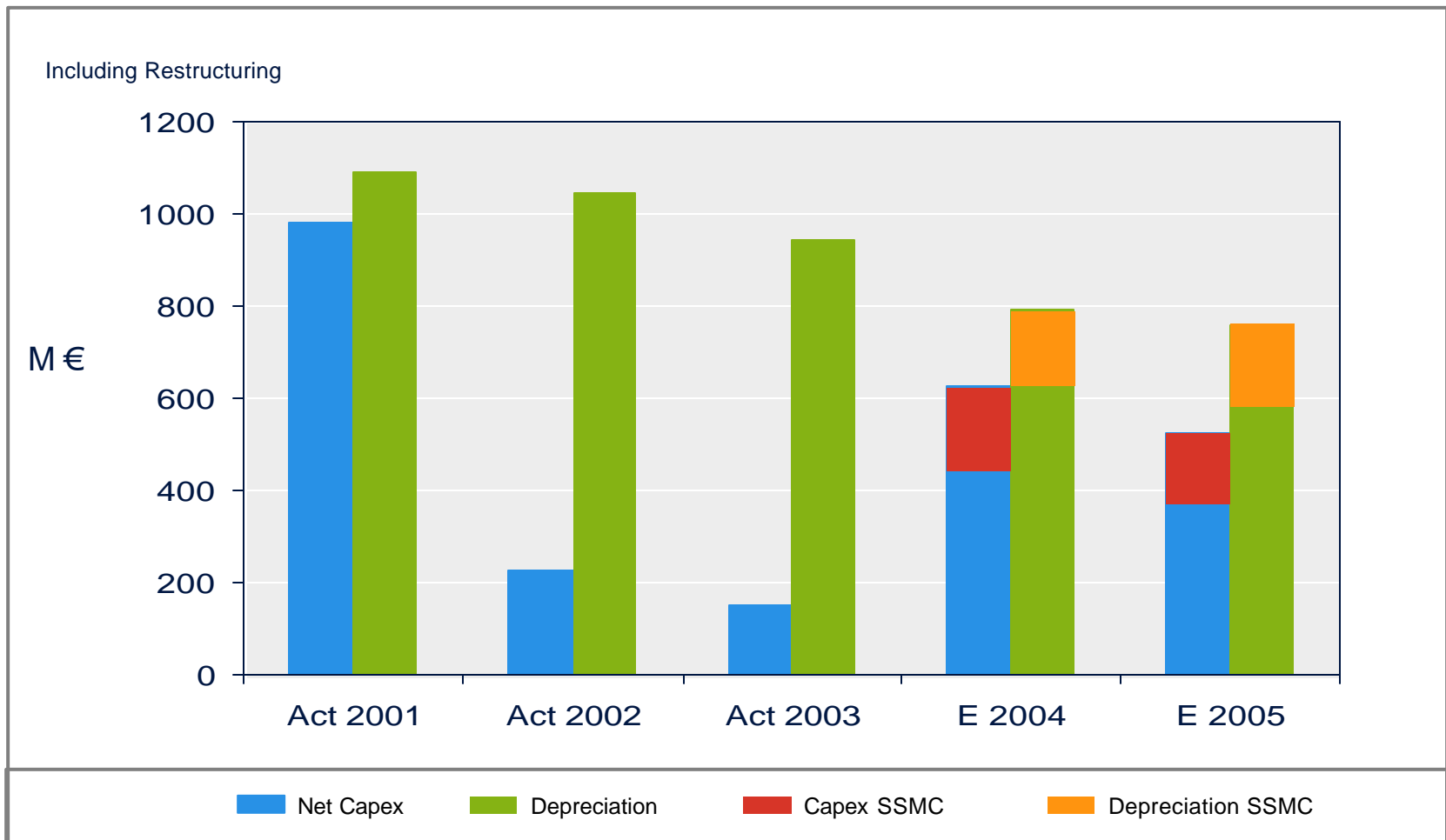


# Capacity utilization and outsourcing level



# Capital expenditure & depreciation

Excl. Crolles & MDS, incl. SSMC from 2004 onwards



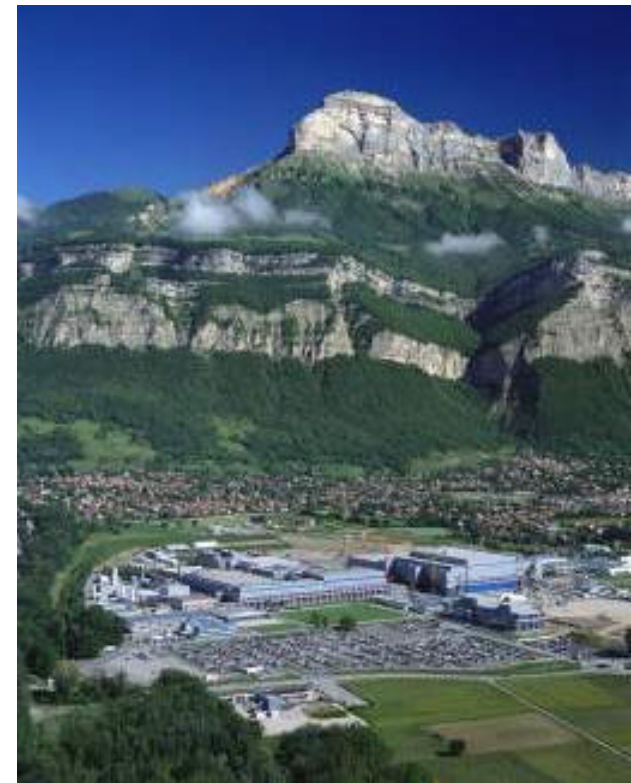


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## Crolles2: most advanced CMOS technology Delivering leading-edge processes at an affordable price

- CMOS12 products shipping in volume
- CMOS090
  - Achieved right-first-time 90nm silicon
  - Production in June 2004
- CMOS065
  - Successful test wafers in 65nm
- 45nm process in development with IMEC





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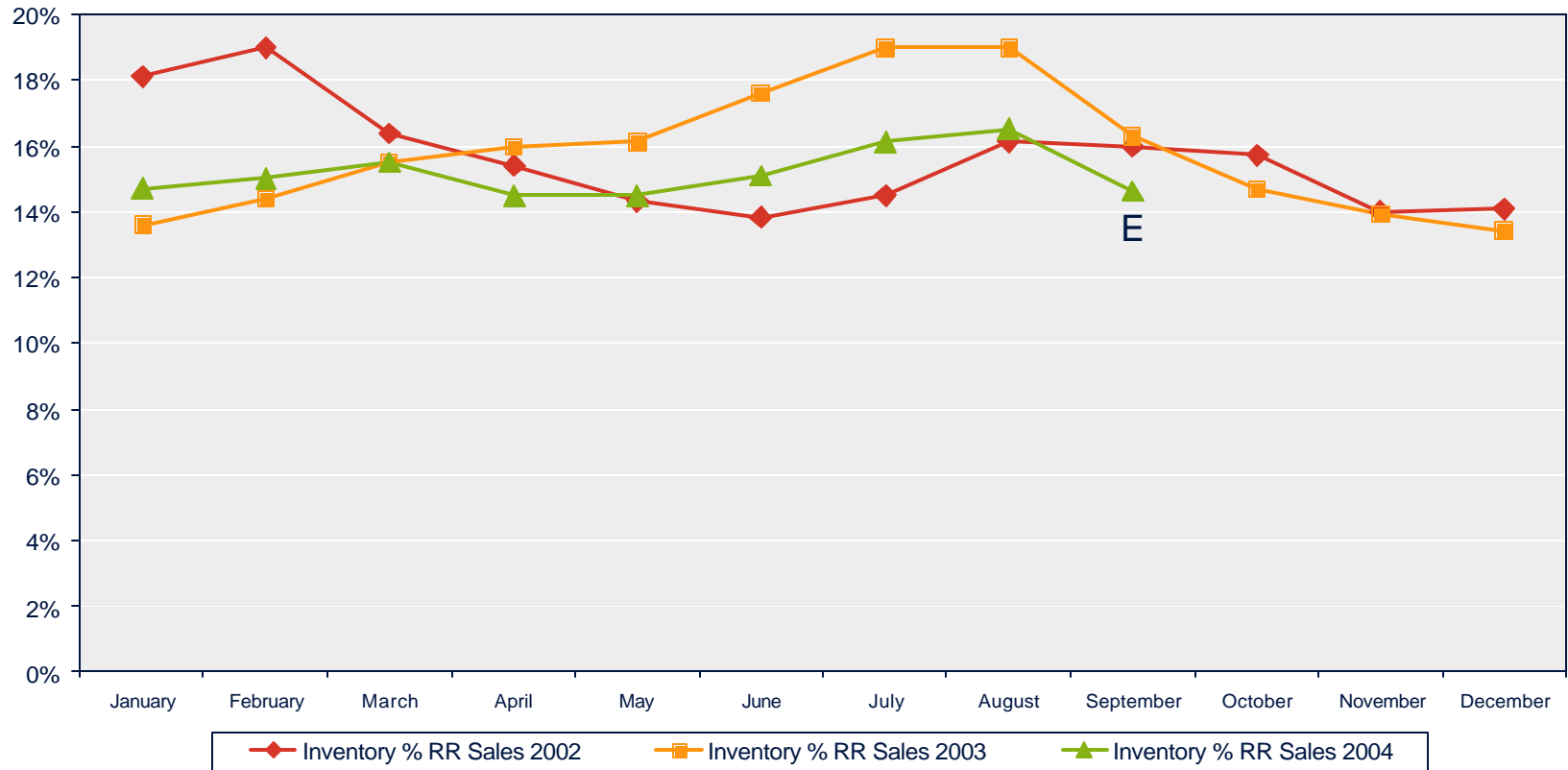
# Current semiconductors market condition

## Recent forecasts

- Our latest expectation for 2004 is + 26% market growth in US\$
- We expect single digit industry growth in 2005

# Inventories

## PD Semiconductors (excl MDS)







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# Summary

- Our focus on the Connected Consumer market gives us the opportunity to outgrow the industry
- Key strategic initiatives underpin our Connected Consumer focus
  - We partner with the industry leading customers
  - Nexperia technology gives us a competitive advantage
- Our capital efficient manufacturing strategy increases financial predictability
- Continued focus on improving business processes pays off

