

# Infineon

## Infineon On The Move

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Never stop thinking.

# Disclaimer

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Please note that while you are reviewing this information, this presentation was created as of the date listed, and reflected management views as of that date.

This presentation contains certain forward-looking statements that are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements.

Such risks and uncertainties include, but are not limited to the Risk Factors noted in the Company's Earnings Releases and the Company's filings with the Securities and Exchange Commission.

# Agenda

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**Quarterly Update & Financials**

**Automotive, Industrial & Multimarket**

**Communication**

**Memory Products**

**Outlook**

# Overview – Market Environment And Results in F3Q

## Infineon Group

- **Stable revenues** compared to F2Q w/ increased memory sales
- **Significant ASP-decline** in memory market of approx. 30%
- **Rapid decline of market demand** in security and chip card IC area
- **EBIT loss increased** to EUR234mn incl. EUR81mn one-off charges

### AIM

- Slightly lower revenues due to higher than expected pricing pressure in security and chip card business
- Sales to automotive & industrial industry increased slightly
- Lower EBIT due to very strong pricing pressure at chip card ICs

### COM

- Revenues decreased slightly due to pricing pressure and further decline in demand from baseband customers
- Significant improvement of EBIT because of reduction of idle capacity costs, lower inventory charges, and lower R&D costs

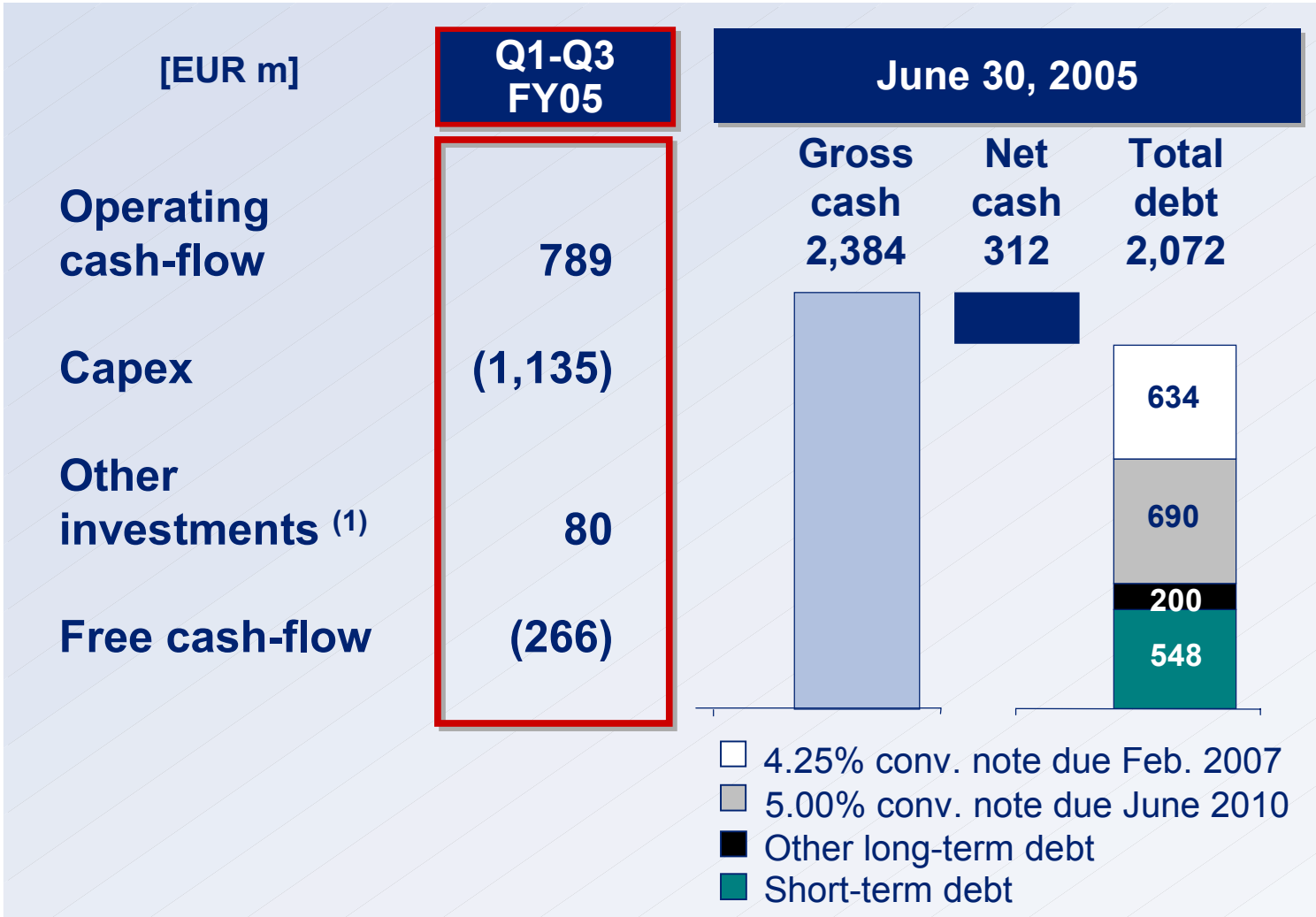
### MP

- Higher revenues and strong FLC reduction due to 45% bit-shipment growth based on bit-production growth of ~15% and inventory decrease by ~2 weeks
- EBIT decline due to ASP decline (see above) and ramp-up costs for 300mm fab in Richmond/VA

# Results For Q3 FY05 Vs. Q2 FY05

[EUR m]	Q2 FY05	Q3 FY05	Change
<b>Net sales</b> Growth	1,606	1,606	---
<b>Gross margin</b>	27%	16%	
<b>R&amp;D</b> in % of sales	354 22%	320 20%	-34
<b>SG&amp;A</b> in % of sales	164 10%	157 10%	-7
<b>EBIT</b>	-117	-234	-117
EBIT excl. reorganization charges in % of sales	-43 3%	-153 10%	-110

# Maintaining A Solid Financial Cash Position



(1) Excluding purchase/sale of marketable securities

# Recent Business Highlights – AIM and COM

## Automotive, Industrial & Multimarket

- Increased market share in car electronics from 8.7% in CY03 to 9.1% in CY04 (Source: Strategy Analytics, June 2005)
- IFX to supply secure chips, package & more for German e-Passport
- Agreement with a leading HDD manufacturer to develop a product for fast-growing mobile applications market

## Communication

- MP-E GPRS/EDGE → one of smallest multimedia phone platform incl. all HW/SW components required for high-performance and advanced multimedia functionality; true 3-chip solution consists of multimedia baseband, power management unit and CMOS RF chip
- Panasonic/PMC → uses MP1-G multimedia platform now for GSM/GPRS phones; 3-band functionality and camera support, polyphonic-ring tones, color displays and Java capability
- SMARTi 3G → world's first CMOS RF transceiver chip for UMTS applications; single-chip for 6-band solution makes UMTS phones usable worldwide; various design wins already
- VINAX → industry's first fully standard-compliant VDSL2 end-to-end solution; established leading position wrt to Triple Play services

# Recent Business Highlights – MP and Corporate

## Memory Products

- Start of commercial production based on 90nm DRAM trench technology; products available: 512M DDR and 512M DDR2
- Increased share of specialty DRAMs (Graphic and Mobile RAM)
- Sampling started of customized 8GB (Gigabyte) DDR2-400 Tall registered DIMMs based on dual-die technology
- First to provide DDR3 devices with full interface functionality to major PC enabler
- Only company to offer complete in-house solution for next generation server modules (FB-DIMMs), including DRAM module, AMB-Chip and heat spreader

## Continuing IFX's commitment to restructuring

- Corporate Research functions to be integrated in Business Groups
- eupec GmbH to be integrated into IFX AG but maintaining brand
- Wearable electronics activities spun off by MBO
- RFID software solution activities spun off by MBO



# Recent Management Changes

## Mr. Kin Wah Loh – Now Head of Memory Products



- **Member of Management Board** of IFX AG since 2004
- **President** of Infineon Technologies **Asia Pacific** 1999-2004
- **General Manager** of various production sites of Siemens Semi
- **25 years of experience** in semiconductor and manufacturing
- **Engineering and Business** degrees

## Mr. Hermann Eul – Now Head of Communication



- **New Deputy Member of Management Board** (July 28<sup>th</sup>, 2005)
- **Group VP and GM** of Communication Business Group since 2004
- **Professor for RF-Technology and Radio-Systems** at University of Hanover/Germany
- **GM** of various Business Units at **IFX AG** and **Siemens AG**
- **18 years of experience** in R&D and management functions in communications and RF technologies
- **PhD in Electrical Engineering**

# Infineon's Business Groups

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# Automotive, Industrial & Multimarkets: #2 in Car Electronics, #1 in Power ICs, #1 in Card ICs

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**AIM**



Microcontroller  
Sense & Control  
Power Management & Drives  
Discrete Semiconductors  
ASIC & Design Solutions

Automotive Power  
Chip Card & Security ICs

**COM**



**Communication**

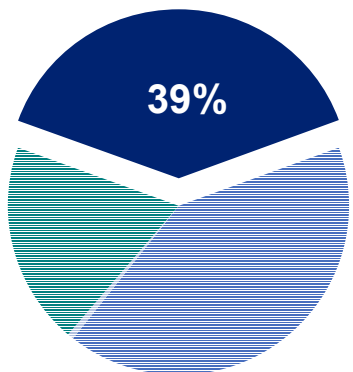
**MP**



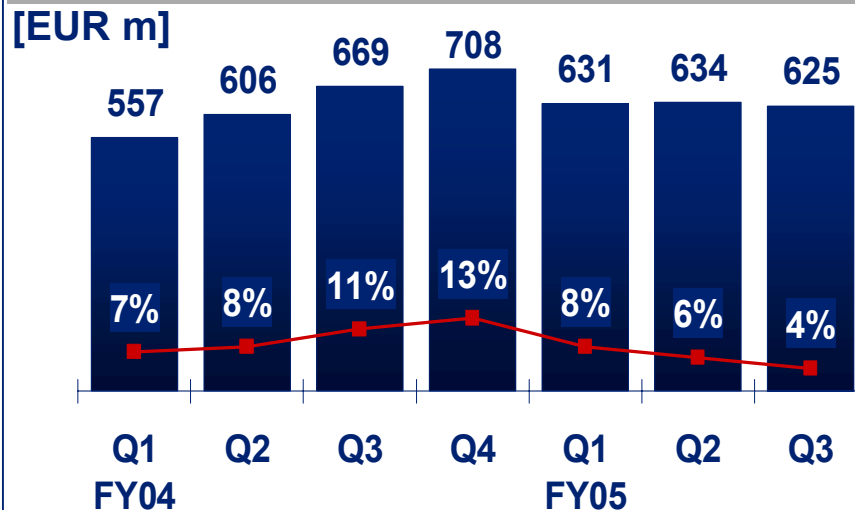
**Memory Products**

# AIM: Revenue And EBIT Development

## Revenue share Q3 FY05



## Revenues and EBIT margin

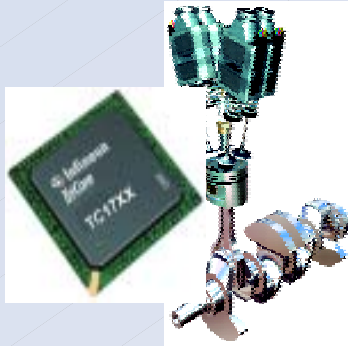


### Automotive, Industrial and Multimarket BG's outlook for Q4 FY05:

- Estimating revenues and EBIT to remain stable sequentially
- Awaiting benefits from seasonal strength in Auto and Industrial businesses
- Continued price pressure at security & chip card ICs
- Continued focus on productivity improvements
- Planned phase-out of production in Munich and start-up costs for new site in Malaysia to negatively impact EBIT through end of CY 2006

# Maintaining Profitability in Automotive & Power Business With Complete Coverage of Customers' Needs

## Defining automotive intelligence



### Applications:

- Powertrain
- Safety management
- Body & convenience
- Infotainment

### Products:

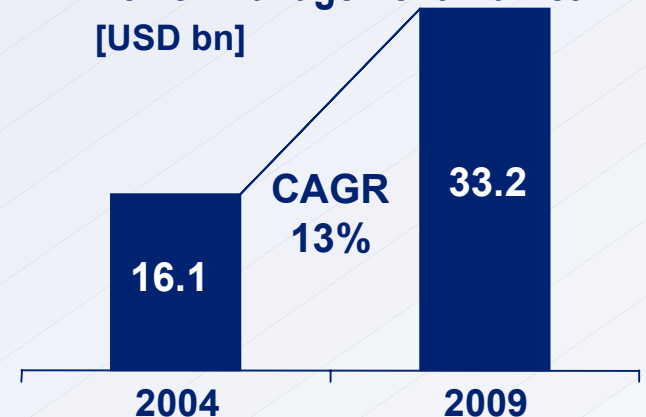
- Sensors
- Microcontrollers
- Power devices
- Wireless chipsets
- Silicon discretes

## Converting and controlling power

### Key trends for power management

- DC/DC
  - Cost /footprint per ampere
  - Solution business in PC motherboard and notebook
- AC/DC
  - Miniaturization of power supply
  - Higher switching frequencies

### Power management market [USD bn]



# Keeping Leadership in Security and Chip Card ICs Despite Difficult Market Environment

Addressing broad application base with approx. 40% market share



## Ongoing productivity measures

- Volume roll-out of 130nm process
- Focus on new 32bit emerging applications
- Accelerated shift to MicroSlim technology
- Shift to Flip-Chip-on-Substrate (FCOS) packing

# Communication:

## Driving Convergence of Technologies and Applications

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AIM



**Automotive, Industrial  
& Multimarket**

COM



**Broadband Access – Access and CPE  
RF Connectivity – RF Engine, RF Power,  
Tuner System, RF Custom, SR Wireless  
Mobile Phones – Entry Phone, Feature  
Phone, CP Siemens, Software**

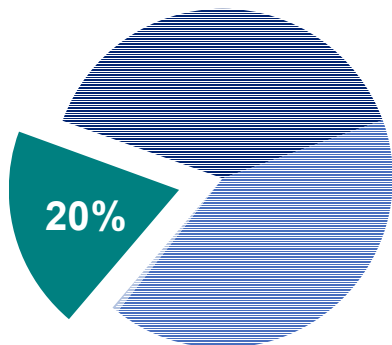
MP



**Memory Products**

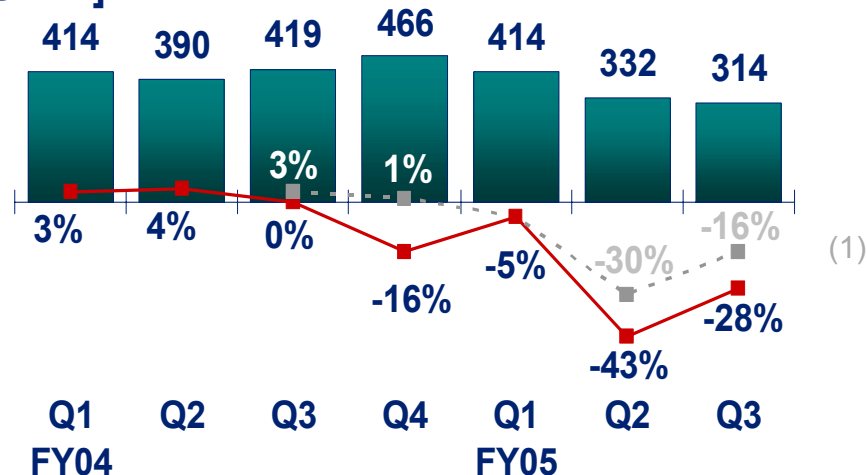
# COM: Revenue And EBIT Development

## Revenue share Q3 FY05



## Revenues and EBIT margin

[EUR m]



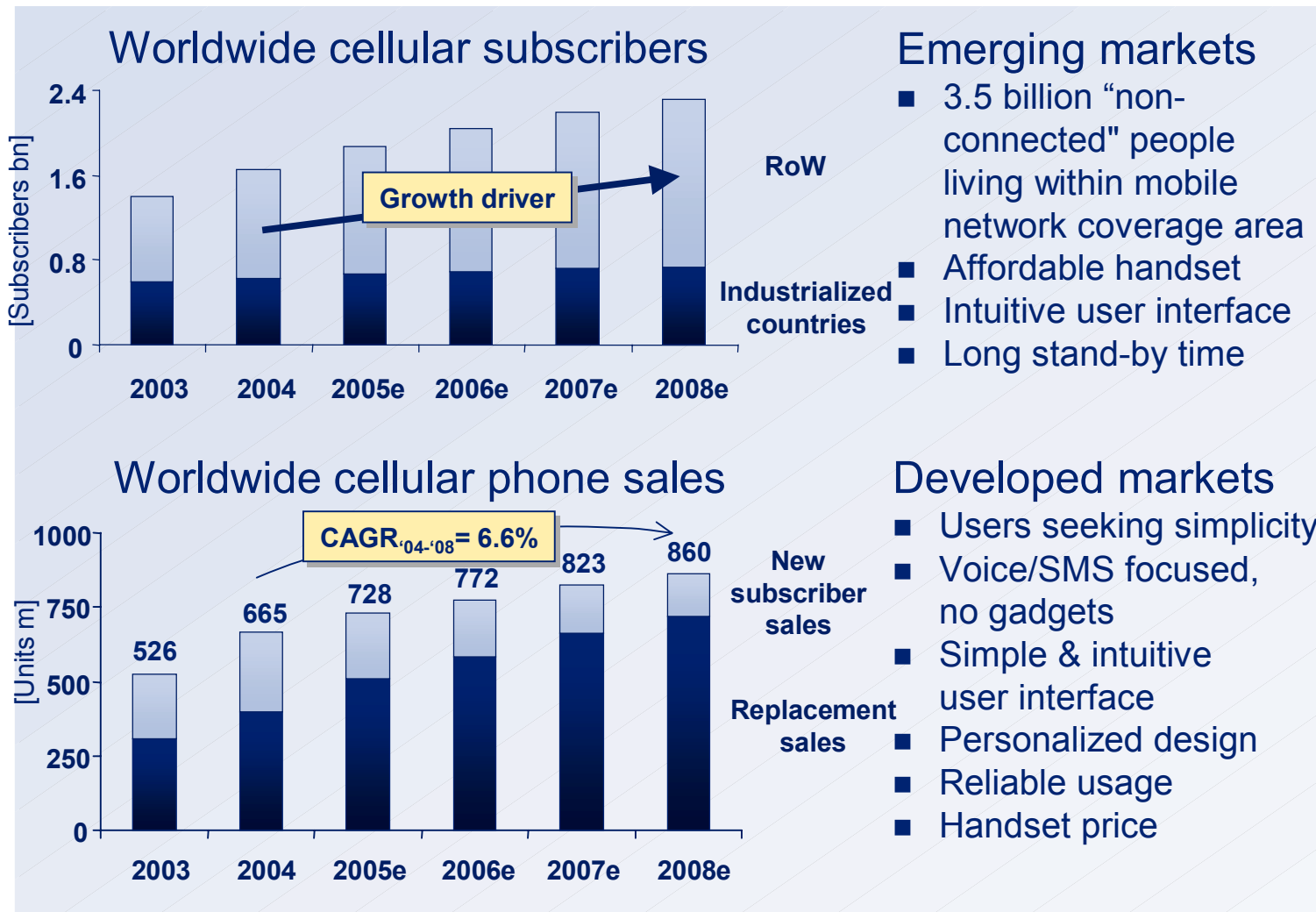
### Communication BG's outlook for Q4 FY05:

- Expecting revenues to remain stable or increase slightly sequentially
- Anticipating EBIT to remain stable or improve slightly compared to 3<sup>rd</sup> quarter EBIT (excl. impairment charges)
- Awaiting wireline business to be profitable by end of CY 2005

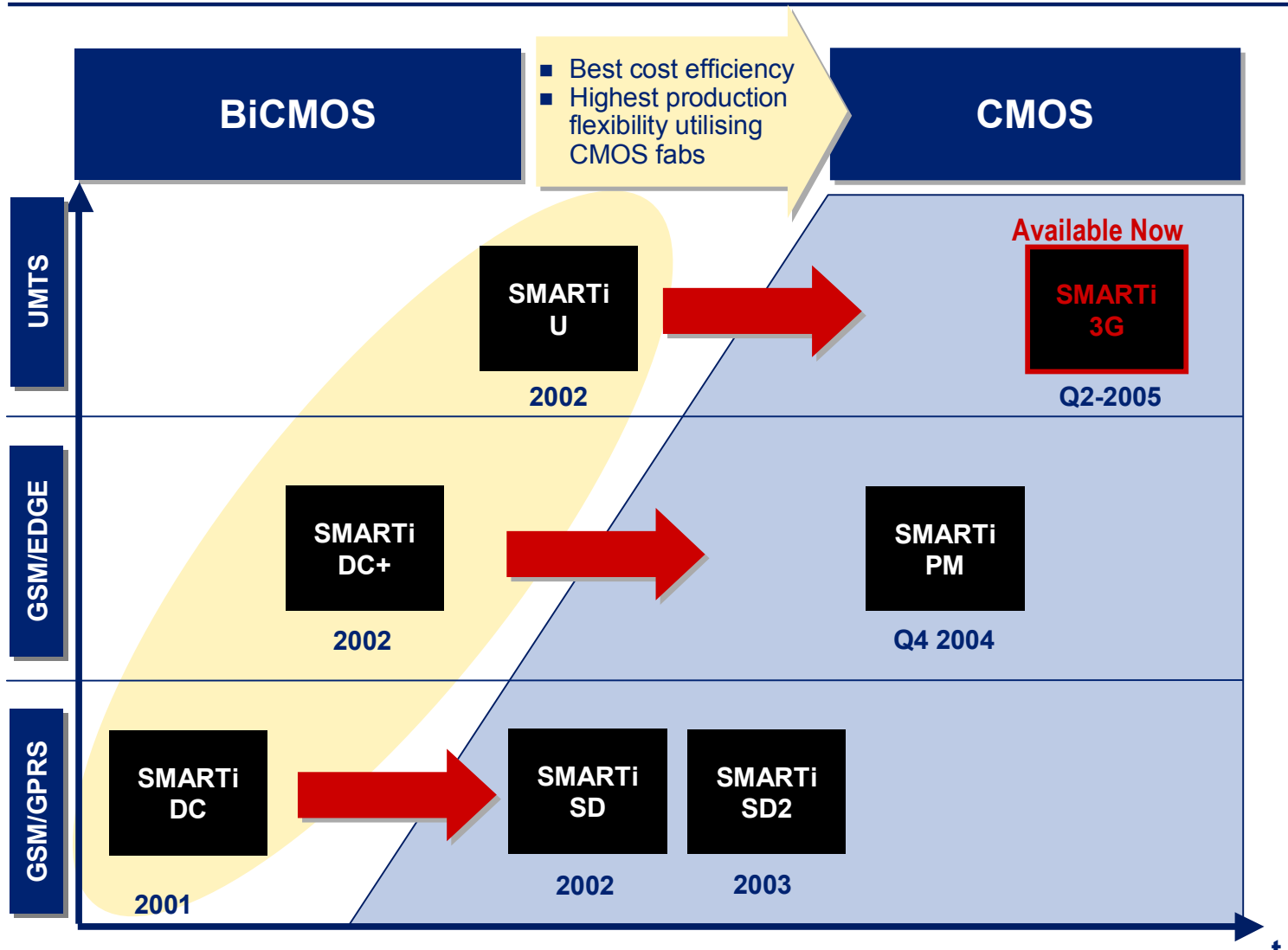
(1) Excl. acquisition related expenses and net charges resulting primarily from reorganization measures.



# Emerging Markets Remain Unit-growth Drivers; Shift Towards Feature-driven Replacement Sales



# Wireless RF – Market Leader With >25% Market Share in Transceivers And 3<sup>rd</sup> Generation Now in CMOS



# IFX Introduced Worldwide First Single-chip RF/baseband to Target Low Cost Markets

## Long-term experience

### RF CMOS transceiver

- In volume production
- 130nm CMOS
- Single-chip digital RF solution

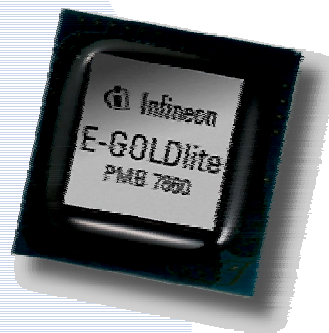
### Baseband

- In volume production
- 130nm CMOS
- Integrates:
  - Digital baseband
  - Mixed signal
  - SRAM



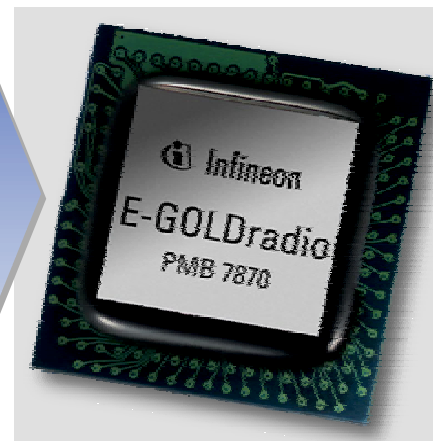
### Monolithic integration

- 30% lower BOM
- 30% smaller footprint
- Less complexity



## Volume-ramp in 2005

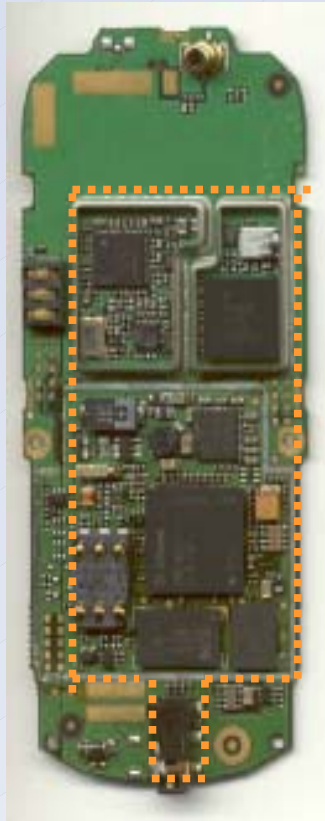
### Single-chip CMOS RF and baseband



### Supports:

- Up to GPRS Cl. 12
- 1.3 MPix camera
- Dual color display
- MP3 playback

# Infineon's ULC Solution Reduces BOM Significantly



< 35 USD

Phone BOM


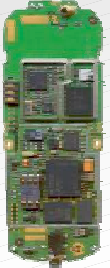
< 20 USD

**IFX with highest level of hardware integration**



28cm <sup>2</sup>	PCB size area	9cm <sup>2</sup>
200	# of components	100
6	PCB layer	4
Double-sided	PCB mounting	Single-sided

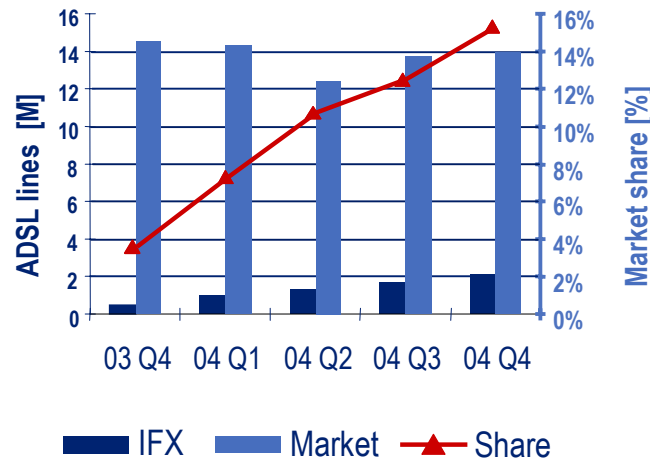
# Infineon Features Advanced Platform Applications

Applications	Product features
<p><b>Smart phone</b> K2 Open O/S</p> 	<ul style="list-style-type: none"> <li>■ Video conferencing and video streaming</li> <li>■ Video recording with preview</li> <li>■ High-speed browsing</li> <li>■ 3D sound and 3D gaming</li> <li>■ Advanced J2ME features</li> <li>■ UMTS reception diversity</li> </ul> 
<p><b>Multimedia phone</b> MP-E/EU Camera</p> 	<ul style="list-style-type: none"> <li>■ 2 MPix still picture camera</li> <li>■ Video playback and recording</li> <li>■ Video streaming w/o companion</li> <li>■ MPEG4, H.263, MP3, AAC++</li> <li>■ Voice recording and recognition</li> </ul>
<p><b>Feature phone</b> (Low-end) MP1-G Apoxi</p> 	<ul style="list-style-type: none"> <li>■ VGA camera module</li> <li>■ Polyphone ringer: up to 40 voices</li> <li>■ Video: MPEG-4/H.263 play/record</li> <li>■ Codecs: FR / HR / EFR / NB-AMR</li> <li>■ Connectivity: IrDA, USB 2.0, Bluetooth</li> </ul> 

# Wireline – Strong Positioning in Access Growth Markets

## ADSL

2004: Significant market share increase



## ADSL2+ for Cust. Prem. Equipment

- End-to-end strategy
- 2004: Successful market entry for ADSL2+ deployments (ADMtek)

## High growth in T/E business

- No. 1 in T/E with 27% market share
- In 2004, IFX enjoyed further growth due to 3G infrastructure build-up

## Leading solutions for VoIP

- “VINETIC” for VoIP CPE and line cards
- “INCA IP” as VoIP telephone solution



# VDSL2 Success Factors – Infineon Has it All

## ✓ Early availability

- VINAX: 1st fully standard compliant VDSL2 chip solution
- IFX: Sole company meeting all regional requirements

## ✓ Experience

- More than 4 million VDSL1 lines powered by Infineon chip solutions
- Fully ADSL backwards compatible

## ✓ Meeting all regional requirements

- Extensive line-card and CPE solutions portfolio including: DSL, Communications Processors, VoIP, WLAN, switch/PHYs...



# Memory Products:

## Leader in 300mm DRAM Manufacturing

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AIM



**Automotive, Industrial  
& Multimarket**

COM



**Communication**

MP

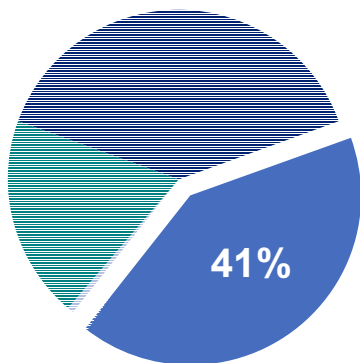


**Computing** – DT, NB, WS, Server & more  
**Graphics** – For graphics and games  
**Consumer & Mobile** – Low power for lifestyle  
**Aeneon** – For emerging white box markets  
**Flash** – NAND-compatible NVM

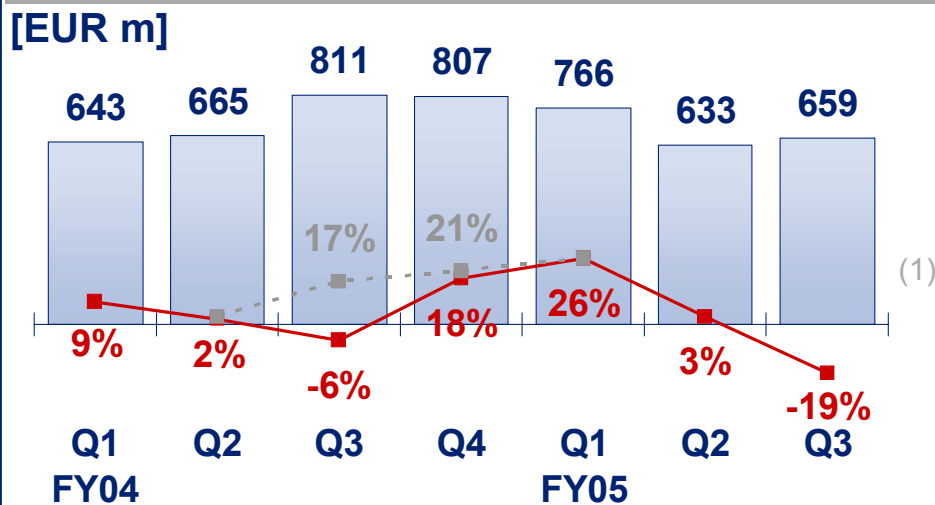


# MP: Revenue And EBIT Development

## Revenue share Q3 FY05



## Revenues and EBIT margin



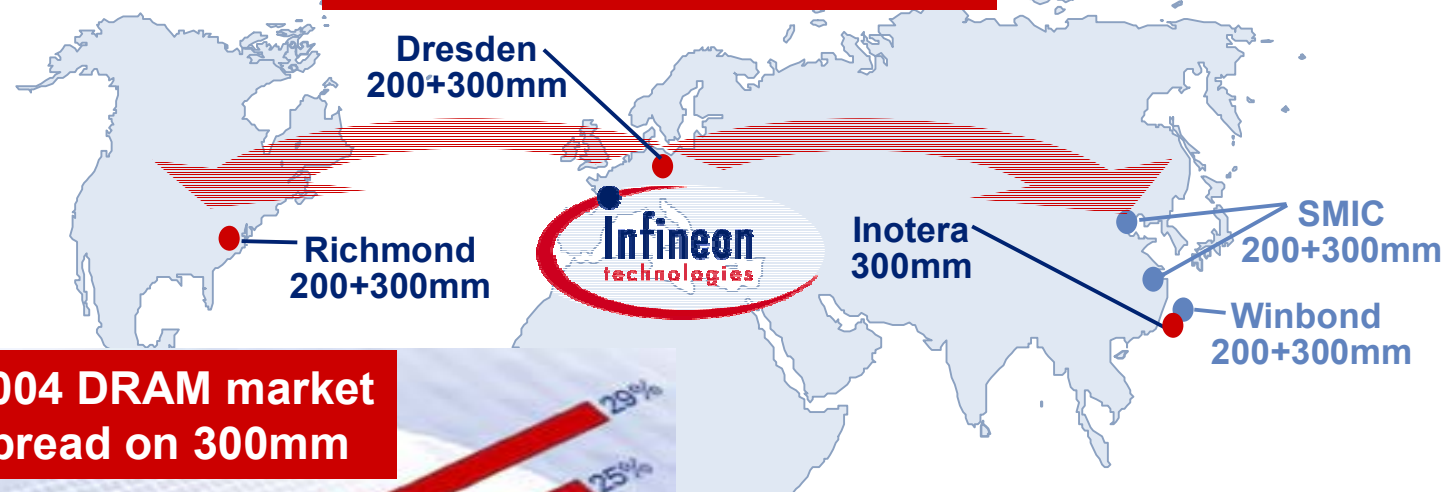
### Memory Product BG's outlook for Q4 FY05:

- Expecting bit-production to increase by ~15% based on additional shipments from Inotera, foundry partners and ramp of Richmond 300
- Bit-shipments are estimated to increase above market average
- Continue focusing on expansion of portfolio with higher margin products and increasing share of products with 512M density & DDR2 interfaces

(1) Excluding antitrust-related charges.

# 300mm Fabs Up And Running – Now Converting to 90nm

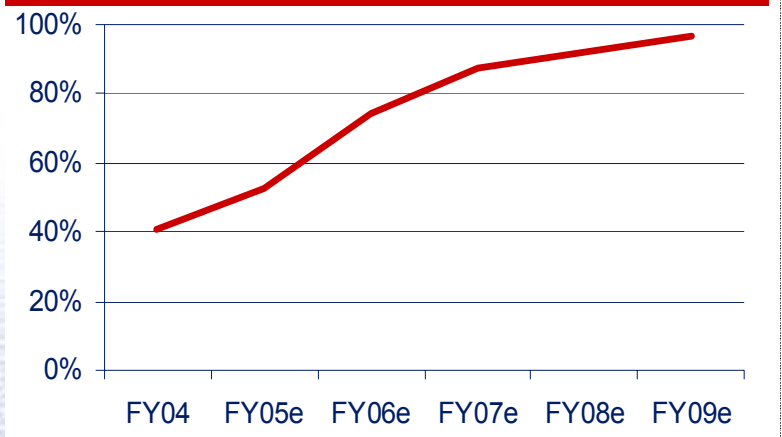
## IFX memory front-end cluster



## 2004 DRAM market spread on 300mm



## IFX memory roadmap for 300mm



# Shifting Memory Portfolio To Higher Margin Products



# Agenda

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Quarterly Update & Financials

Automotive, Industrial & Multimarket

Communication

Memory Products

**Outlook**

## Infineon Group's F4Q Outlook As Of July 26<sup>th</sup>

- **Revenues and EBIT:** expect firm improvement sequentially
- **R&D and SG&A:** should remain roughly at a similar level
- **One-off charges:** substantially lower, range of EUR20-40mn
- **Pay back of EUR450mn** credit facility from available funds
- **Tax expense rate:** around 30%
- **Capex:** expected range for FY05 is EUR 1.3-1.4 bn
- **Depreciation:** expected FY05 range approx. EUR 1.3-1.4 bn
- **FY06:** Capex & Depreciation ranges not expected to increase
  
- **AIM:** estimated stable revenues and EBIT
- **COM:** expected revenues to remain flat or slightly increase; EBIT with slight improvement at best (ex impairment charges)

# Memory Market And MP Outlook For F4Q As Of July 26<sup>th</sup>

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- Demand estimated to pick up based on further increase in memory content per system and current overall low price level for DRAMs
- Only moderate growth of supply expected due to shift of capacities from DRAM to Flash by some competitors
- Infineon anticipates a rather balanced demand and supply environment in the market, facilitating price stability during the quarter
- **MP:** Infineon is confident that both a further market growth and a stable price environment, combined with further operational improvements, will help to reduce substantially our losses in the current quarter

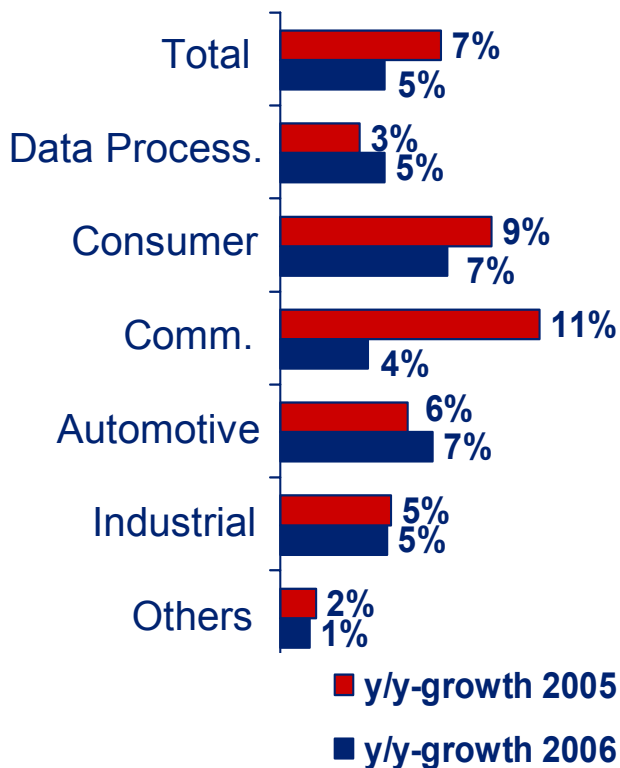


Never<sup>stop</sup> thinking

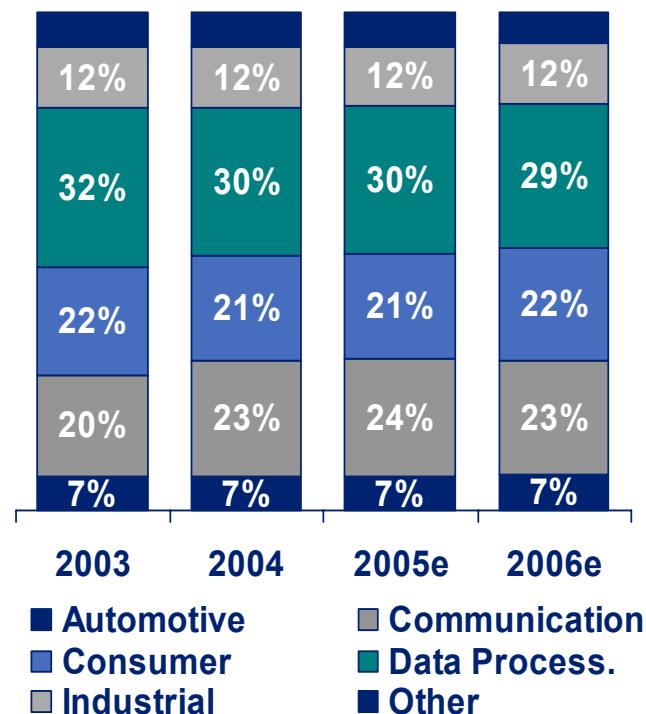
# Consumer And Communication Devices Drive Growth in 2005, Consumer And Auto Safety Applications in 2006

## Electronic equipment revenues market forecast by segment

### Segment growth in 2005e



### Segment split development

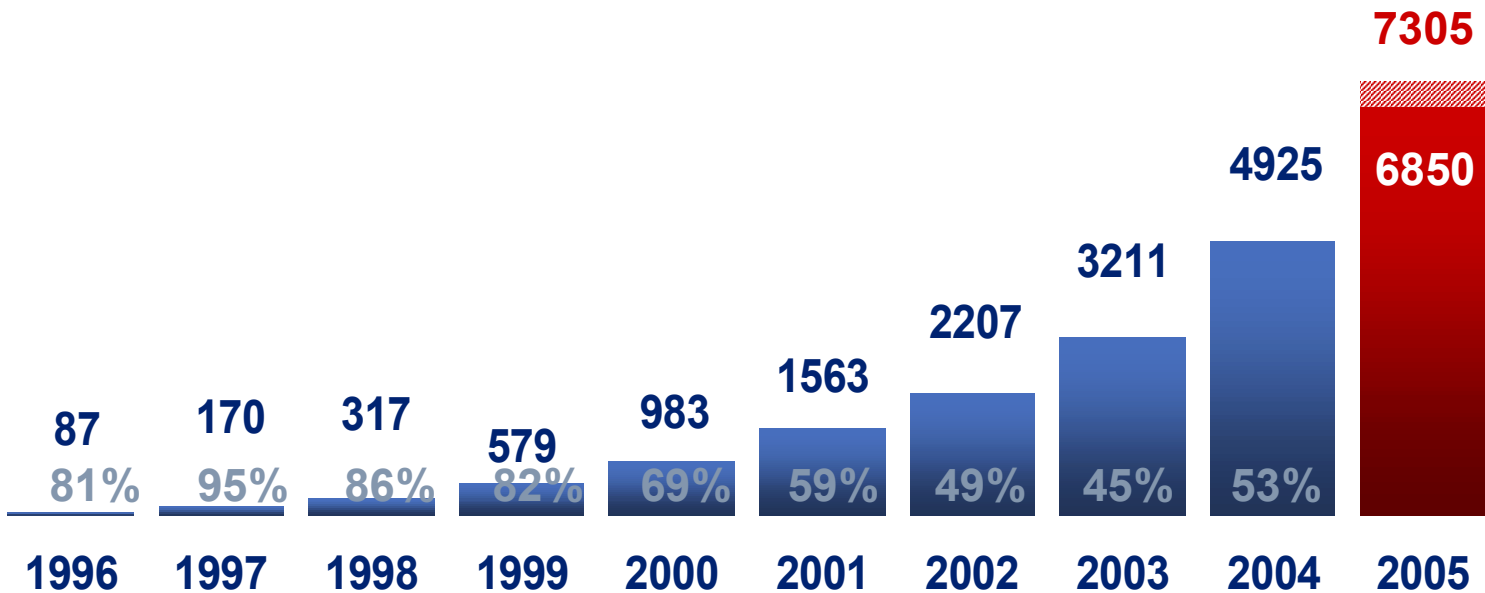




# DRAM Bit Market Development And Forecasts

Forecasts	2005
Gartner	53%
iSuppli	42% / 53%*
De Dios	45%

[256M eq.]

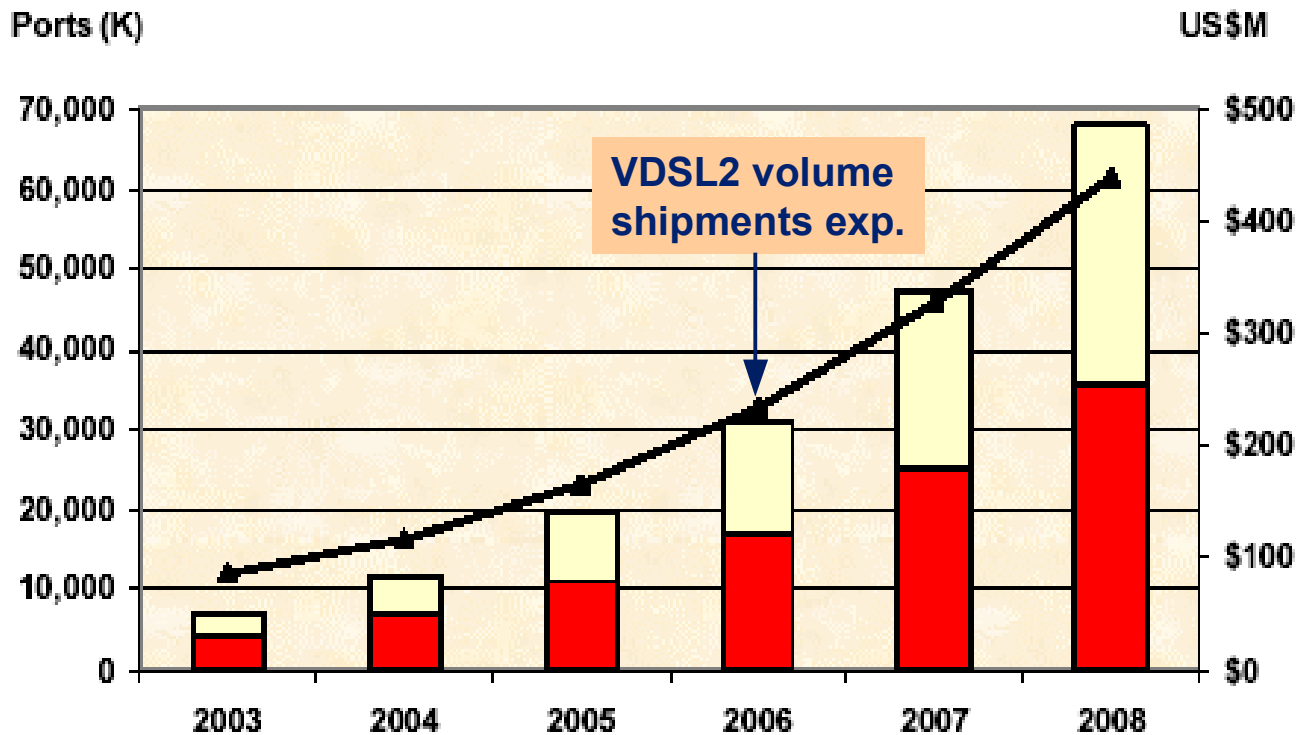


Source: WSTS for historical data, Forecast: Gartner, iSuppli, DeDios Q2 2005

\* iSuppli: demand 42% , supply 53%

# Market Trends – Revenue Forecast Worldwide

Total VDSL and VDSL2 IC shipments and revenue forecast



Source: In-Stat/MDR 11/04

