

Infineon

Company Information

July 2005



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Business development 3rd quarter fiscal year 2005



Business groups



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Business development 3rd quarter fiscal year 2005

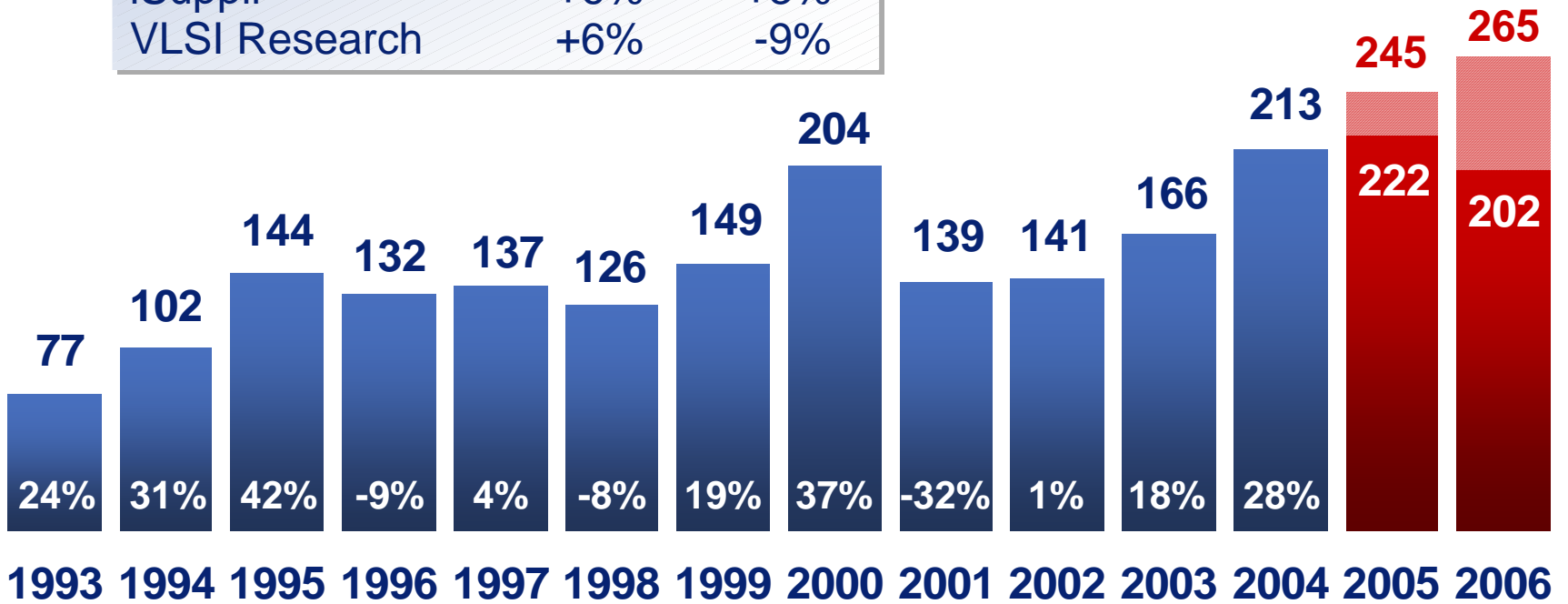
Business groups

General company information

Semiconductor market development and forecasts 1993 - 2006

Forecasts*	2005	2006
IC Insights	+4%	+8%
WSTS**	+6%	+5%
Future Horizons	+15%	+6%
Gartner DQ	+6%	+7%
iSuppli	+6%	+3%
VLSI Research	+6%	-9%

[USD bn]

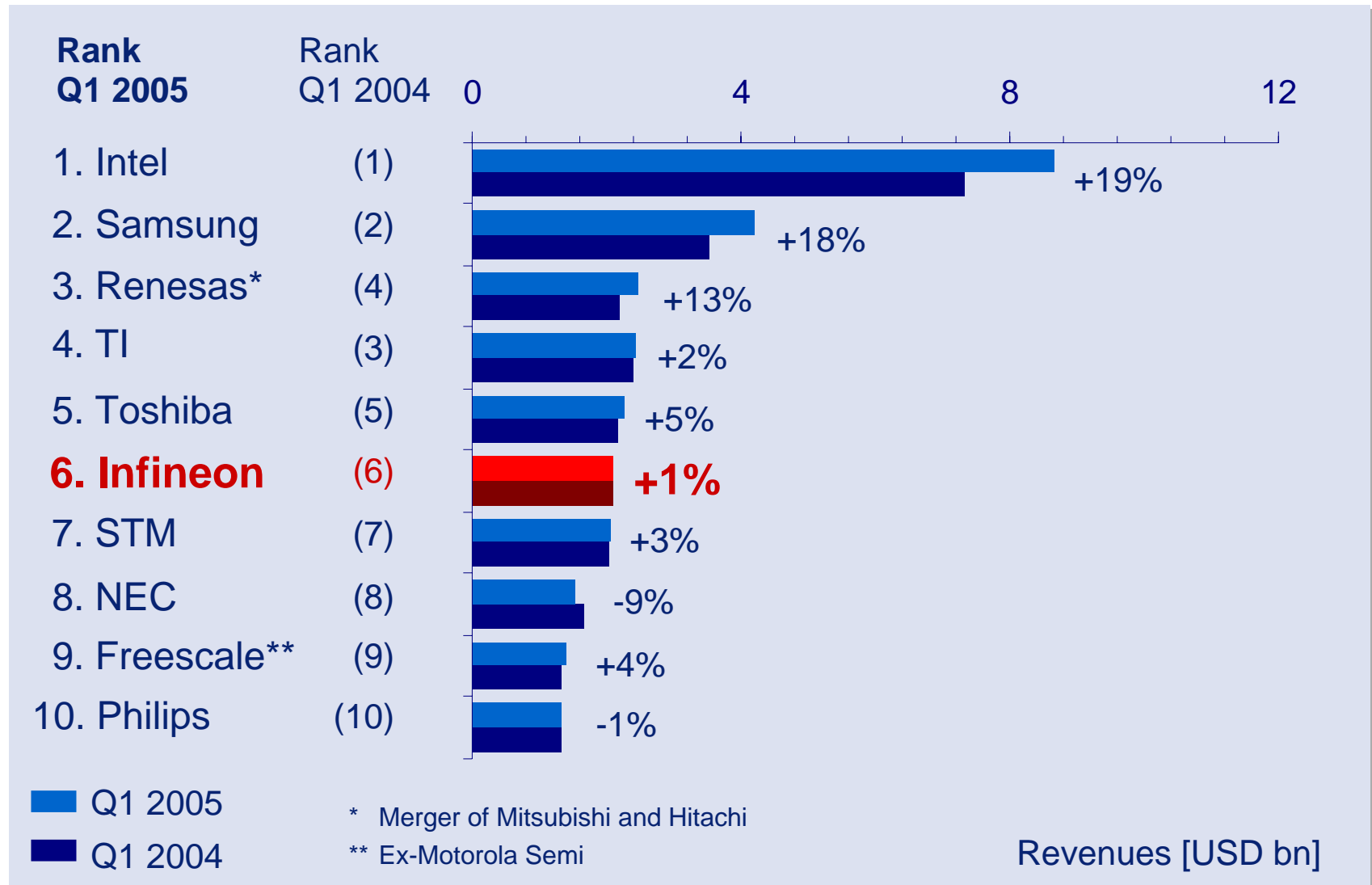


Source: WSTS for historical data

* As of July 12th, 2005

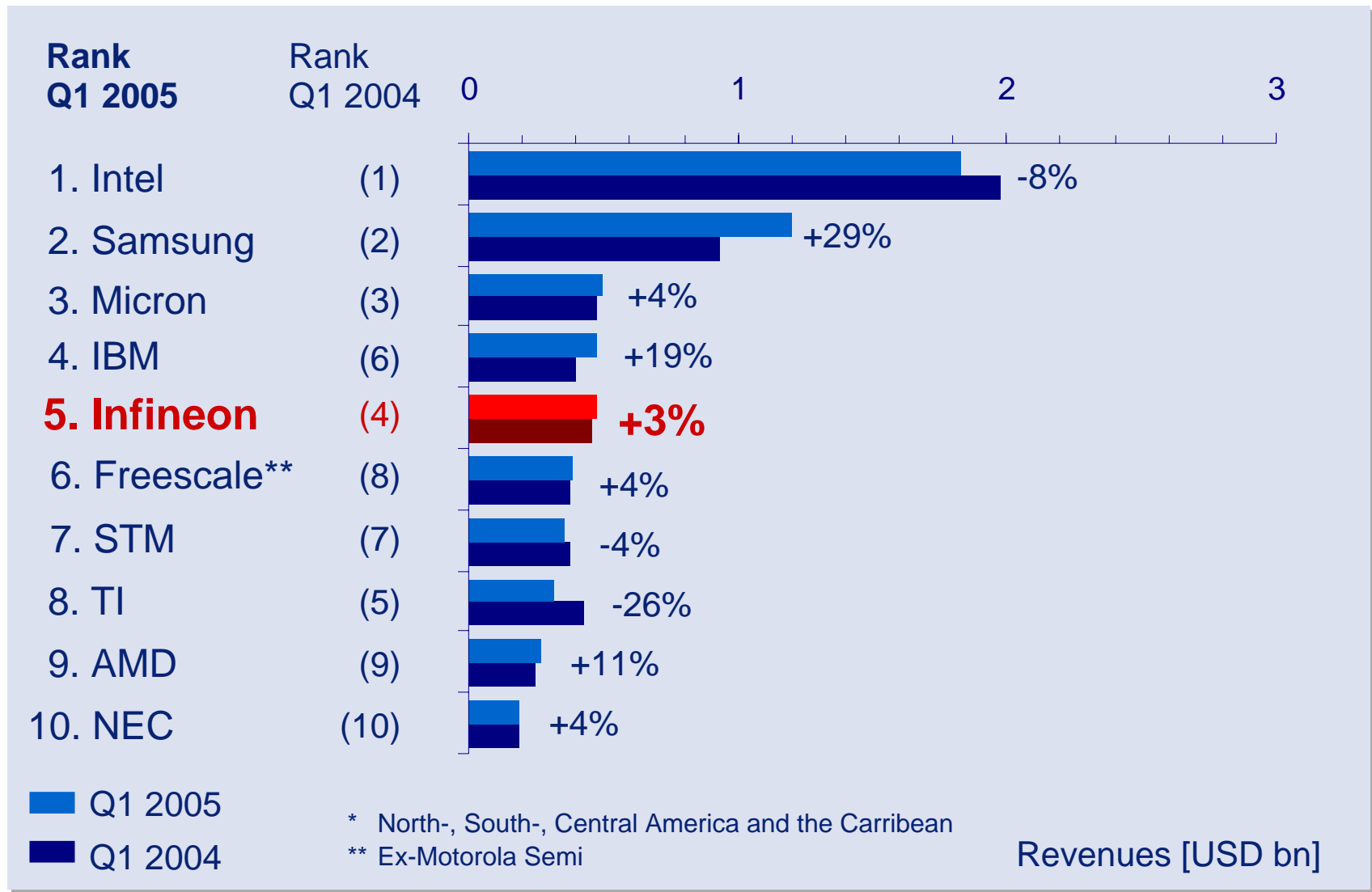
** incl. Update 1Q CY 2005

Worldwide semiconductor ranking Q1 2005 and Q1 2004



Ranking Americas*

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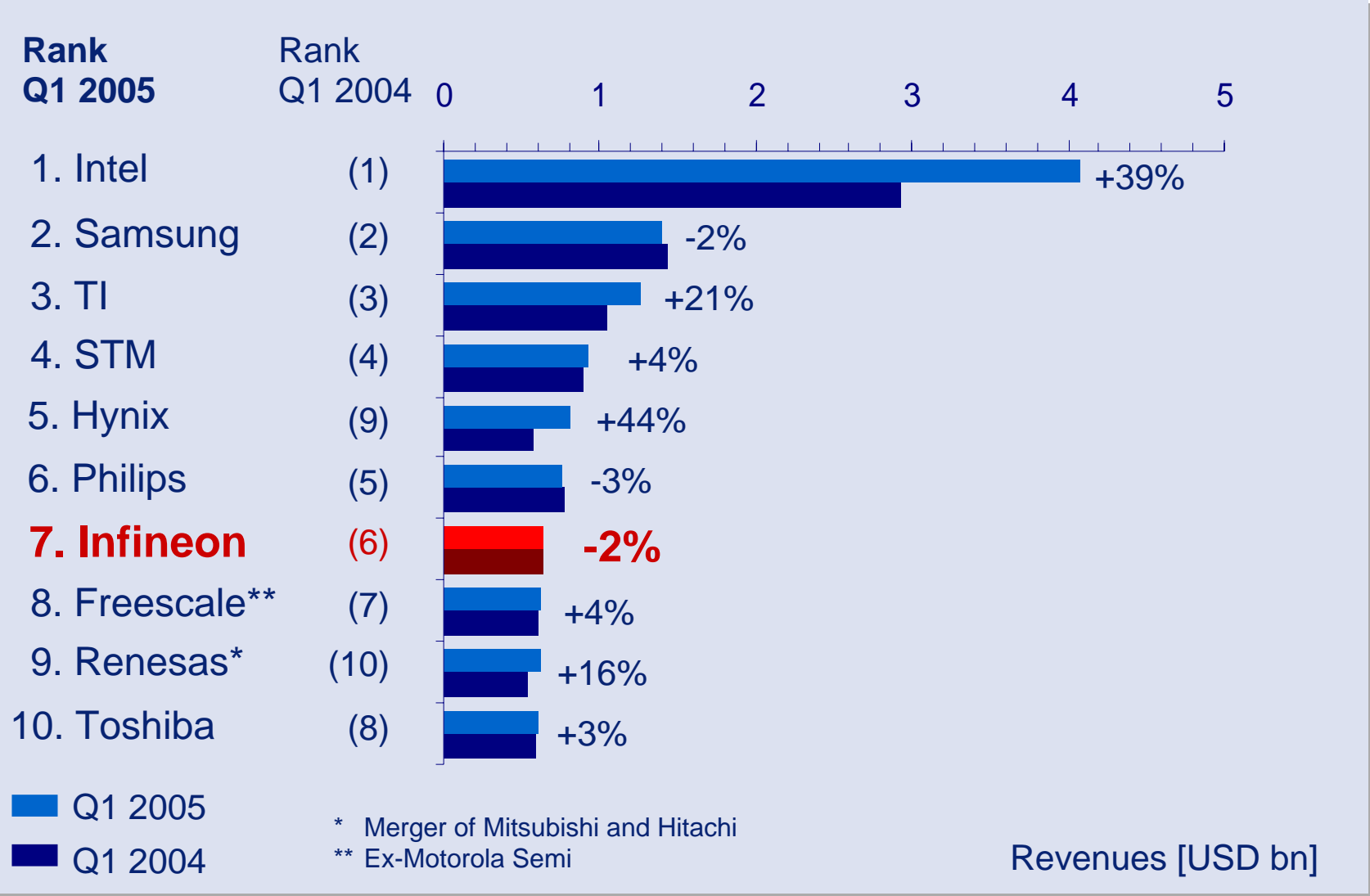
Ranking Europe



Source: iSuppli, June 2005

Ranking Asia





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never



Ranking in all targeted applications



* Application-specific semiconductor
 Source: Gartner Dataquest (March 2005); iSuppli (March 2005)

-  **Market** **Company overview** **Mission**
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Infineon at a glance

- Infineon – the No. 6 semiconductor company worldwide
- Revenues of Euro 7.2 billion in the fiscal year 2004; revenues growth of 17% year-on-year
- Approx. 36,000 employees (incl. 7,300 R&D staff) as of June 30, 2005
- Strong technology portfolio with about 41,000 patents and applications; more than 35 major R&D locations worldwide
- Most advanced fab cluster in 300mm production
- Focus on automotive and industrial electronics, security and chip cards, communication and memory products

Infineon – Market-oriented business structure

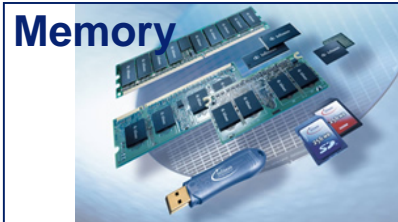
Business Groups

Applications



Infineon's technology competence

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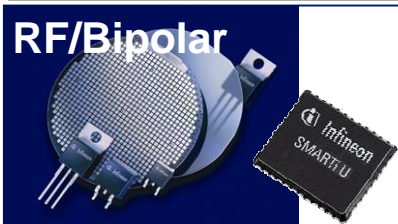
Memory

DRAM: 170nm – 90nm Trench
eDRAM: 170nm Trench
Nonvolatile Memory: 170nm – 110nm TwinFlash
Various Future Memory Technologies under review and development



CMOS

Digital CMOS: 1200nm – 90nm Technology Nodes (Platform <180nm incl. RF, AMS)
Analog/Mixed Signal: 1000nm – 180nm Technology Nodes (CxPA, CyNA)
eNVM: EEPROM: M3FR (Low Cost), IMEM, C5FR3,
 OTP: C5OP (Automotive)
eFlash/EEPROM: 500nm – 130nm CxFL (Chip Card), CxFLA, CxFLN (Automotive)



RF/Bipolar

RF BICMOS: 25GHz – 75GHz BxHFC, B9COPT
Bipolar IC: <200GHz NF-IC, RF-Bipolar: BxHF, SiGe: B7HFxx, B7HF200, RF Power: BxP
Bipolar/Discretes/MMIC:
 Diodes: NF-DI, Tuner: DxT, PIN: DxP, Schottky: DxS
 RFMOS: HF MOS, LDMOS, LDCAP
 AF Transistors NF-TR; RF-Transistors HFBxN/P, BxHF(D/M), B6HFE, RF Bipolar/SiGE: B7HF




Power/Analog

Bipolar: DOPL, Ax, BIPEP
Analog: SPT170, B6CA, HV-CMOS-SOI
Smart Power (BCD): SPTx (Automotive, EDP)
Smart (SmartMOS CD): SMARTx, MSMARTx, SSMARTx, Opto-TRIAC
SiC Devices: Diode; JEFET (Research)
DMOS (OptiMOS): KSPx, PFET KSNx, EH4, EHmilli, SFETx
HV-DMOS (CooliMOS): EH5/6, APT6, EHATx, EHATDx, EHCx
IGBT: IGBTx, LightMOS, ZIGBT,
Fast Recovery Diodes: FRSTDx (EMCONx)



MEMS

Temperature: D-TEMP
Hall: BxCAS, C9FLRN_GMR, CxHV
Pressure: BxCSP, PIEZO, TIREPx,
Inertia: GYRO
Distance Radar
RF MEMs: Int. Passives, Filter, RF-Networks
Microphone
Opto OP-DI, OP-TR

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Infineon's four pillars



New Infineon mission based on the four pillars

- **Customer Focus:**

We think of our customers first; delivering innovative semiconductor solutions to meet their needs today and in the future.



- **Operational Excellence:**

We are committed to being best-in-class on cost, quality and time-to-market.



- **Profitable Growth:**

We focus on profitable growth in the interest of our shareholders and employees.



- **Collaborative Leadership:**

We foster a cooperative culture and work as a global team for the success of our customers.



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Market Environment and results of Infineon in Q3 FY 2005

Infineon

- Stable revenues in Q3 compared to Q2
- Significant pricing pressure in memory market
- Rapid decline of prices in security and chip card business
- EBIT includes charges of Euro 81 million, EBIT loss increased to Euro 234 million
- Net loss in Q3 at Euro 240 million

AIM

- Slightly lower revenues due to higher than expected pricing pressure in security and chip card business
- Revenues for automotive and industrial businesses increased slightly
- Lower EBIT due to pricing pressure at security and chip card ICs

COM

- Revenues decreased slightly due to pricing pressure
- Decline in demand from baseband customers
- Significant improvement of EBIT
- Reduction of idle capacity costs, efficiency programs and lower R&D costs

MP

- Significant price-per-bit decline of app. 30%
- Higher revenues due to strong bit-shipment growth of 45%
- EBIT decline due to higher the expected price decline, ramp-up costs of 300mm production at Richmond

Business highlights Q3 FY 2005

Automotive, Industrial & Multimarket

- Infineon received the Supplier Award 2004 from Continental for outstanding performance in logistics and quality. In addition, Astec awarded the company its Quality Award for the implementation of Infineon's zero-defect program, which was launched at IBM.
- Infineon will supply the German government with its secure chips for use in next-generation electronic passports, which the German Passport Office intends to begin to issue in November 2005. The company will also supply a special chip package developed for identity cards and passports, as well as the inlay containing the antenna and its connection to the chip.
- In the third quarter, the company signed an agreement with a leading hard-disk-drive manufacturer to develop a product to enter the new and fast-growing market segments of mobile applications.

Business highlights Q3 FY 2005

Communications

- We sampled our first UMTS six-band single-chip CMOS RF transceiver, which makes UMTS phones usable worldwide. The new SMARTi 3G has achieved design wins at various customers and is the world's first CMOS RF transceiver specifically developed for UMTS applications.
- We launched a new multimedia phone platform offering flexible support to GPRS and EDGE cellular standards. The MP-E platform includes all hardware and software components required for high-performance wireless phones with advanced multimedia functionality such as video streaming, video recording and playback. The true three-chip solution consisting of multi-media baseband, power management unit and CMOS RF transceiver makes possible one of the cellular industry's smallest platforms.
- With the first sample of its VINAX chip available, we announced the industry's first fully standard-compliant VDSL2 end-to-end solution. With VINAX, we extend our comprehensive DSL portfolio and established a leading position in VDSL2, which is necessary for Triple Play services such as multi-channel HDTV, on-line / on-demand gaming and video applications, Voice over IP, and high-speed internet access.

Business highlights Q3 FY 2005

Memory Products

- Start of commercial production based on 90nm DRAM trench technology. Two products available: 512M DDR and 512M DDR2.
- Strong bit-growth of about 45% compared to previous quarter.
- 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.

Business Development Infineon, Comparison Q2 FY 2005 vs. Q3 FY 2005 and 9 months FY 2004 vs. 9 months 2005

(according to US GAAP in EUR m)	Q2 FY 2005	Q3 FY 2005	Change	9 Months FY 2004	9 Months FY 2005	Change
Net sales	1,606	1,606	0	5,202	5,028	(174)
Growth (%)		0			(3)	
EBIT	(117)	(234)	(117)	143	(140)	(283)
Net profit (loss)	(114)	(240)	(126)	17	(212)	(229)
Earnings / (loss) per share (EUR)	(0.15)	(0.32)	(0.17)	0.02	(0.28)	(0.30)

Revenue performance and EBIT development (1 of 2)

(according to US GAAP [EUR m])	Revenue and EBIT				
	Q3 03/04	Q4 03/04	Q1 04/05	Q2 04/05	Q3 04/05
Automotive, Industrial & Multimarket					
Revenues	669	708	631	634	625
EBIT	74	90	48	36	23
Communication					
Revenues	419	466	414	332	314
EBIT	2	(73)	(19)	(142)	(88)
Memory Products					
Revenues	811	807	766	633	659
EBIT	(50)	149	196	17	(125)

Prior period segment results are reclassified to be consistent with the current period presentation and organizational structure.

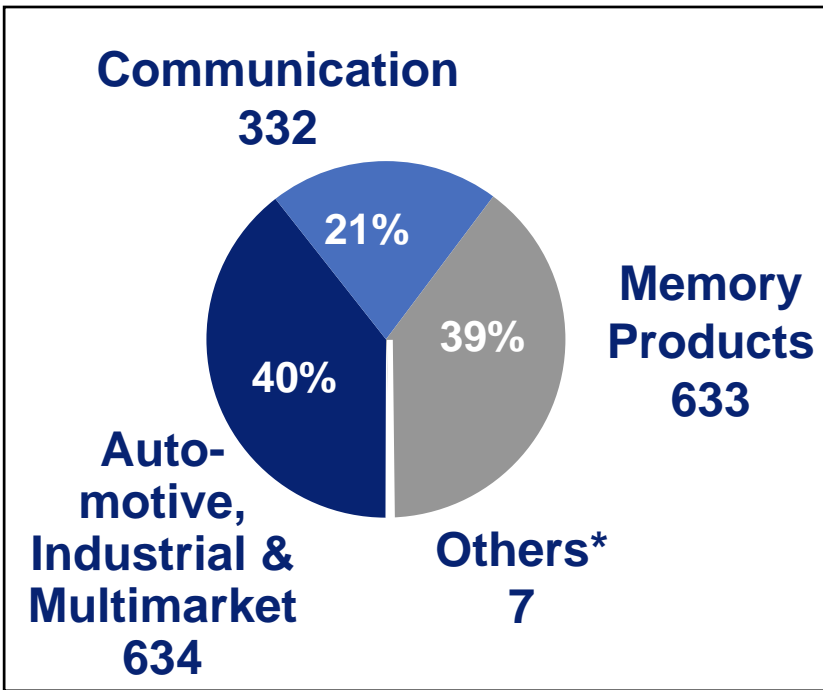
Revenue performance and EBIT development (2 of 2)

Revenue and EBIT					
(according to US GAAP [EUR m])	Q3 03/04	Q4 03/04	Q1 04/05	Q2 04/05	Q3 04/05
Others					
Revenues	1	3	3	4	3
EBIT	(9)	(35)	(2)	11	(1)
Corporate & Reconciliation					
Revenues	8	9	2	3	5
EBIT	(15)	(18)	(12)	(39)	(43)

Prior period segment results are reclassified to be consistent with the current period presentation and organizational structure.

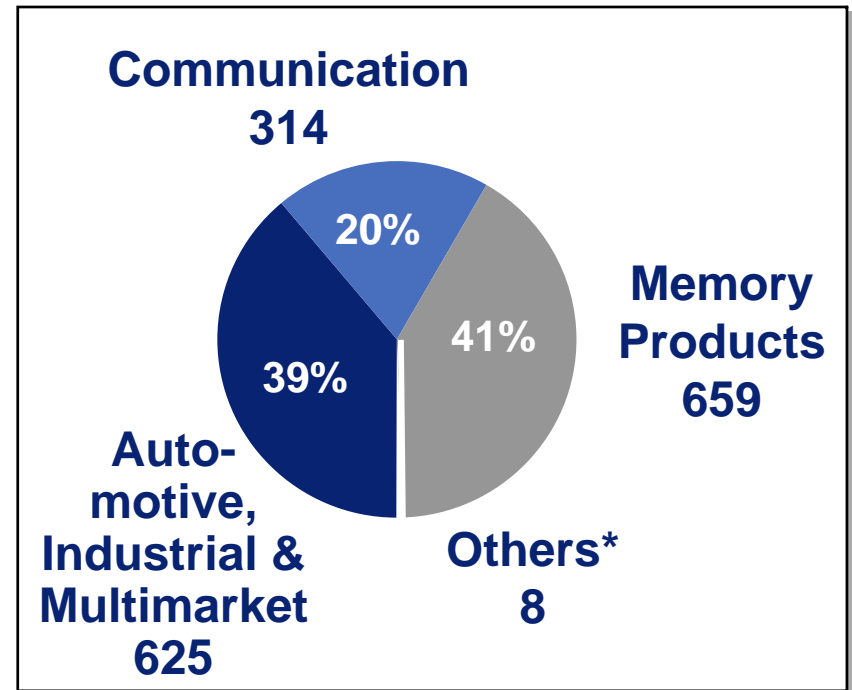
Sales by segments, 2nd quarter FY 2005 and 3rd quarter FY 2005

Q2 FY 2005



Total: EUR 1,606 m

Q3 FY 2005



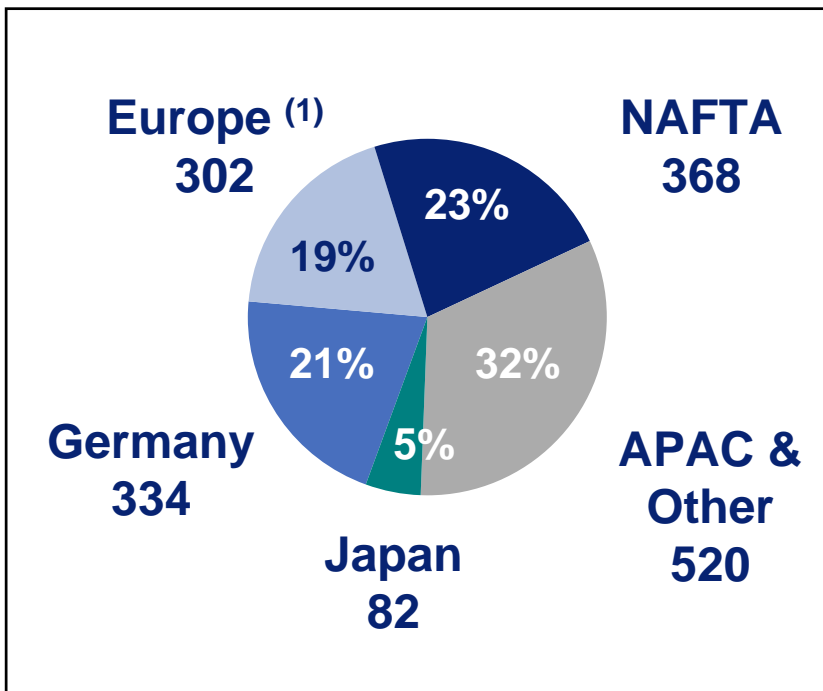
Total: EUR 1,606 m

(according to US GAAP)

* Includes Corporate & Reconciliation and Other Operating Segments

Sales by region, 2nd quarter FY 2005 and 3rd quarter FY 2005

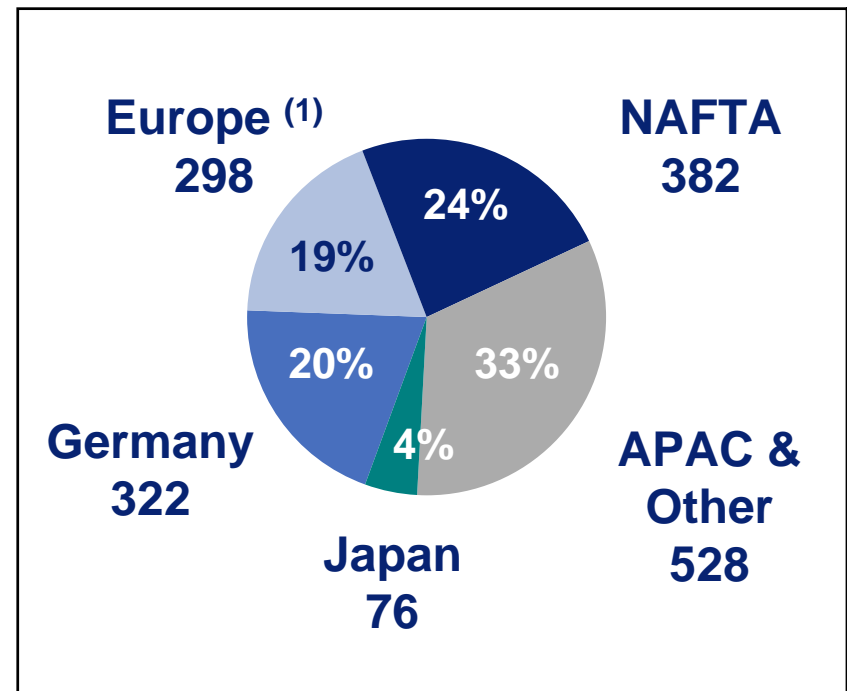
Q2 FY 2005



Total: EUR 1,606 m

(1) Excluding Germany

Q3 FY 2005

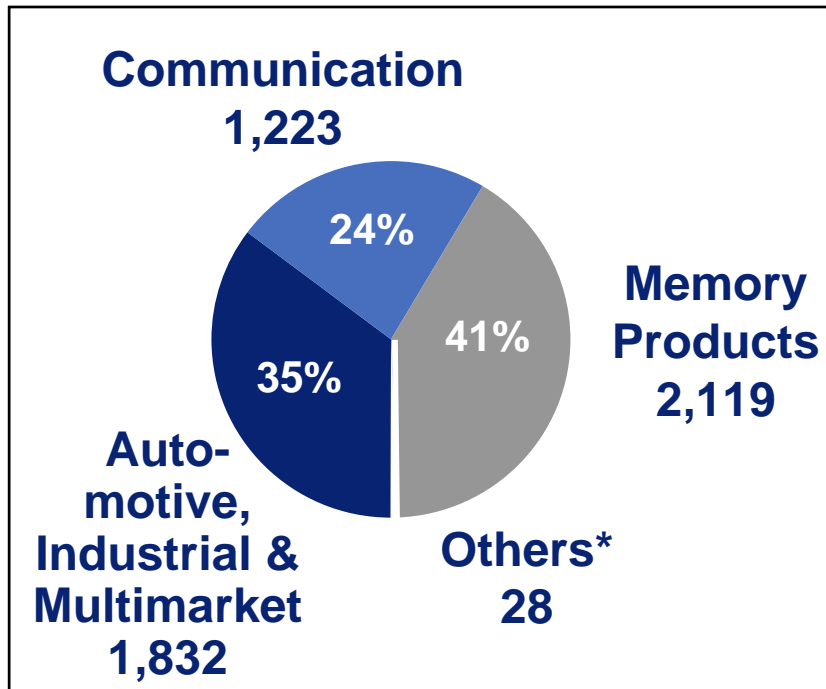


Total: EUR 1,606 m

(according to US GAAP)

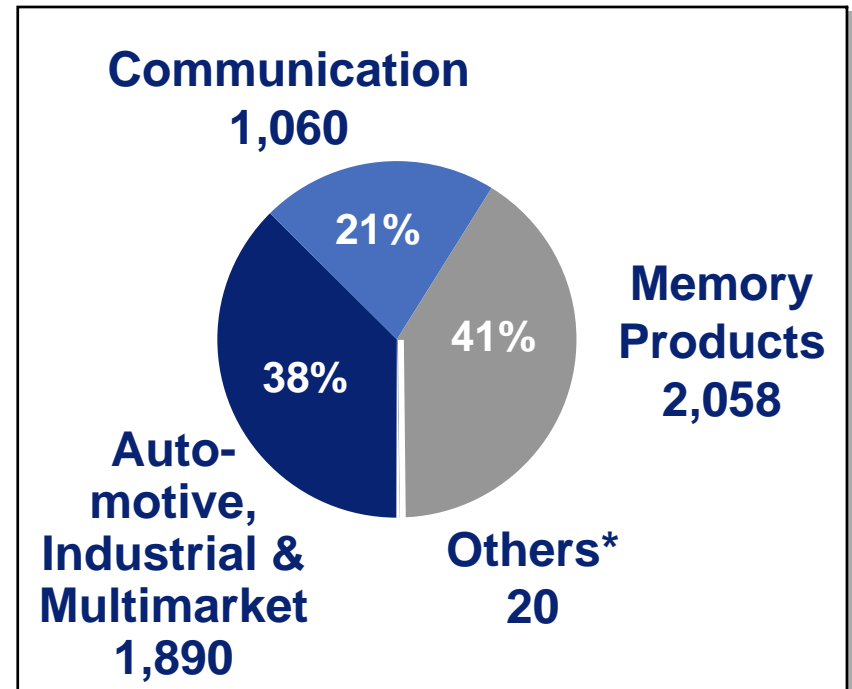
Sales by segments, 9 months FY 2004 and 9 months FY 2005

9 Months FY 2004



Total: EUR 5,202 m

9 Months FY 2005



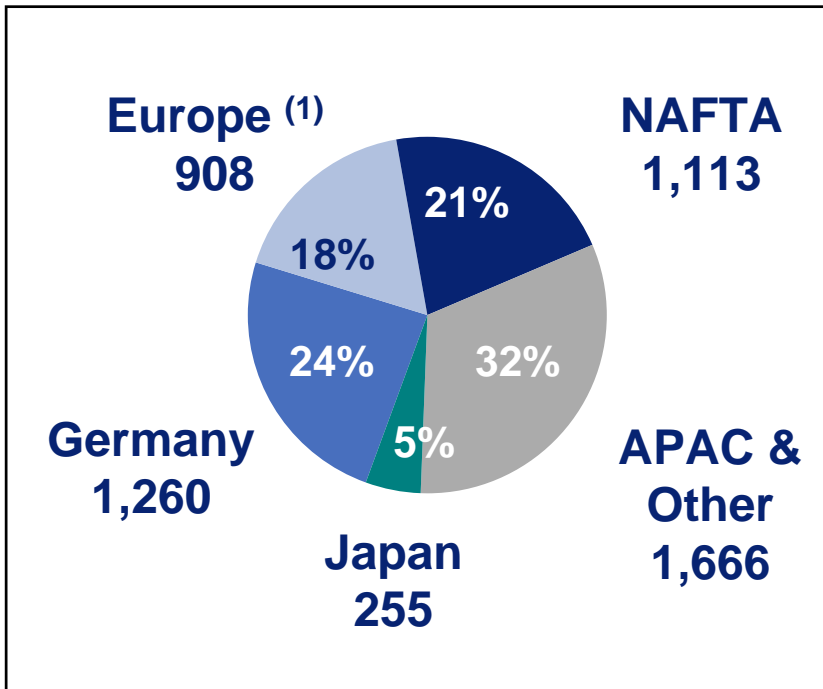
Total: EUR 5,028 m

(according to US GAAP)

* Includes Corporate & Reconciliation and Other Operating Segments

Sales by region, 9 months FY 2004 and 9 months FY 2005

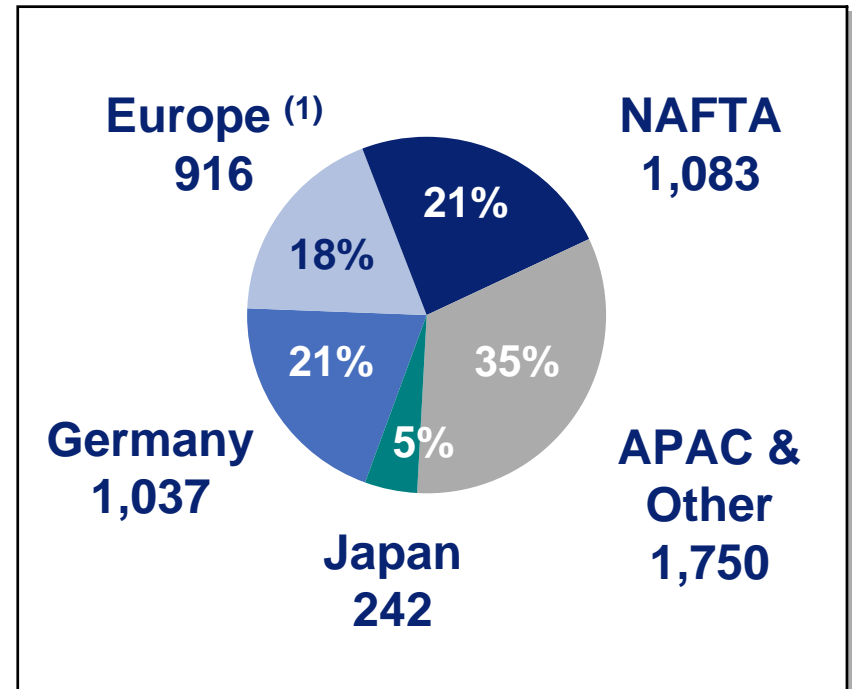
9 Months FY 2004



Total: EUR 5,202 m

(1) Excluding Germany

9 Months FY 2005



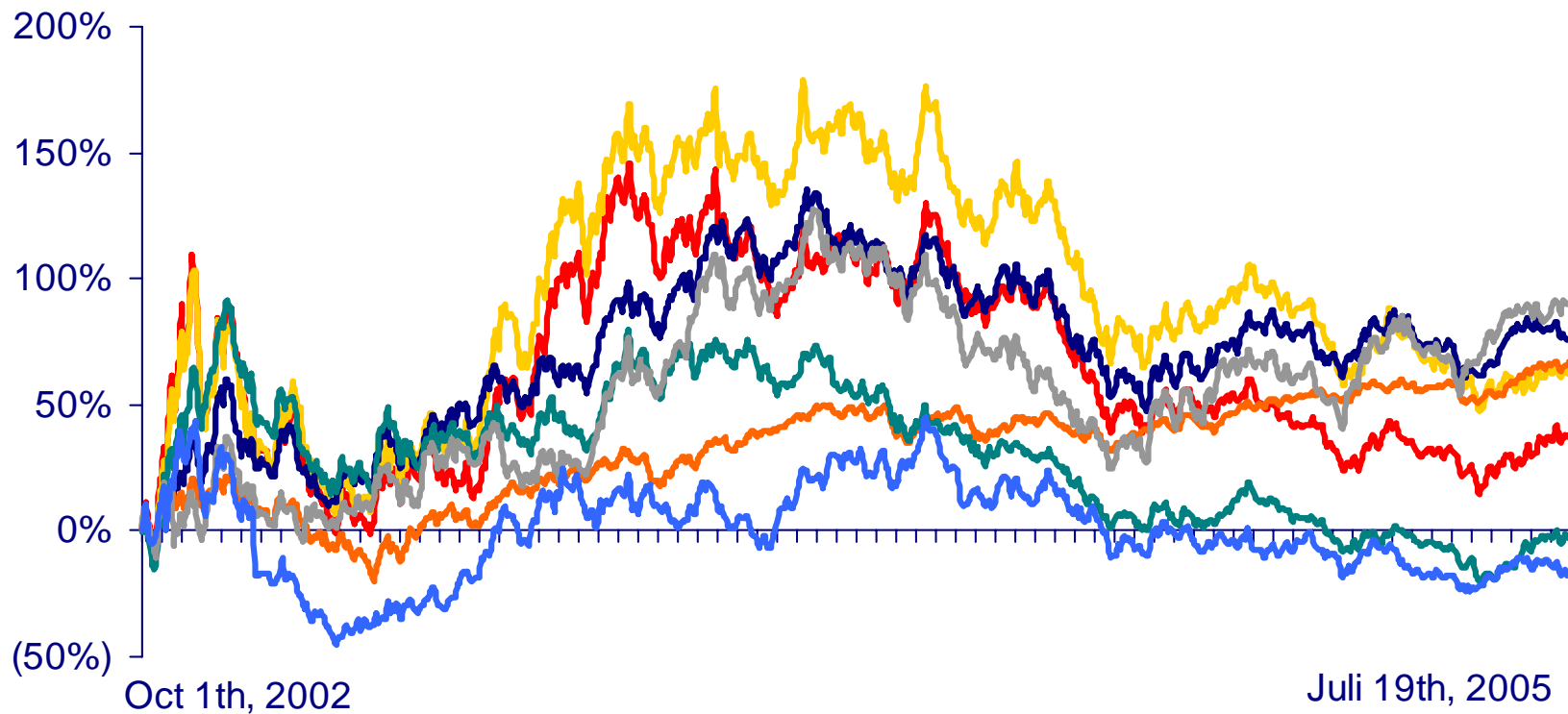
Total: EUR 5,028 m

(according to US GAAP)

Outlook for Q4 FY 2005

- Improved Q4 compared to Q3 expected.
- Stable revenues and EBIT for **AIM** expected, despite ongoing pricing pressure especially at security and chip card ICs. Planned phase-out of production at Munich-Perlach and start-up costs for production site at Kulim will negatively impact EBIT through the end of CY 2006.
- For **COM**, stable or slightly increasing revenues expected compared to Q3. EBIT loss anticipated to remain stable or decrease slightly excluding impairment charges.
- For **MP** a further increase in memory loads per system, increasing demand and only moderate growth of supply in the industry expected for Q4. A rather balanced supply and demand ratio is anticipated. In addition, we expect to gain further market share with our bit shipments further increasing at a rate above market growth, as a result of constantly increasing capacities at our joint venture and foundry partners and due to the start of ramp-up of the 300mm production facility in Richmond. We will continue to focus on diversification of our memory product portfolio aiming at improving market shares and reducing price volatility.

Relative performance of IFX stock since the beginning of FY 2003



- Infineon Technologies (XETRA)
- Infineon Technologies (New York)
- Micron Technologies
- ST Microelectronics
- Texas Instruments
- SOX
- DAX

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Infineon – Business groups

AIM



**Automotive, Industrial
& Multimarket**

COM



Communication

MP



Memory Products

Automotive Semiconductor Solutions

Combining sensing, computing and actuating

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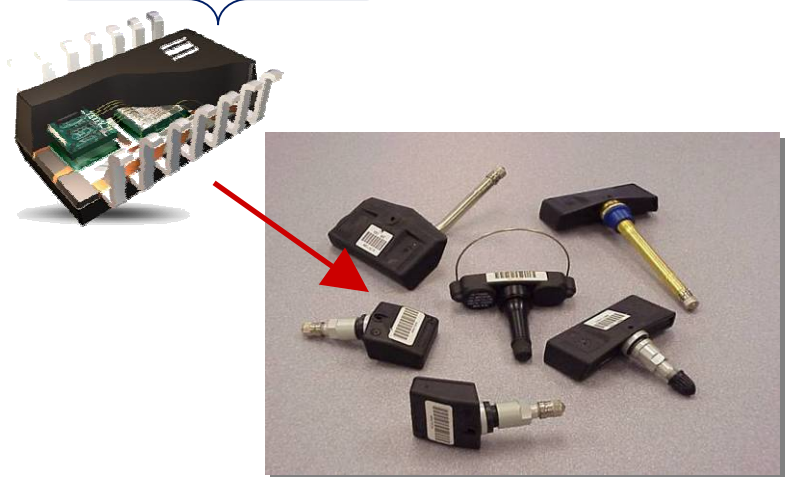
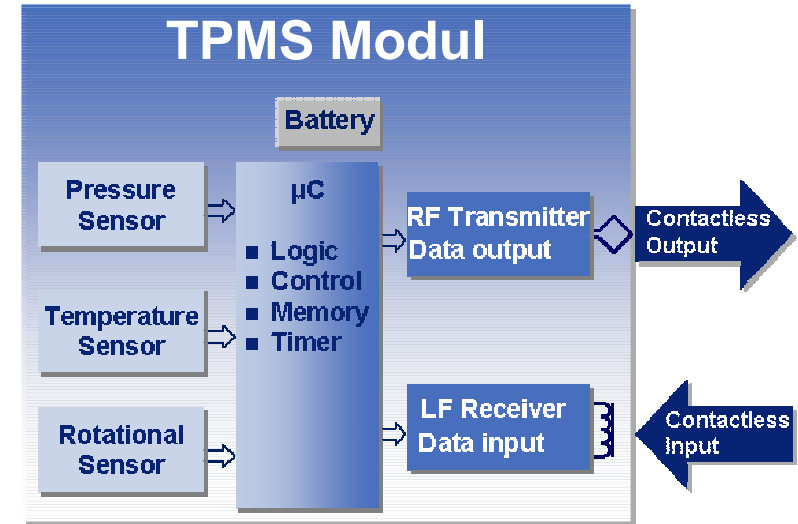
Sense	Compute	Actuate
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<p>Powertrain</p> <ul style="list-style-type: none"> - Diesel Engine Mgmt. - Gasoline Engine Mgmt. - Transmission Control - Starter / Alternator 		<ul style="list-style-type: none"> ■ Pressure Sensors ■ Hall Sensors 	<ul style="list-style-type: none"> ■ 16 bit μC ■ 32 bit TriCore[®] (μC + DSP) 	<ul style="list-style-type: none"> ■ MOSFETs ■ IGBTs ■ Regulators ■ Transceivers ■ Smart Power ■ System ICs
<p>Safety Management</p> <ul style="list-style-type: none"> - ABS / Traction Control - Suspension - Airbag + Restraint Systems - Power Steering - Tire Pressure Monitoring 		<ul style="list-style-type: none"> ■ Pressure Sensors ■ Hall Sensors ■ RF ICs 	<ul style="list-style-type: none"> ■ 8 bit μCs ■ 16 bit μCs ■ 32 bit TriCore[®] (μC + DSP) 	<ul style="list-style-type: none"> ■ Diodes ■ Transistors ■ MOSFETs ■ Regulators ■ Transceivers ■ Smart Power ■ System ICs
<p>Body & Convenience</p> <ul style="list-style-type: none"> - Light Control - Heating, Ventilation, Air Condition - Door & Seat - Smart Battery Terminal 		<ul style="list-style-type: none"> ■ Hall Sensors ■ Temp. Sensors ■ RF ICs 	<ul style="list-style-type: none"> ■ 8 bit μCs ■ 16 bit μCs 	<ul style="list-style-type: none"> ■ Diodes ■ Transistors ■ MOSFETs ■ Regulators ■ Transceivers ■ Smart Power
<p>Infotainment</p> <ul style="list-style-type: none"> - Telematics - Navigation - Multimedia - Car Audio - Dashboard 		<p>Microcontrollers, Wide Range (GSM/GPRS) and Short Range (Bluetooth, WLAN) communication solutions, GPS, High Frequency ICs, CAN/MOST Transceivers, Plastic Optical Fibres, Multimedia Cards, Power ICs, Security ICs</p>		

Advanced sensors, controllers and RF ICs for Tire Pressure Monitoring Systems (TPMS)





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- Infineon utilizes its combined wireless and automotive know-how to build a leading position in Tire Pressure Monitoring Systems
- Key solutions include:
 - Leading edge Pressure, temperature and rotational sensors
 - High-performance microcontrollers
 - Broad range of transmitter, receiver and transceiver ICs
- Our core competencies in sensors:
 - Advanced signal processing
 - Strong technical support expertise
- Key sensor trends:
 - Further integration of functionality through advanced signal processing
 - Increased robustness
 - Standardized signal transmission concepts



Controlling power with power semiconductors, power modules and microcontrollers

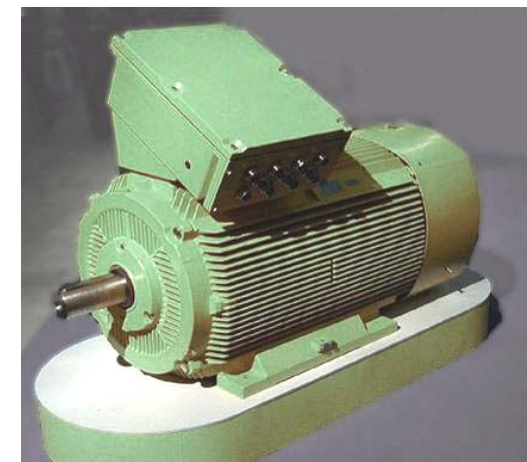
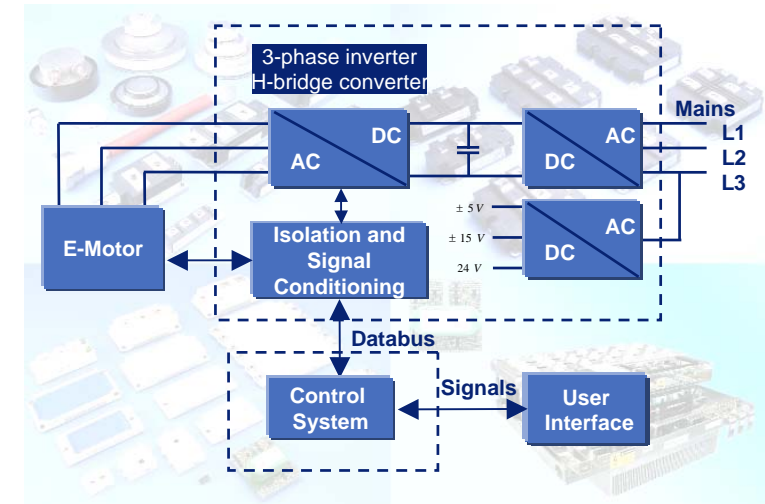
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Never

		Power Discretes	Power Modules	Power ICs	Micro-controllers
Distributed Power Generation 		<ul style="list-style-type: none"> Thyristor & Diodes PressPACK 	<ul style="list-style-type: none"> EasyPIM™ EasyPACK™ EconoPACK™ IHM modules BIP modules Stacks 	<ul style="list-style-type: none"> EiceDrive™ 	<ul style="list-style-type: none"> 8-bit μCs 16-bit μCs 32-bit TriCore® (μC + DSP)
Automation / Motor Control - Industrial Drives - Consumer Drives 		<ul style="list-style-type: none"> EmCon™ Trench Stop IGBTs Fast IGBTs 	<ul style="list-style-type: none"> EasyPIM™ EasyPACK™ EconoPACK™ IHM modules BIP modules Stacks 	<ul style="list-style-type: none"> PWM & PFC ICs EiceDrive™ 	<ul style="list-style-type: none"> 8-bit μCs 16-bit μCs 32-bit TriCore® (μC + DSP)
Traction 		<ul style="list-style-type: none"> Thyristor & Diodes PressPACK 	<ul style="list-style-type: none"> IHM / IHV modules Stacks PrimePACK™ 62mm IGBT modules 	<ul style="list-style-type: none"> EiceDrive™ 	<ul style="list-style-type: none"> 8-bit μCs 16-bit μCs 32-bit TriCore® (μC + DSP)
Power Supplies - UPS - AC / DC - DC / DC 		<ul style="list-style-type: none"> CoolMOS™ thinQ!™ (SiC Schottky Diode) Highspeed IGBTs OptiMOS® 	<ul style="list-style-type: none"> EasyPIM™ EasyPACK™ IsoPACK™ EconoPACK™ Thyristor- / Diode- modules 	<ul style="list-style-type: none"> PWM & PFC ICs CoolSET™ Integrated switches Gate drivers EiceDrive™ 	<ul style="list-style-type: none"> 8-bit μCs 16-bit μCs

Industrial drives

Power range from 100 W to 4 MW

- No. 1 worldwide in standard IGBT modules
- No. 3 worldwide in semiconductors for drives
- Product portfolio covers complete application: Power Semiconductors, Rectifiers, IGBT Modules, Controllers, optical POF transceivers
- Inverter solutions for low, medium and high power drives
- IGBT / BIP stacks & subassemblies including drivers & control circuit
- Comprehensive microcontroller portfolio with excellent real time performance and motor control peripherals (PWM, ADC, Timer etc.)
- 16- & 32-bit microcontrollers with DSP processing performance
- TriCore™ based 32-bit micro-controllers and third generation IGBTs allow high performance system solutions for drives



Chip Card and Security applications

Infineon is well-positioned to serve the key growth markets

**Contact-based
chip cards**

**Contactless
chip cards, RFID**

Security ICs



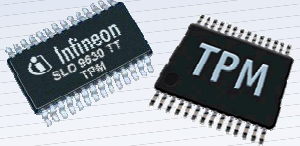
Communications
Prepaid
Mobile



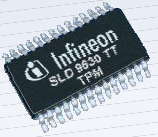
Payment
Credit / Debit, e-purse
Transport, Ticketing



Identification
ePassport, national ID
Social, Access
RFID, e-Government



Entertainment
Pay-TV, Gaming
Video/Audio



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Challenges and developments in the banking market

Chip Card Security expands the value chain for banks

Demand for Chip Security

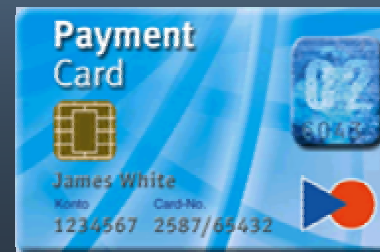
Substitution of Magstripe Banking cards

Minimum requirement of
EMV mandate by VISA
and Mastercard



More Added Value for Banks and Customers

Contactless interface for
comfort / public
transportation
EMV DDA, loyalty
applications, e-purse, etc.

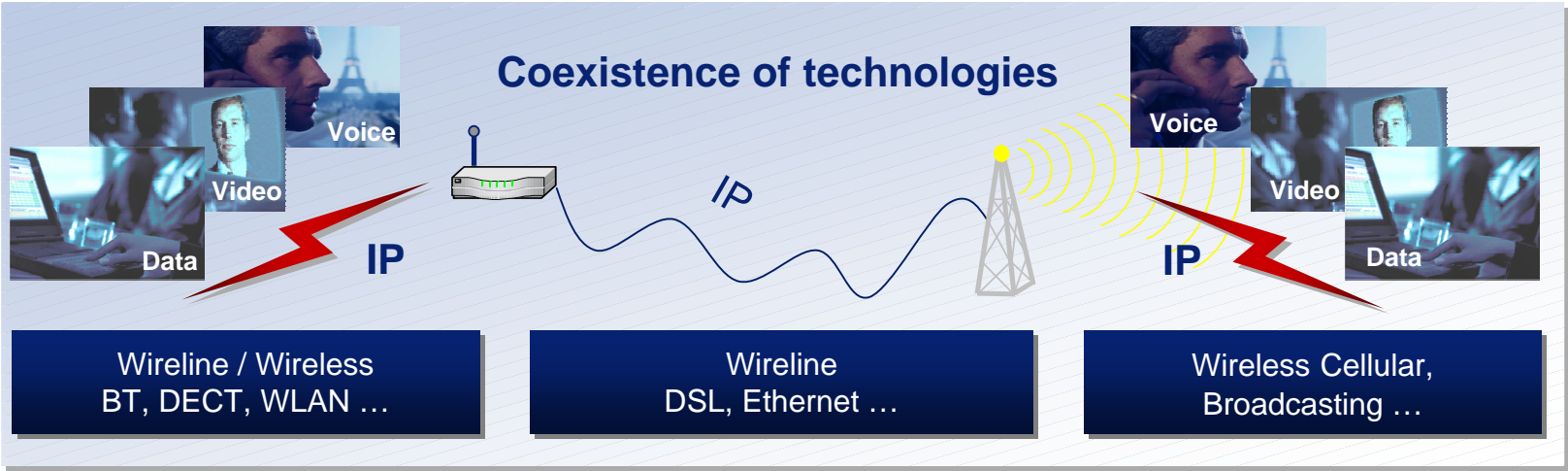
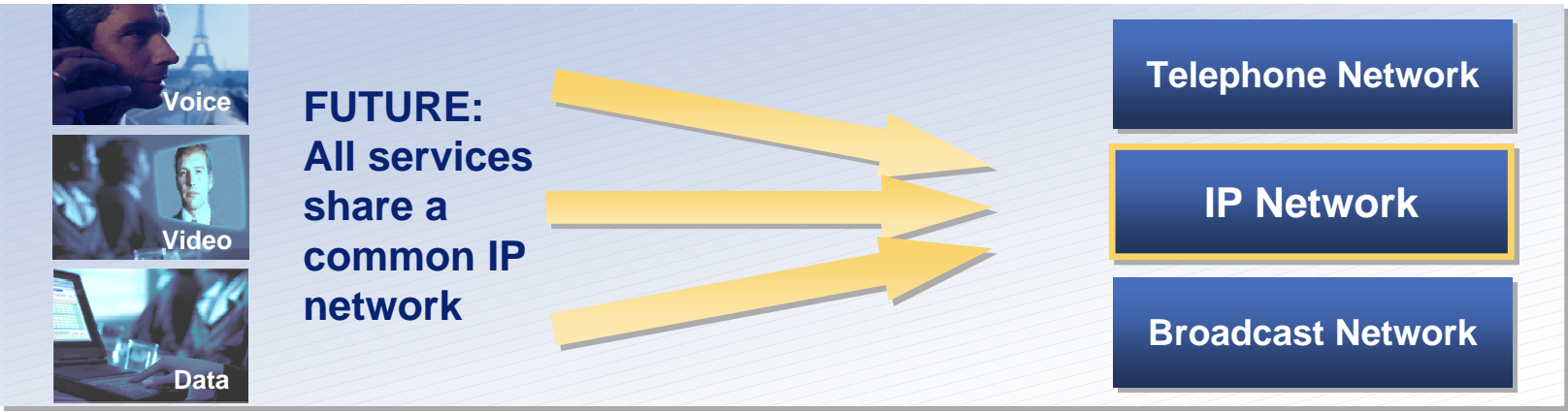


Banks will be the Trust Centers of Tomorrow

Secure Home Banking
PKI / digital signature
enabled by the Bank
(e.g. as Job Card, Health
Care Card, Citizen Card,
etc.)



We drive the convergence of voice, video and data communications



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COM business units - Driving convergence of communication technologies

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Broadband Access

Access
CPE



- Complete xDSL CO / CPE portfolio
- One chipset family for all VoIP applications
- Reference designs for ADSL2+ router, VoIP router and IP phones
- Chipsets for T/E carrier, analog linecards and ISDN

RF Connectivity

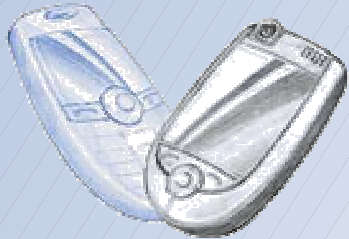
RF Engine, RF Power,
Tuner System, RF Custom,
SR Wireless



- RF transceivers and BAW filters for 2G and 3G mobile phones and wireless data modules
- Power amplifiers and RF ASIC for 2G and 3G base stations
- Bluetooth EDR, A-GPS and WLAN connectivity solutions
- DECT/WDCT chipset
- Analog and digital terrestrial tuner systems

Mobile Phones

Entry Phone, Feature
Phone, CP Siemens,
Software



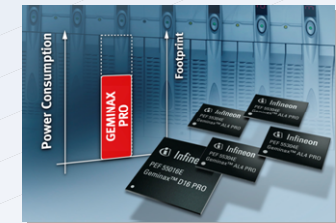
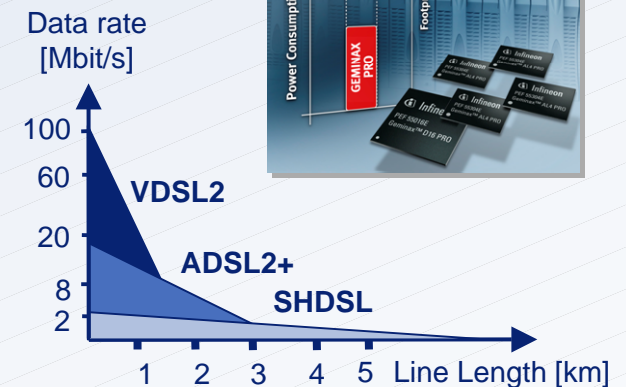
- Reference designs for GSM / GPRS, EDGE and UMTS standards
- RF / Baseband single-chip and multimedia baseband SoC
- Protocol stack and application framework software

Broadband access

Focus areas

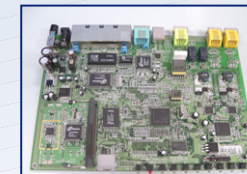
Access

- Leading market position in Standard Telecom infrastructure*: No. 1 in T/E carrier, No. 1 in Analog Linecards
- Complete xDSL CO/CPE portfolio:
 - Aggressively gaining market share in ADSL/2/+
 - Industry's first standard compliant VDSL2 ICs
 - Leading position in SHDSL and VDSL
- First Integrated Voice Data solution, fully integrated splitter and VoIP option
- Significant deployment of Infineon based ADSL2+ DSLAMs and early availability of an ADSL2+ modem chipset
- Highest-quality VoIP and IP telephony solutions



CPE (Customer Premise Equipment)

- Entry in the Digital Home market by combining IFX DSL and packetized Voice with ADMtek's strong Home Router and WiFi technology and market position
- Extensive wired and wireless : Network Processors, NICs, Switches and Router, product portfolio



* Gartner, June 2004

Broadband access Product portfolio

Applications

Product Features



DSLAM / DLC
IVD line-cards

Cellular
base-stations

- Ultra low power ADSL2+
- Fully standard compliant VDSL2

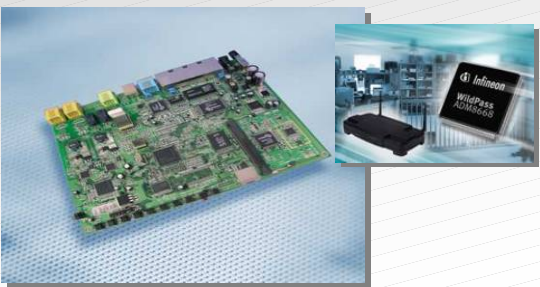



Video
Phone

Media
Adapter

Home Gateway

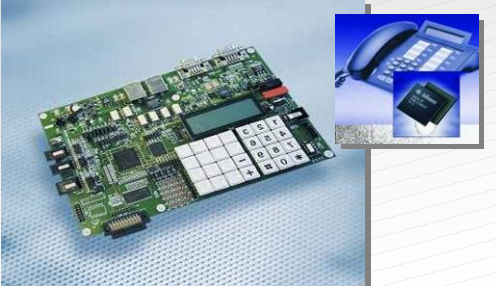
- Advanced system-on-chips
- High integration level
- Multiple interfaces for a wide host of applications
- Complete system designs




IP Phone

VoIP and POTS
line cards

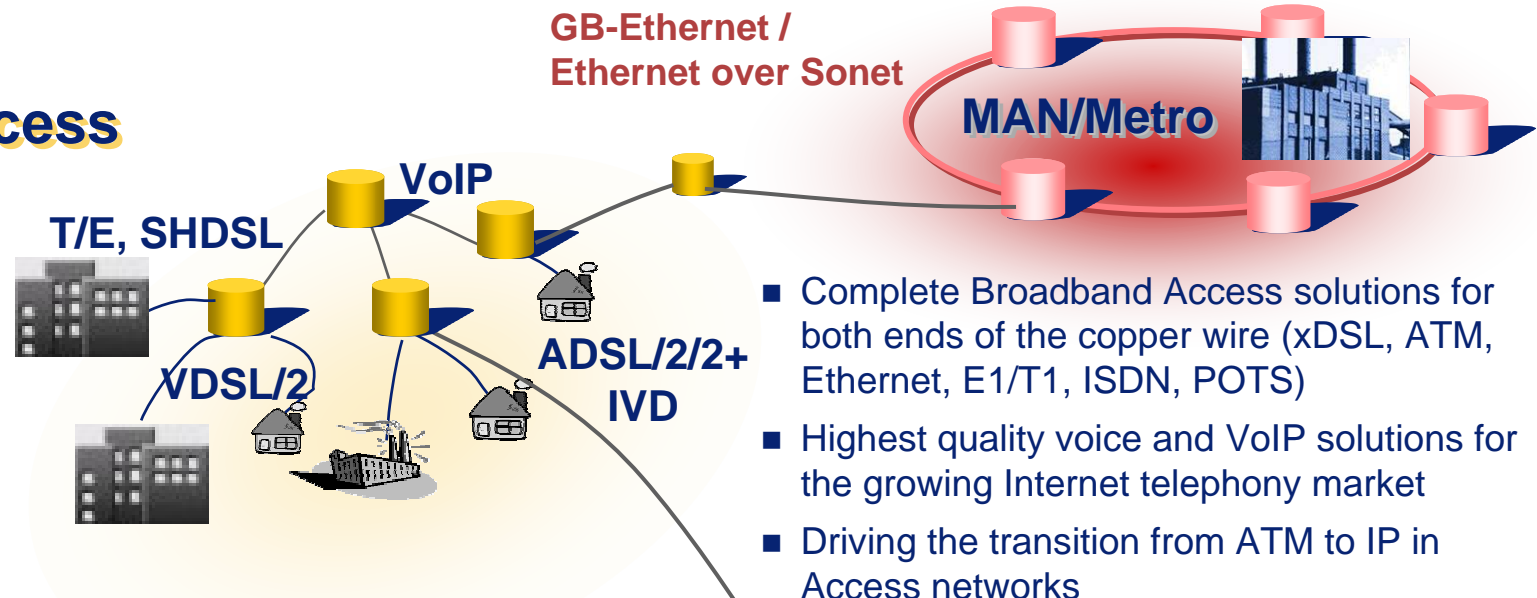
- Complete IP phone SW/HW package
- Scalable solutions that fit all country requirements



stop thinking
Never

Broadband access – End to end broadband access and CPE solutions

Access



- Complete Broadband Access solutions for both ends of the copper wire (xDSL, ATM, Ethernet, E1/T1, ISDN, POTS)
- Highest quality voice and VoIP solutions for the growing Internet telephony market
- Driving the transition from ATM to IP in Access networks

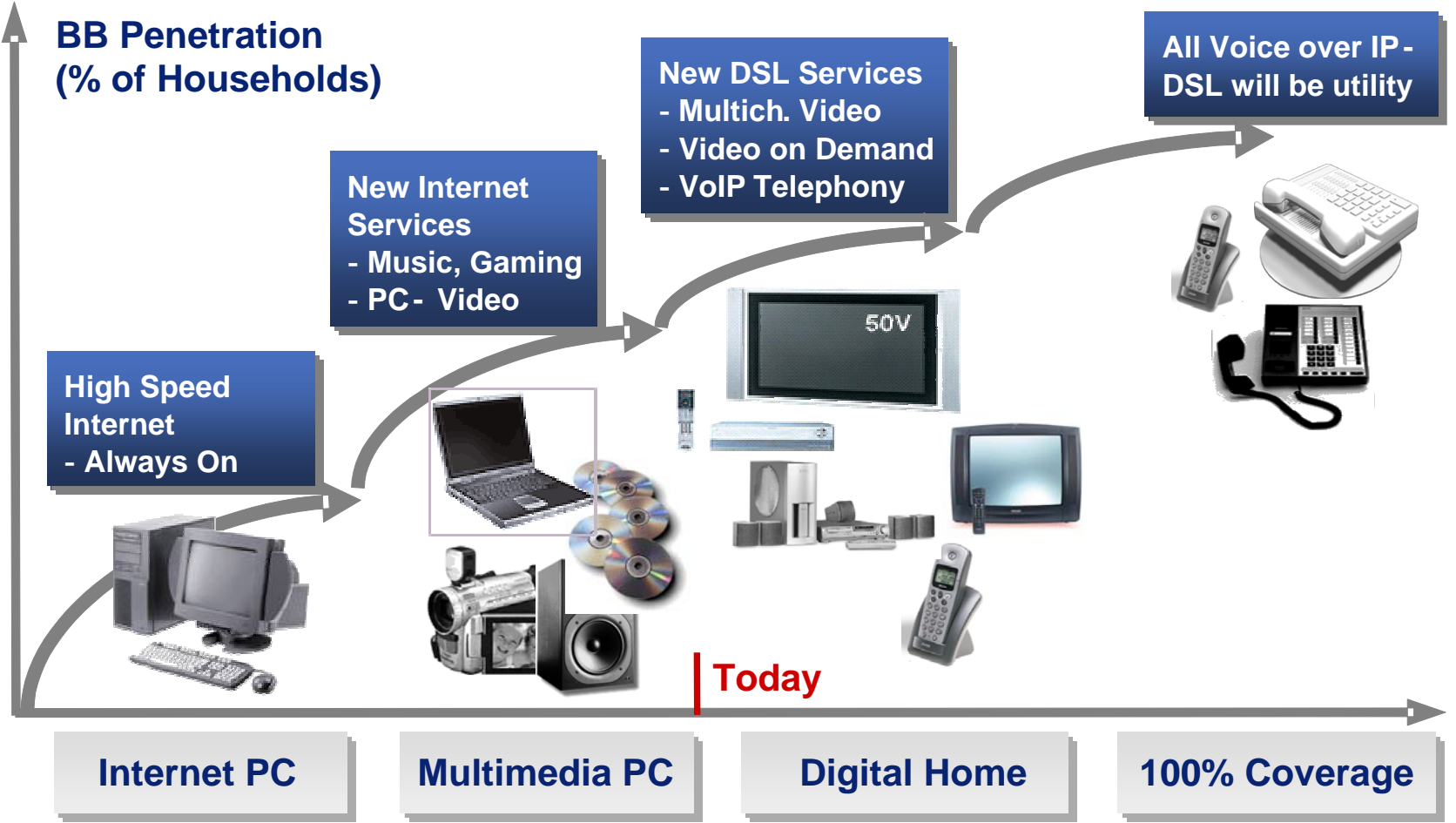
Broadband CPE



- Extensive product portfolio for all customer premises equipment applications including WLAN enabled xDSL routers, VoIP gateways, storage gateways and multimedia applications
- Complete, fully functioning reference designs for a wide range of CPE applications

Broadband access - DSL semiconductor market growth is strongly driven by Voice over IP (VoIP)

Broadband Markets



RF connectivity

Focus areas

Never stop thinking

RF Engine

- GPRS / EDGE: Lowest cost solution by using Infineon RF CMOS and 3rd party Power Amplifier and Frontend
- CDMA 2000 : World's 1st Single Chip CMOS RF SMARTi CD for CDMA 1X
- Multimode UMTS/EDGE: Scalable RF engine solution to address multiband WDCMA requirements
- Full Radio Module: RF engine modules using CMOS RF in coop. with partner
- GPRS World's 1st CMOS Single Chip BB+RF EGOLDradio

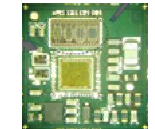
RF Engine



Monolithic BB+RF



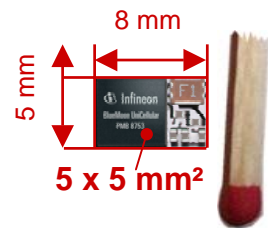
RF Module



Short Range Wireless

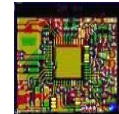
- Leading position in DECT/WDC. Developing new CMOS single chip
- Strong position in Bluetooth with new Enhanced Data Rate solution
- "Hammerhead": first CMOS single chip A-GPS solution in cooperation with Global Locate
- Developing low power W-LAN solution for mobile applications

Bluetooth



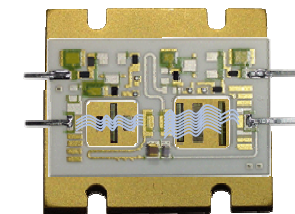
Tuner Systems

- Leader in the terrestrial market segment with the digital Tuner "TUA6034"
- Focus on the portable and mobile segments with new low power digital tuners for Laptop / PC and Mobile Phone applications with TUA6041 (alignment free) and TUA6045
- Continue to supply and service the analog tuner market segment



RF Power

- Product offerings for radio base stations including RF modules, RF ICs and RF Power Transistors & modules
- No. 2 in high-power RF transistors
- State of the art RF power LDMOS technology and thermally enhanced packaging



RF connectivity Product portfolio

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Applications

Product Features

RF engine **PC Cards**



Mobile phones



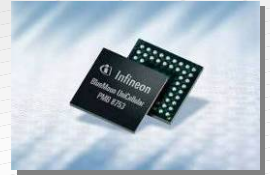
- FTA compliant RF engines
- Leading edge comprehensive RF CMOS Transceiver portfolio for all mobile system standards
- Highest level of integration + lowest Bill of Material (BOM)



Bluetooth
WLAN
GPS
DECT



- Bluetooth CMOS-single chip for enhanced data-rate
- Low power voice centric WLAN solution for phones
- Fully Integrated CMOS solution for GPS-A
- Step 8 enhanced feature sets followed by DECT single chip



Tuner **Setup box**

PDA

Car TV



- Tuner ICs for fixed, portable and mobile TV reception
- Analog and Digital Cable/Terrestrial TV reception
- Analog (PAL, NTSC) and Digital (DVB-C/T, ISDB, ATSC, DAB) TV standards
- Low voltage and low power consumption
- Digital China Terrestrial, T-DMB standards in focus

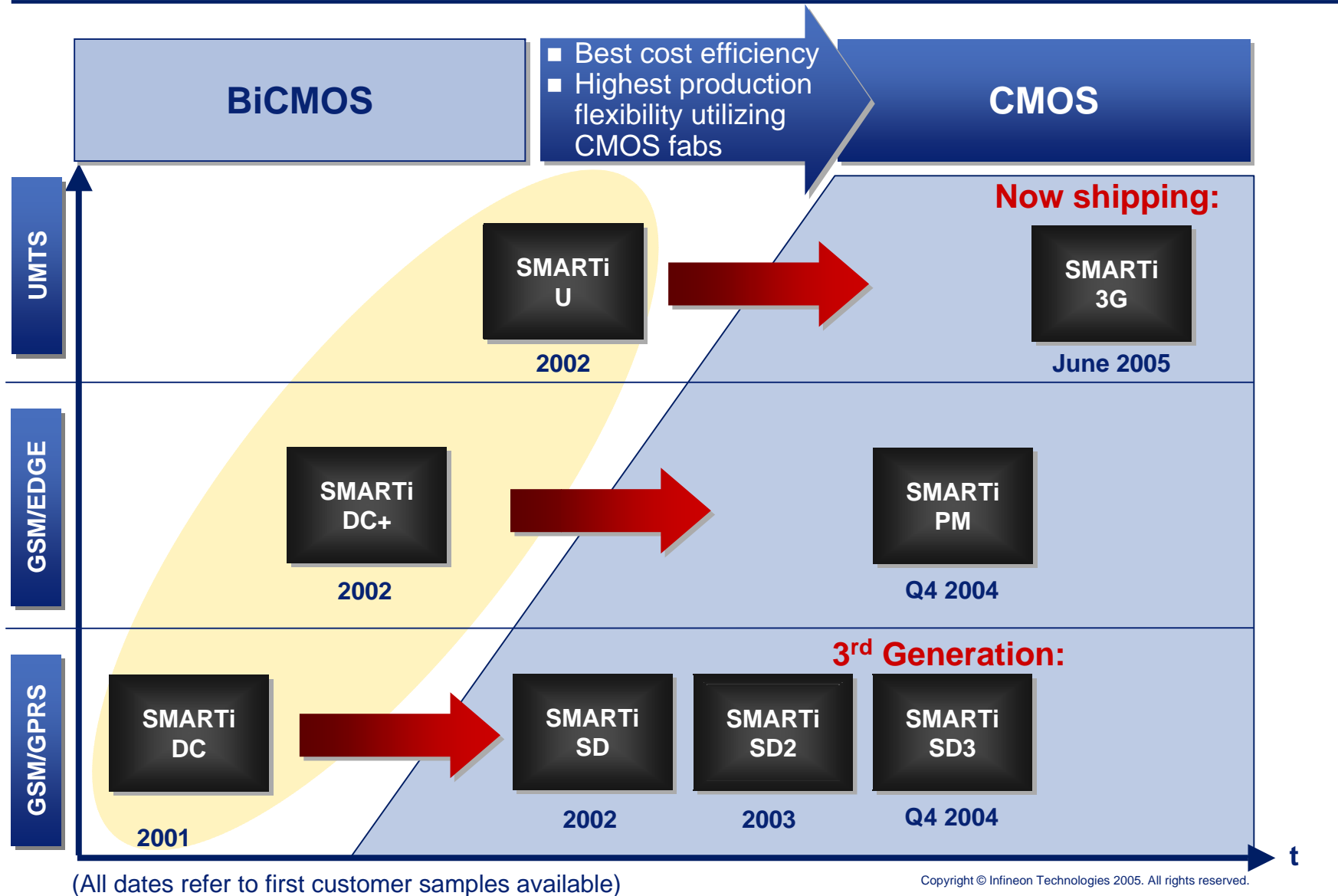
RF- Power amplifiers
Cellular basestations
Broadcast
Wi-Max

- Power levels from 10W up to 300W
- Frequencies from 450 MHz up to 2700 MHz
- Ceramic and plastic molded packages



RF connectivity

Leading RF transceivers' transition to CMOS



CMOS RF enabling the path towards highest integration

Monolithic integration of baseband & CMOS RF transceiver

2004

RF CMOS transceiver:

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

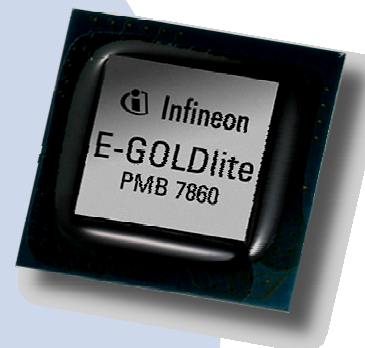
Baseband:

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



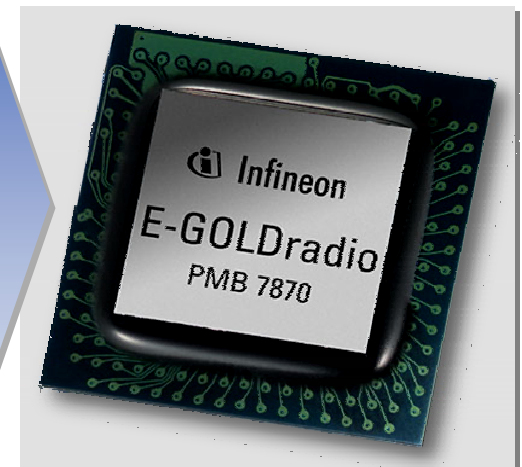
Customer benefits:

- Lower system cost
- Smaller PCB area
- Less complexity



2005

Single-chip: RF and baseband



Mobile phone Product portfolio

stop thinking
Never

Applications

Product Features

**SMART
Phones**
Open OS



- Video conferencing / Video streaming
- Video recording with preview
- High-speed browsing
- 3D sound/3D gaming
- Advanced J2ME features
- UMTS reception diversity



**MultiMedia
Phones**
MP-E/U
Camera



- 2 MPix Still Picture Camera
- Video Playback / Recording
- Video Streaming w/o companion
- MPEG4, H.263, MP3, AAC++
- Voice recording / recognition

**Low-End
Feature Phones**
MP-1G
Apoxi

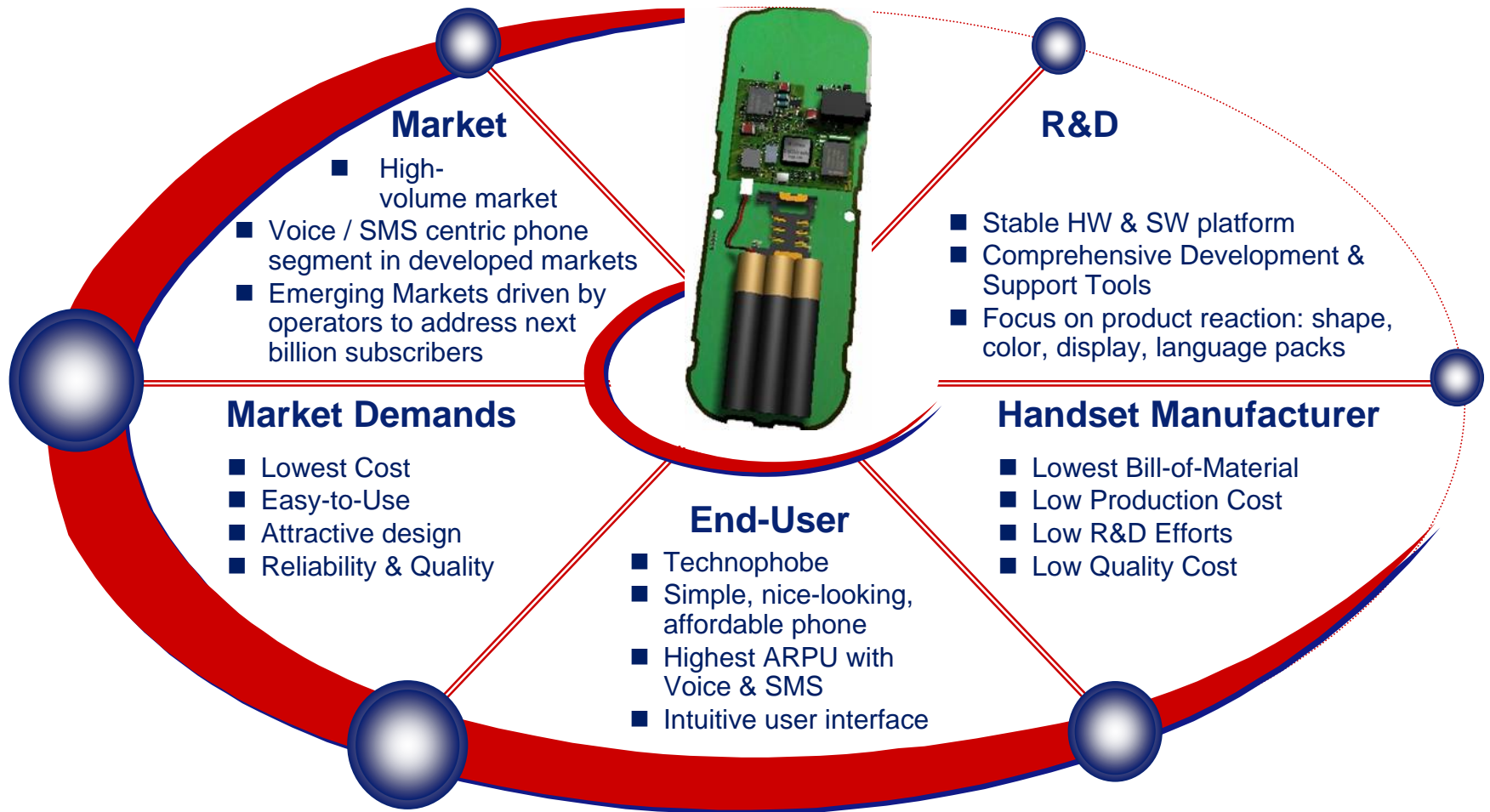


- VGA Camera Module
- Polyphone Ringer: up to 40 voices
- Video: MPEG-4/H.263 play/Record
- Codecs: FR / HR / EFR / NB-AMR
- Connectivity: IrDA, USB 2.0, Bluetooth



Mobile phone

Infineon's ULC platforms meets all market requirements



Infineon's contribution:

ULC platform enables mobile phones' BOM for < 20 USD

Component cost

- Highest level of integration: single-chip E-GOLDRadio
- Optimization of external components
 - Minimum of memory: only 2 MByte Flash
 - Supports standard Ni-MH AAA-cells
 - Combined headset/charger connector
 - 4-layer PCB
 - Linear Charger



Manufacturing cost

- Low component count of less than 100 components on PCB
- Reduction of manufacturing time: Single-sided mounted PCB
- Reduction of test time: Calibration time reduced from 60s to 1s
 - Lowest field-return rate

Optimized Total Cost

R&D cost

- Stable and mature E-GOLDRadio platform
- Comprehensive Development & Supporting tools
 - Graphical MMI with small memory footprint
 - Support for unicode, bi-directional based languages and dialects

Portfolio cost

- Different memory options for
 - Color display support
 - Ring tones, personalization
 - Language packages
- Migration path to Entry Phone platform BP3 and next generation ULC platforms

Strong commitments for customers success

Customer Commitment

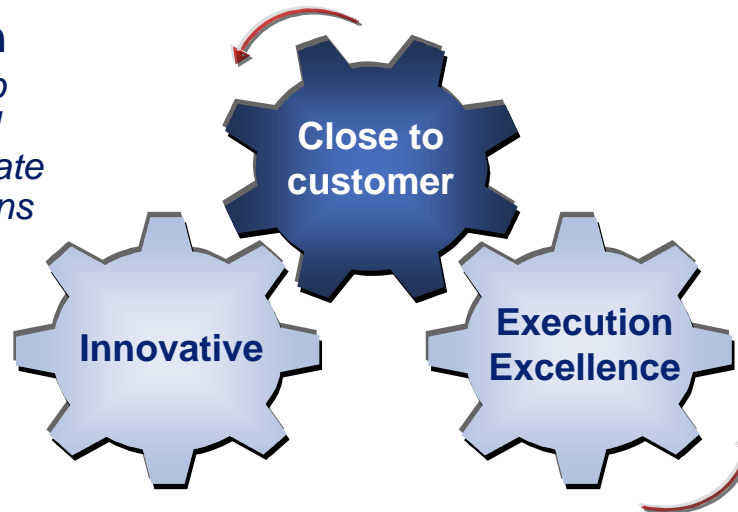
We achieve sustainable success through partnering with our customers

- Top three position in worldwide markets for voice and data access over copper infrastructure enables customers to expand and succeed in access and broadband CPE
- Leading positions in wireless (RF + GSM/GPRS baseband)
- Focused investment in strategic business areas

Product Innovation

We team up with top industry players and organizations to create best-in-class solutions

- Innovative, power/cost efficient xDSL, ATM, Ethernet, VoIP, analog voice portfolio
- Industry-leading RF chips/chipsets, integrated platform solutions (single-chip phones)
- Worldwide presence of COM design resources

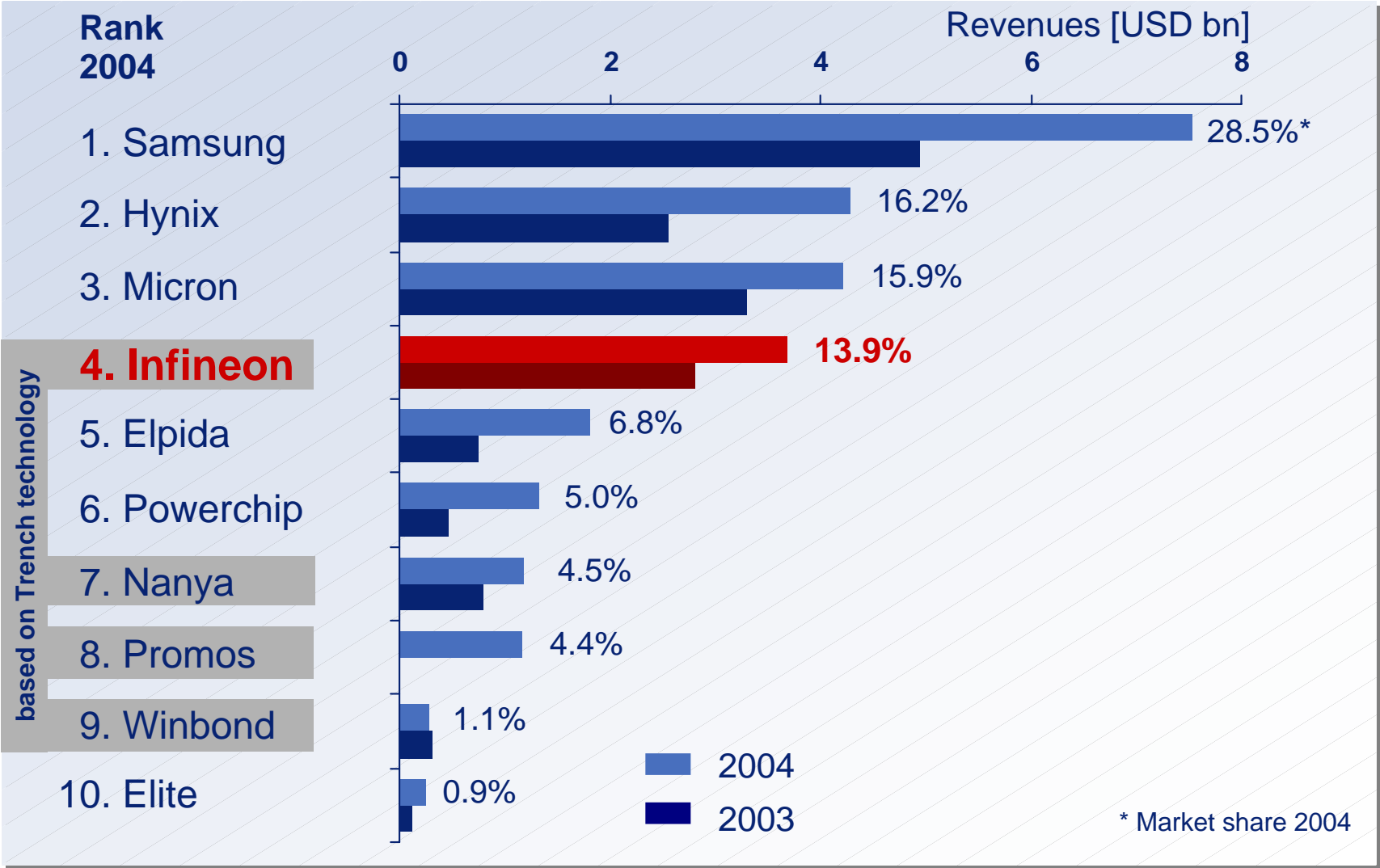


Execution Excellence

We cover the complete semiconductor value chain and guarantee maximum flexibility in development and production

- Deep understanding / know how related to complexity of data/voice/video over copper wire infrastructure
- Best in class cost position for RF CMOS
- Software / hardware integration IP and system knowledge

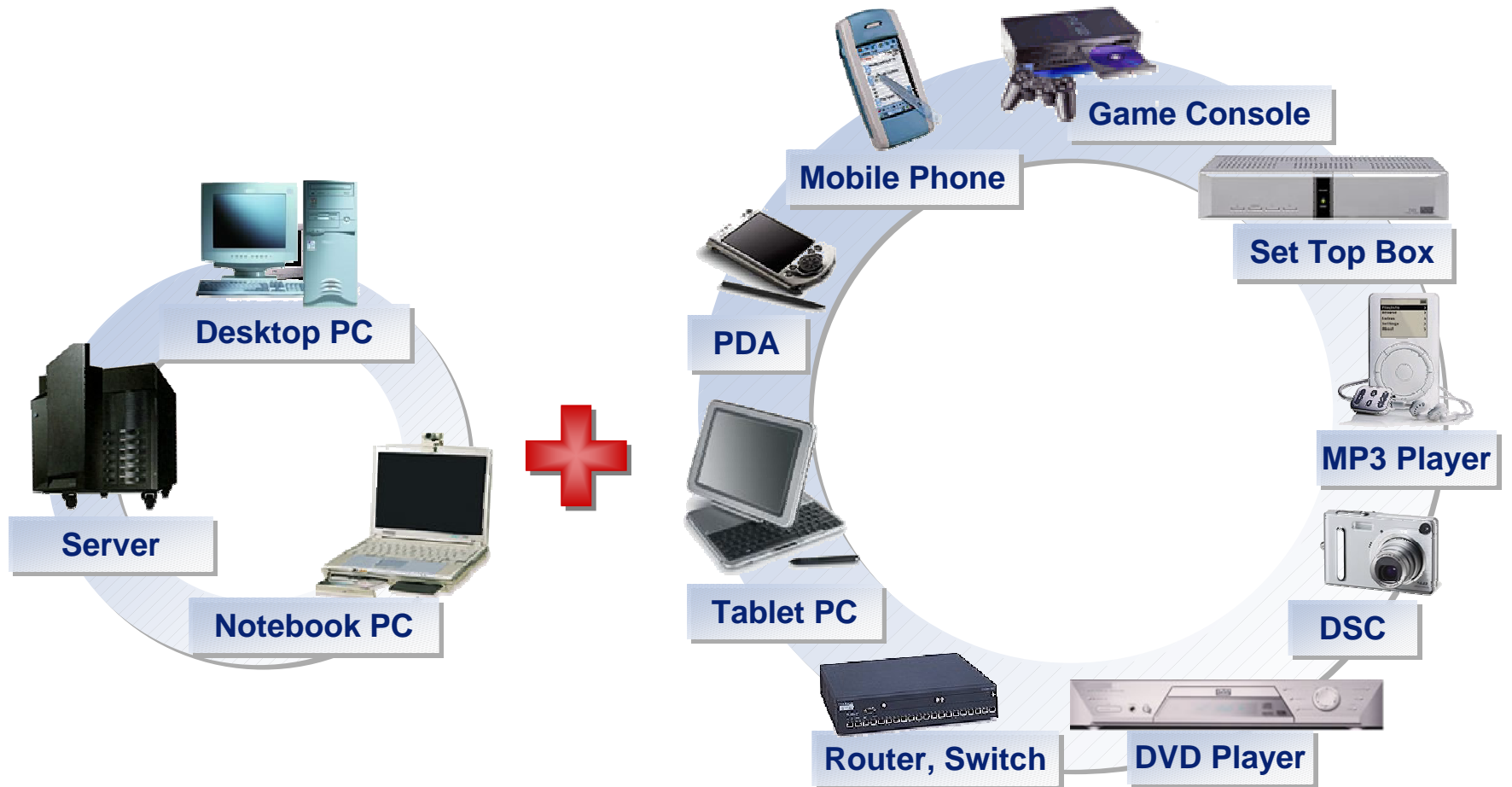
Worldwide DRAM Revenue Ranking 2004 and 2003



Source: iSuppli, March 2005

stop thinking
Never

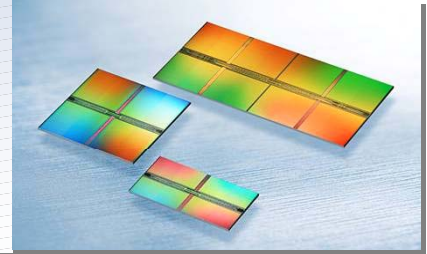
The market place – new Memory applications



MP – strengths

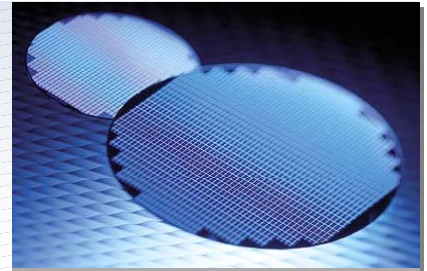
Technology leadership

- Commercial production based on 90nm technology started: 512M DDR and 512M DDR2 products on 90nm available
- First product prototype on 70nm technology



Manufacturing leadership

- Most advanced global fab cluster
- Leader in manufacturing on cost efficient 300mm wafers



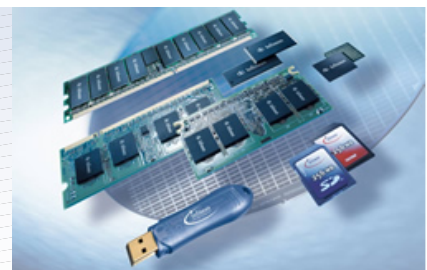
Strong technology and manufacturing alliances

- Joint technology development to improve economies of scale
- Improve market position with reduced capital requirements
- Flexible capacity increase through foundries



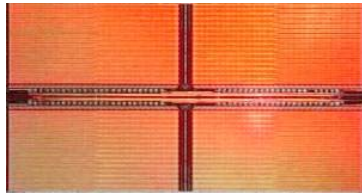
Expanding product portfolio

- Expanding module portfolio for mobile PCs and infrastructure
- Increasing focus on consumer and specialty DRAMs
- Including expanding portfolio for NAND-compatible Flash



DRAM technology roadmap

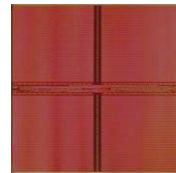
2004 – 110nm



256M DDR 110nm

- Early adoption of 193nm lithography

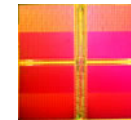
2005 – 90nm



512M DDR 90nm

- Key innovations:
Bottle shaped trench
New cell layout
- Commercial production started Q2 2005

2006 – 70nm



512M DDR2 70nm

- First prototype on 300mm available

DRAM fab cluster

DRAM Fab Cluster

Frontend

Dresden 200 + 300mm	Richmond 200 + 300mm	Inotera 300mm	200 + 300mm	200 + 300mm

Identical Technology Roadmaps

Global Process Synchronization and Quality Control

Best Practice Sharing and Fast Ramps

Backend

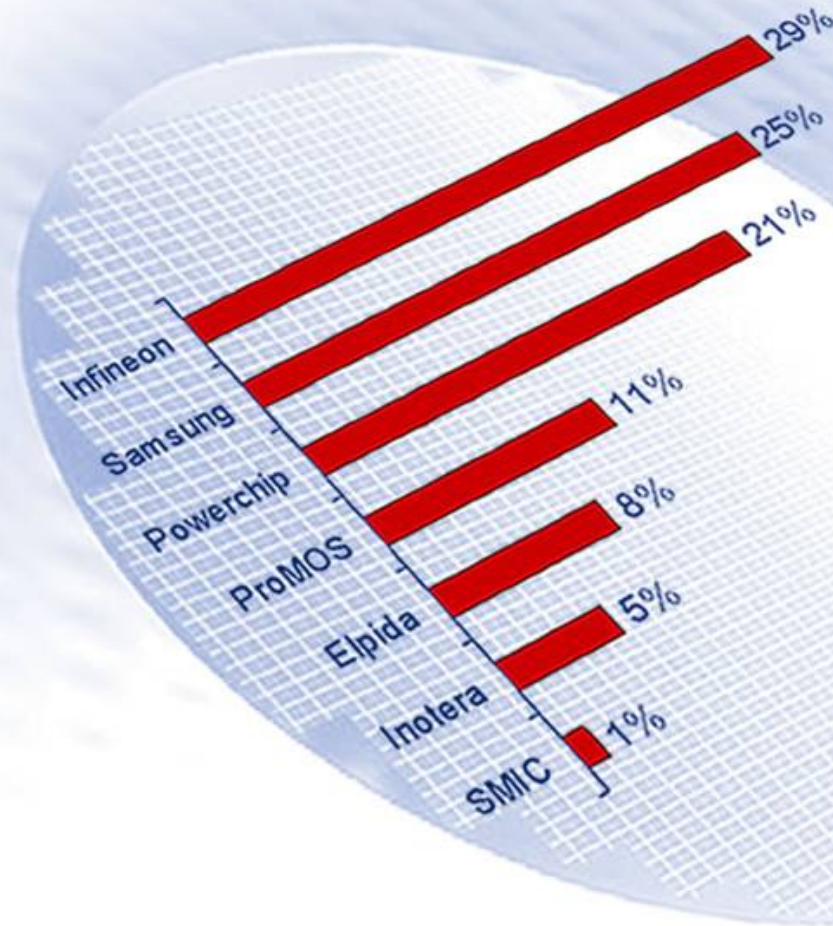
Dresden	Porto	Malacca	Suzhou			

One (virtual) Fab to the Customer


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Leader in 300mm DRAM manufacturing

2004 Annual 12-inch Wafer Production Market Shares



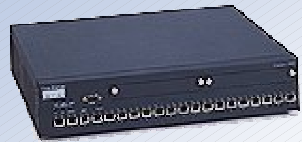
The new organization of Memory Products: Focus on applications and market segments

Business Units	Computing	Graphics	Consumer & Mobile		Flash
Application (Selection)	<ul style="list-style-type: none"> ■ Desktop PC ■ Notebook PC ■ Server ■ Workstation ■ Storage ■ Networking 	<ul style="list-style-type: none"> ■ Graphics ■ Game Console ■ Game Handhelds 	<ul style="list-style-type: none"> ■ Mobile Phones ■ Set-Top-Box ■ DVD Players & Recorders ■ DSC ■ MP3 Players ■ Car Navigation ■ PDA ■ Digital TV ■ Peripherals 	<ul style="list-style-type: none"> ■ Desktop PC ■ Notebook PC ■ Workstation 	<ul style="list-style-type: none"> ■ Mobile Phones ■ DSC ■ MP3 Players ■ USB Drive ■ PDA ■ Flash cards
Drivers	Replacement Performance Internet Infrastructure Bandwidth Data Warehouse	Performance Digital Lifestyle 3D picture New games	Mobility Digital Lifestyle Low-Power Info Mgmt. Content Download	Performance Emerging markets White boxes	Data Storage Digital Lifestyle Mobility

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 never

Computing Portfolio

Applications



Router, Switches



Desktop PC
Workstation
Notebook PC
Sub-Notebook PC

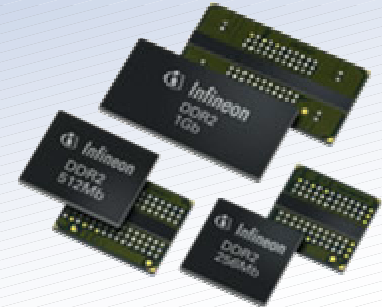


High-End Workstation
Server

Product Features

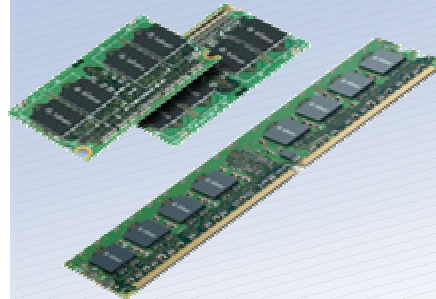
DRAM Components:

- Interfaces: SDR, DDR, DDR2
- Densities: 128MB – 1GB
- Organizations: x4, x8, x16
- Packages: TSOP, FBGA
- Speeds: PC133 – DDR2-533



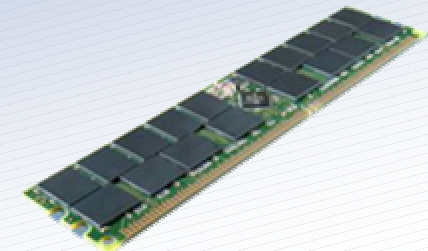
Unbuffered and SO-DIMMs:

- Interfaces: SDR, DDR, DDR2
- Formfactors: Unbuffered, SO-DIMM, MicroDIMM
- Densities: 128MB – 2GB
- Speeds: PC2100 – PC2-4200






Registered Modules:

- Interfaces: SDR, DDR, DDR2
- Formfactors: Registered, FB-DIMM
- Densities: 128MB – 4GB
- Speeds: PC2100 – PC2-4200



Graphics portfolio

stop thinking
Never

Graphics Segment	Features	Products
<p style="text-align: center;">High end</p>	<p>High speed: 500 – 800 MHz</p> <p>High bandwidth: x32</p> <p>Low operating current</p>	 <p style="text-align: center;">512M & 256M GDDR3</p>
<p style="text-align: center;">Mainstream</p>	<p>Advanced speed: 300 – 500 MHz</p> <p>FBGA package</p> <p>Bandwidth: x16</p> <p>Operating voltage 1.8V-2.0V</p>	 <p style="text-align: center;">256M DDR2 (+512M)</p>
<p style="text-align: center;">Value</p>	<p>Mainstream speed: 200 – 300 MHz</p> <p>TSOP package</p> <p>Bandwidth: x16</p> <p>Operating voltage 2.5V</p>	 <p style="text-align: center;">256M DDR (+512M)</p>

Consumer portfolio

Applications



Digital TV



Digital Still Camera (DSC)



Set-Top Boxes



Printer



DVD Player / Recorder

Product Features

Long-term product support with:

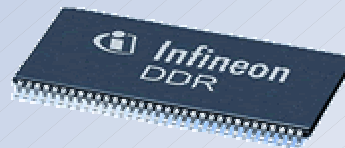
SDR:

- Interface: x16, x32
- Density: 64M – 256M
- Speed: PC133 – PC166
- Voltage: 3.3V



DDR:

- Interface: x8, x16
- Density: 128M – 512M
- Speed: DDR333 – DDR400
- Voltage: 2.5V



DDR2:

- Interface: x16
- Density: 256M – 1G
- Speed: DDR2 533 – DDR2 800
- Voltage: 1.8V



Mobile portfolio

Applications



MP3 player

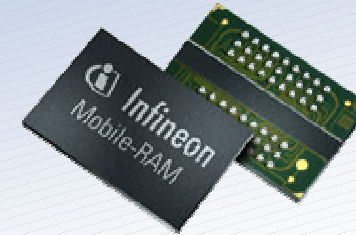
DSC

Smart Phone

Product Features

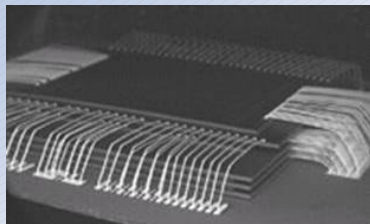
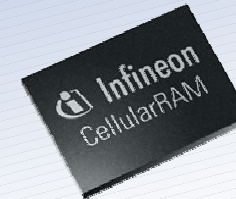
MOBILERAM

- Small form factor
- Ultra low power



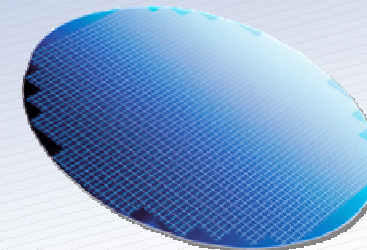
CellularRAM™

- SRAM Performance
- High memory density
- Low DRAM cost level



Multi Chip Package

- Tested Mobile-RAM and CellularRam dies
- MCP specific pad layout



Flash product portfolio

Applications



Product Features

Flash Cards and Drives

- High volume growth segment
- Products: SD-Card and MultiMediaCard, mini SD and RS MMC
- USB Flash drive



Flash Components

- NAND-compatible 512Mbit Flash in a TSOP-package



Second brand for DRAM products

Applications & Market

- Address Whitebox PC market through distribution partners
- Large share and strong growth potentials of Whitebox market especially in emerging economies such as Eastern Europe, Latin America and South East Asia



Product Features

- Desktop PC
 - DDR unbuffered DIMMs
 - DDR2 unbuffered DIMMs



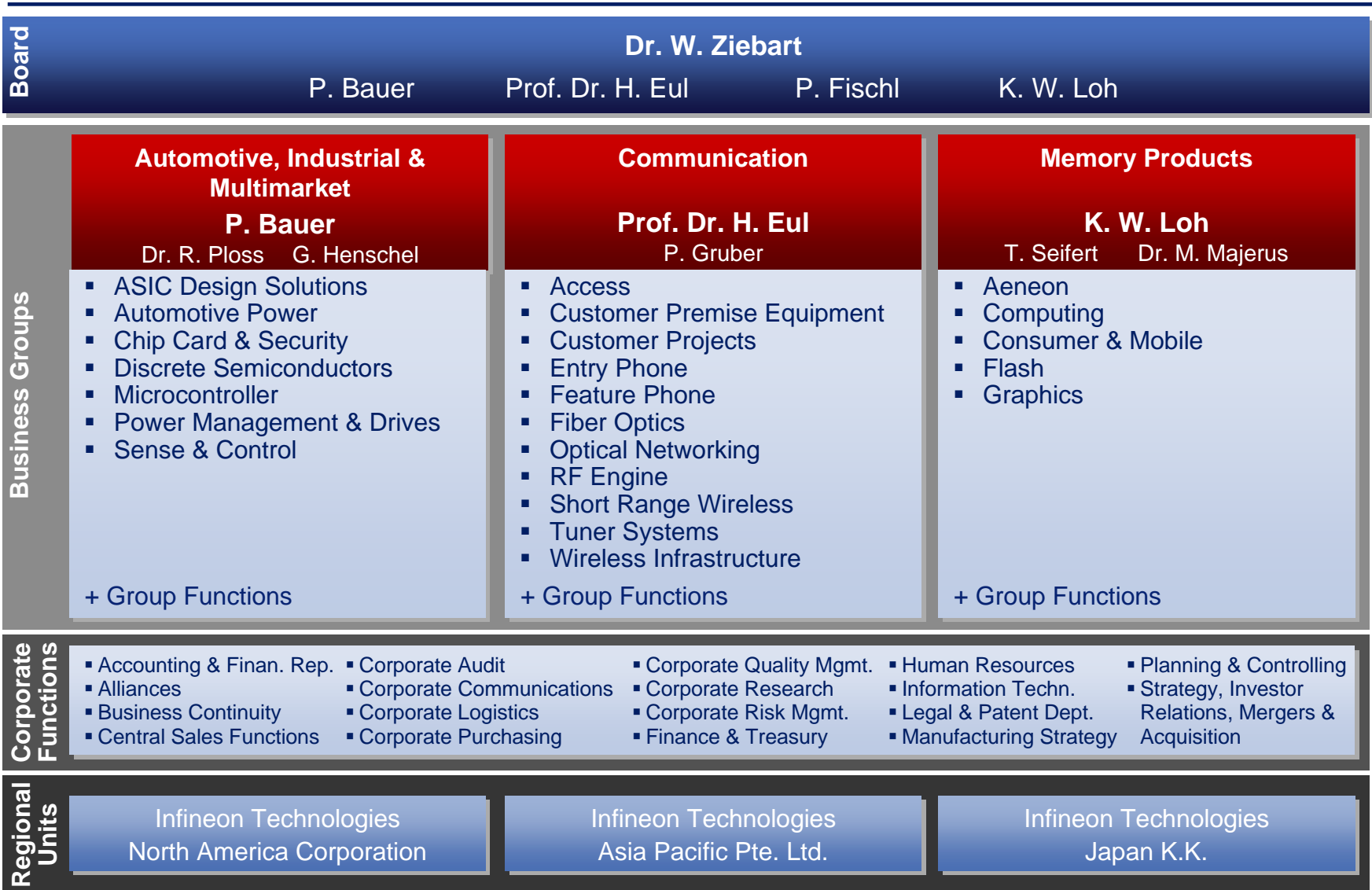
- Notebook PC
 - DDR SO-DIMMs
 - DDR2 SO-DIMMs



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- Market
- Company overview
- Mission
- Business development 3rd quarter fiscal year 2005
- Business groups
- **General company information**

Infineon organization



This chart does not represent the legally binding structure. It can be subject to changes based on the decision of the Management.

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Infineon has 36,151 employees worldwide*

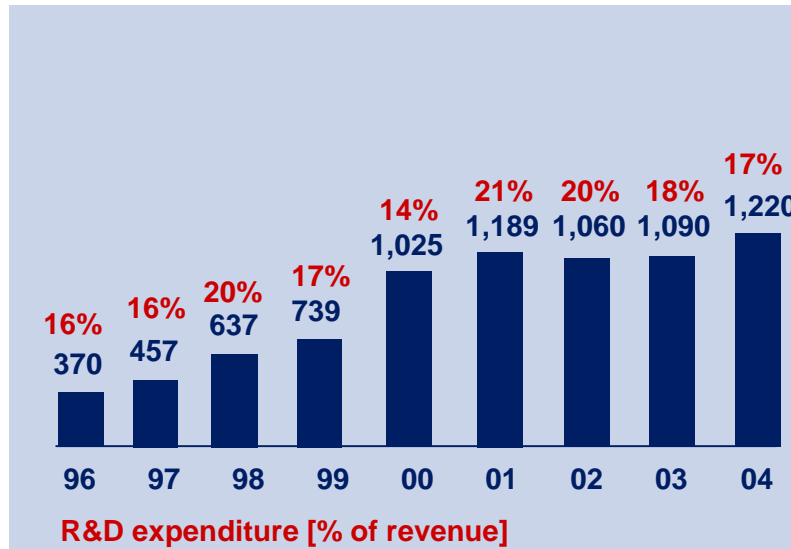


* as of June 30th, 2005

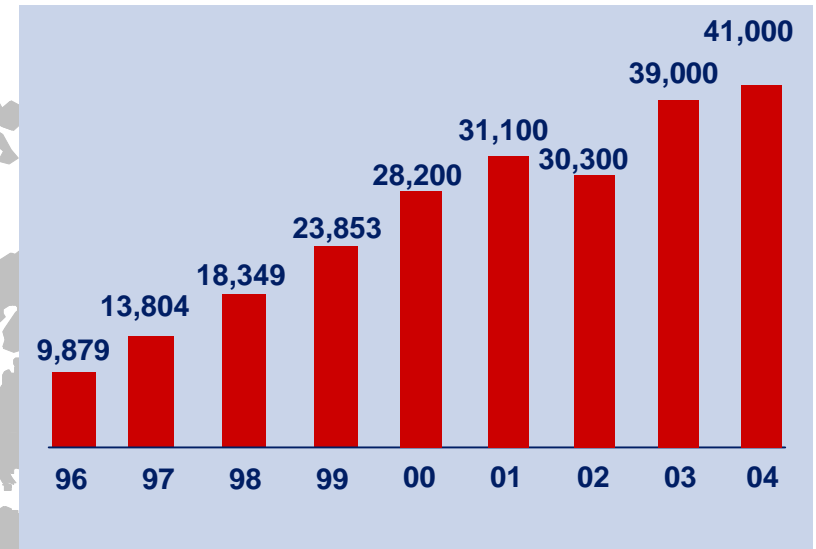
** incl. ESAS MA

Continuous investment in R&D

**R&D Spending
FY 1996-2004 [EUR m]**

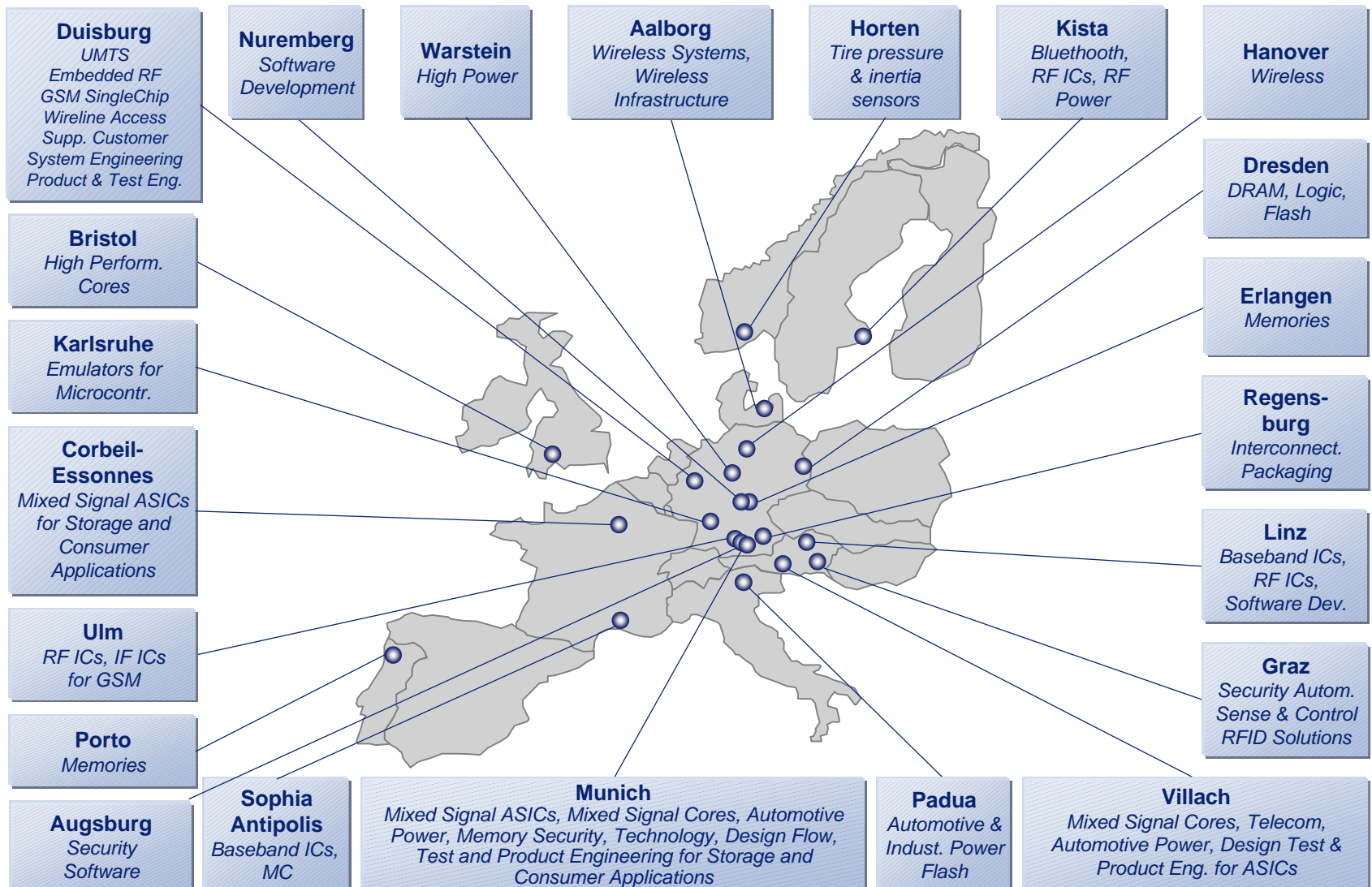


**No. of Patents and Patent
Applications (FY 1996-2004)**

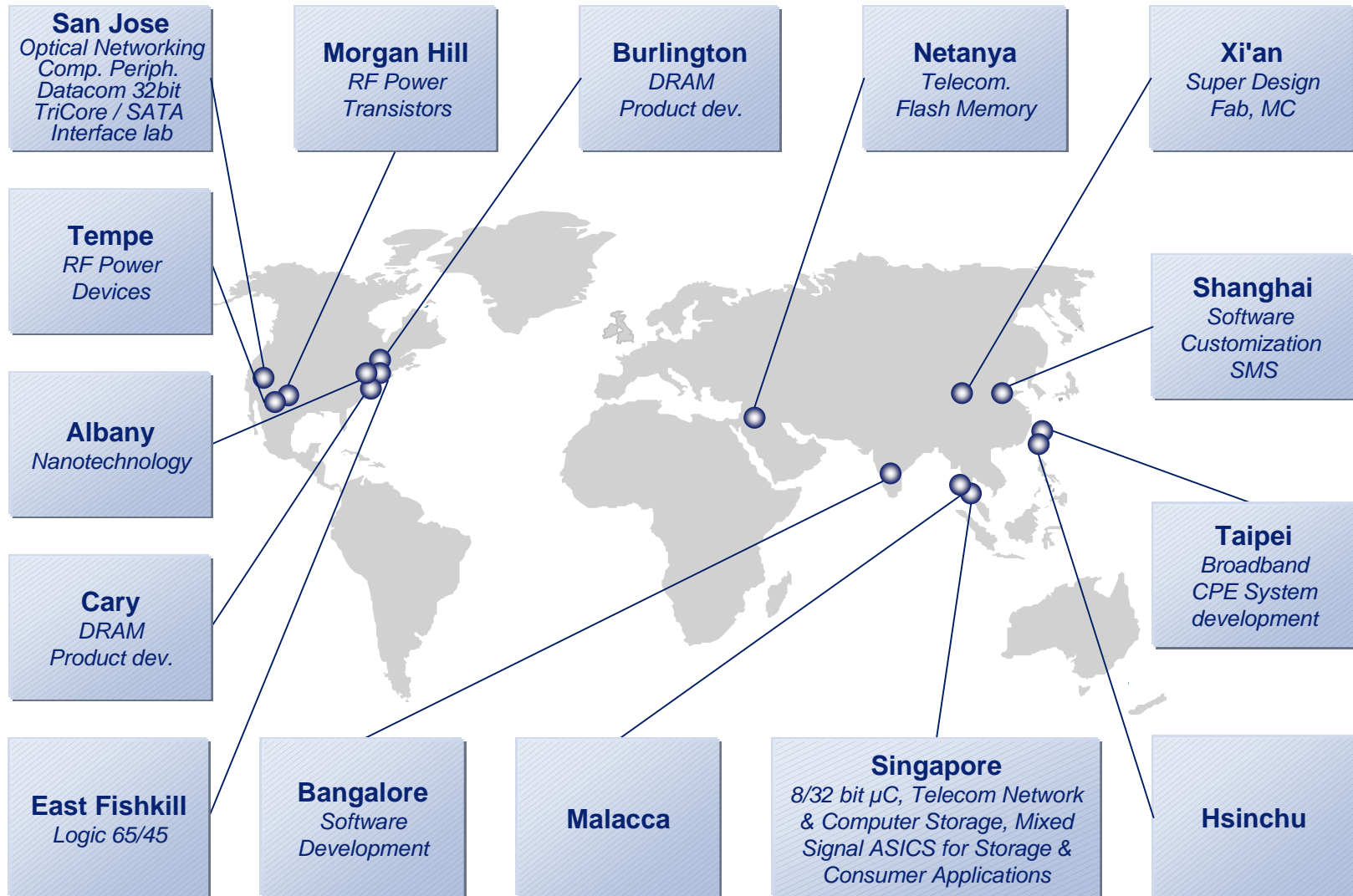


- About Euro 1.2 billion for R&D expenditure in FY 2004
- More than 35 major R&D locations worldwide
- 7,300 R&D employees
- Currently about 41,000 patents / patent applications

Infineon – R&D network in Europe

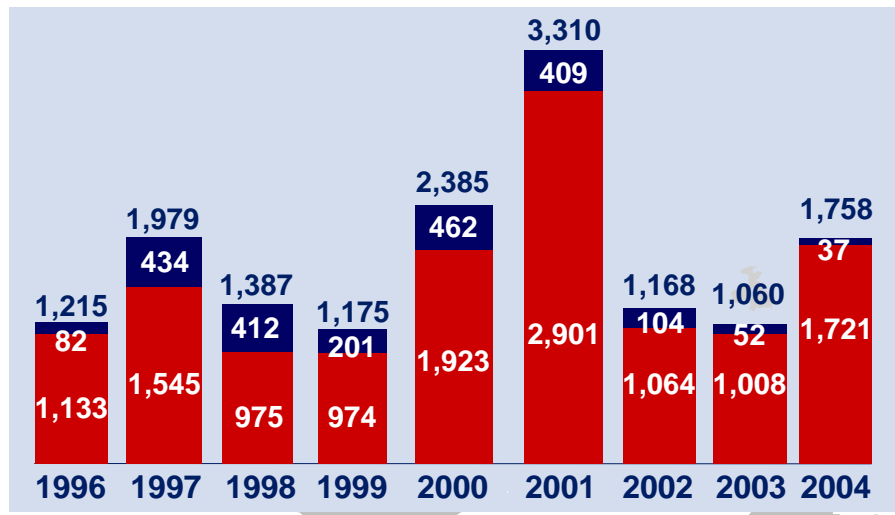


Infineon – Worldwide R&D network (excluding Europe)



World-class manufacturing sites on 3 continents

Investments FY 1996-2004 [EUR m]



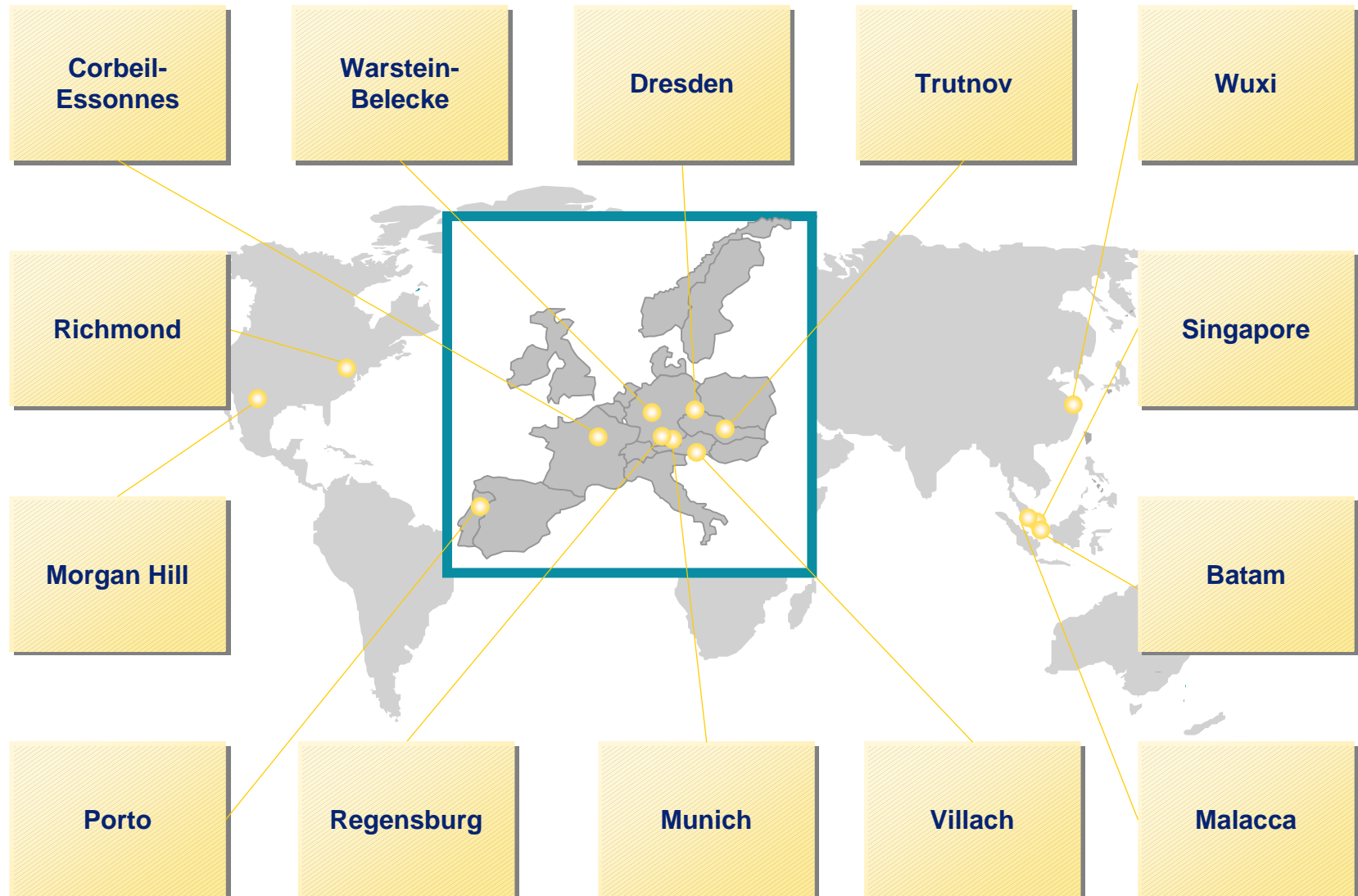
■ Investments of at-equity-consolidated companies
■ Investments Infineon Technologies

8/12" Production Sites

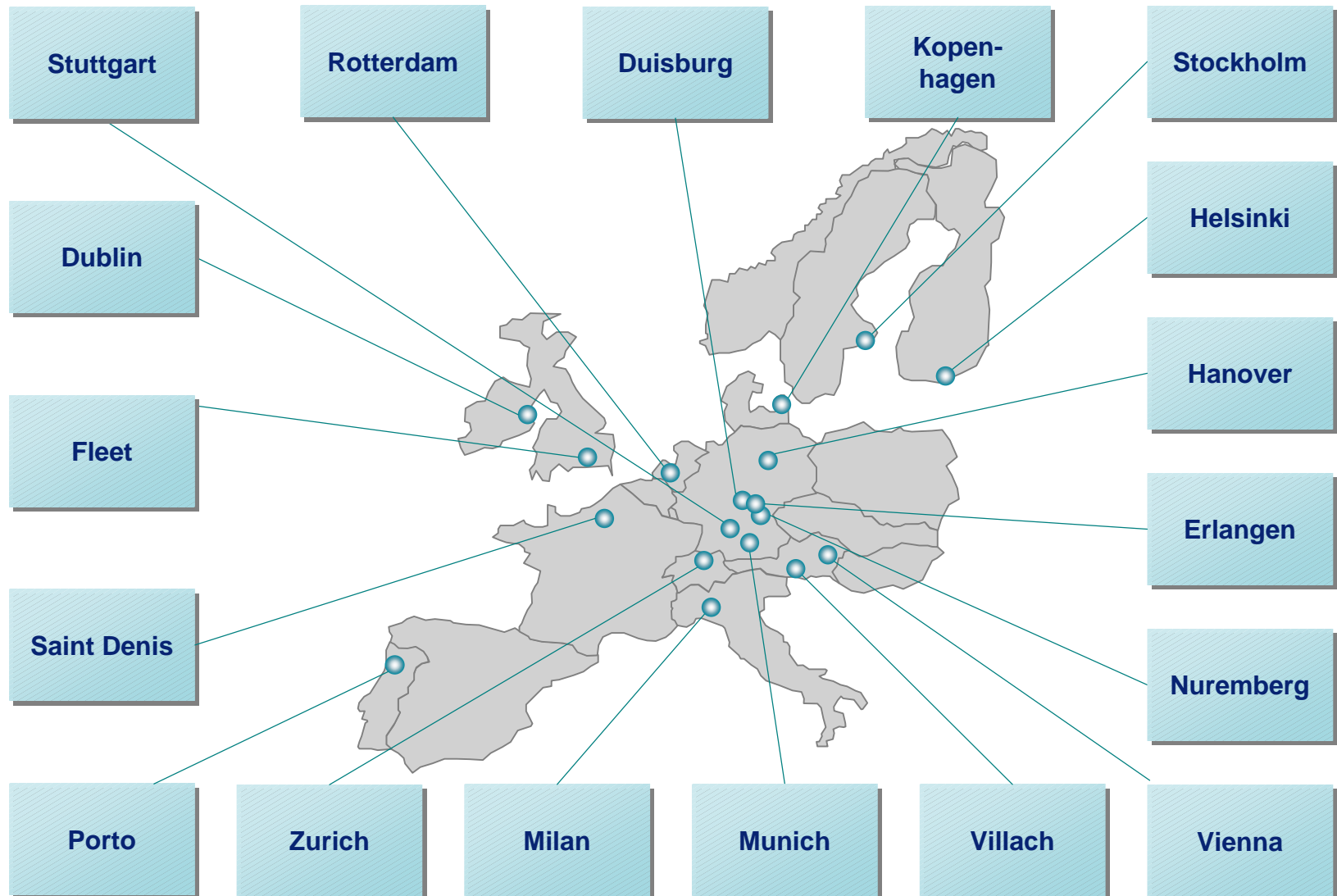
- 1996** Dresden (Germany) opened (DRAM and Logic)
- 1998** Richmond (Virginia, USA) opened (DRAM)
- 1999** ALTIS (Essonnes, France) JV with IBM founded (Logic)
- 2001** Dresden (Germany) 300mm module opened
- 2003** Inotera Memories (Taiwan), JV with Nanya: 300mm module opened
- 2004** Expansion Richmond to 300mm production

More than 10 production sites (wafer manufacturing, assembly and testing)

Infineon production sites



Infineon sales offices in Europe



Infineon sales offices worldwide (excluding Europe)



Comprehensive and sustainable environmental, safety and health concept at Infineon

Synergy between ecological responsibility and economic success

- EN ISO 14001 multi-site certification
- Efficient resources management in terms of optimized consumption, recovery, recycle and re-use
 - Intelligent waste management and emission reduction
 - Voluntary commitment to reduce green-house gas emissions on global scale
 - Environmental commitments covering development and life-cycle considerations
 - Environmental requirements as part of supply chain management
 - High safety and health standards



For Infineon environmental responsibility means more than just the fulfillment of legal requirements



Green products

- **IFX is running the project "Green Products" since 1998 according to the EU directives.**
- **More than 50% of the total volume in pieces is already converted to "Green".**
- **The main conversion is in 2004 / 2005.**
- **Information about project, technology and conversion roadmaps are available on the homepage:
<http://www.infineon.com/greenproduct/index.htm>**

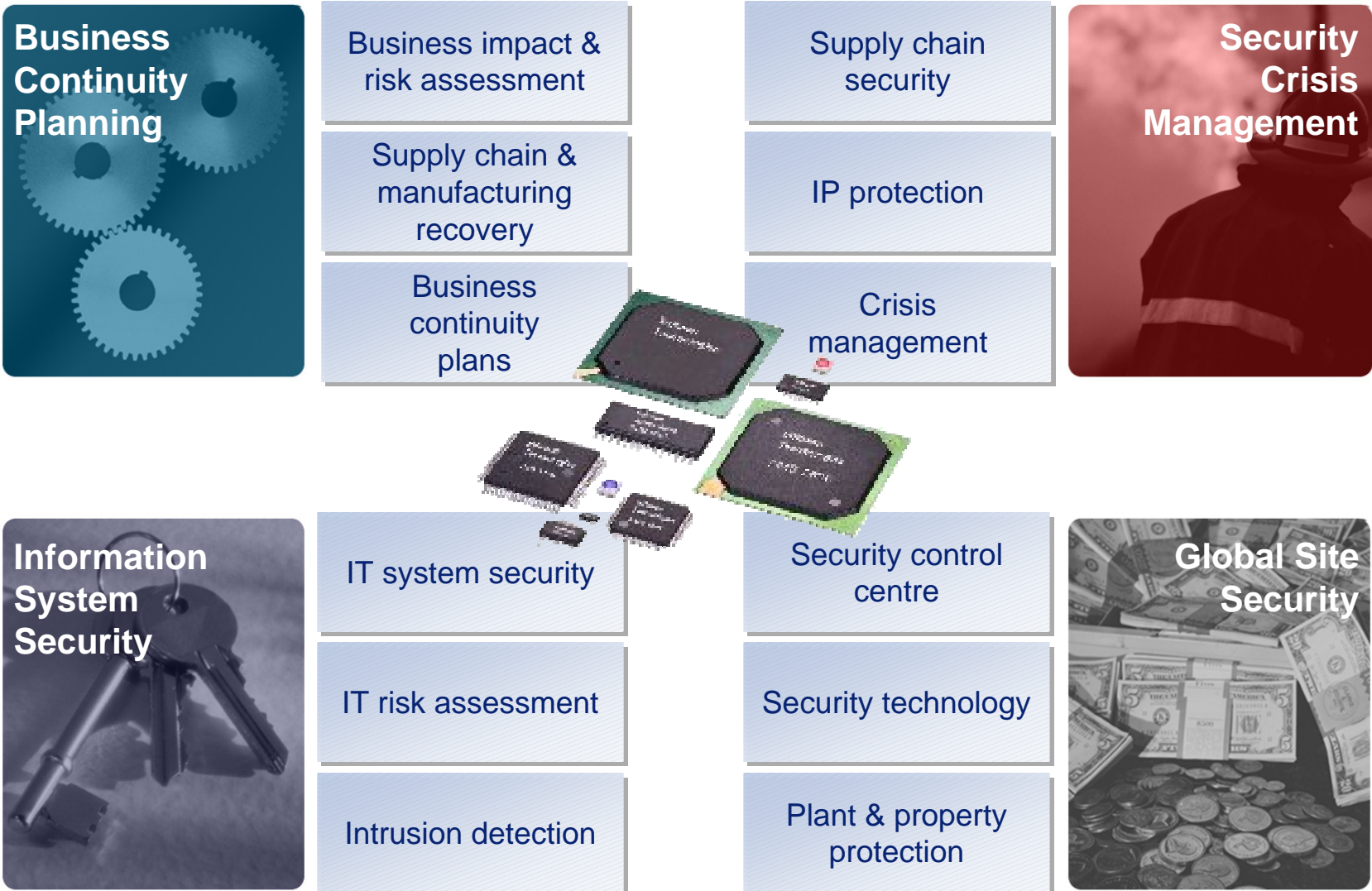


green
Product

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Integrated business continuity, disaster recovery and security at Infineon

stop thinking
Never



Infineon – partner of the worldwide electronics industry

stop thinking
Never

Main Customers

Automotive, Industrial & Multimarket

- Autoliv
- Axalto
- Bosch
- Continental
- Delphi
- Delta
- Denso
- Emerson
- Gemplus
- G&D
- Hella
- HGST
- Kostal
- Lear
- Micronas
- Microsoft
- Motorola
- Oberthur
- Siemens
- TRW
- Visteon

Communication

- Alcatel
- BenQ
- CCT
- Ericsson
- Fujitsu
- Huawei
- LG
- Lucent
- Matsushita
- Motorola
- NEC
- Nokia
- Samsung
- Siemens
- Sony-Ericsson
- Sony
- ZTE

Memory Products

- Acer
- Asustek
- ATI
- Cisco
- Dell
- EMC
- Fujitsu
- Siemens
- HP
- HTC
- IBM
- Intel
- Kingston
- Kreton
- Lenovo
- Nvidia
- NEC
- Spansion
- Sony
- Sun

■ Main channel partners:

Arrow, Avnet, Fujitsu Devices, Silicon Applications

■ Electronic Manufacturing Services:

Celestica, Elcoteq, Flextronics, Hon Hai, Jabil, Sanmina-SCI

Expanding global network: Selected partnerships*

Technology Development

- **AMTC**
(together with AMD & DuPont)
- **Nanya**
- **IBM**
- **Chartered**
- **Samsung**

Chip- & Software Development

- **StarCore**
(together with Agere & Motorola)
- **InterDigital**
- **Emuzed**

Manufacturing

- **SMIC**
- **Winbond**
- **Inotera**
(together with Nanya)
- **Altis**
(together with IBM)

System Integration & Solutions

- **SAP**
- **Huawei**
- **Broadcom**
- **Richtek**

* some of almost 40 Infineon alliances as per September 2004

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Never stop thinking.

