CeBIT 2005

March 10, 2005 - Hannover

Implementing Profitable Growth

Peter Bauer

Member of the Management Board Infineon Technologies



Never stop thinking.



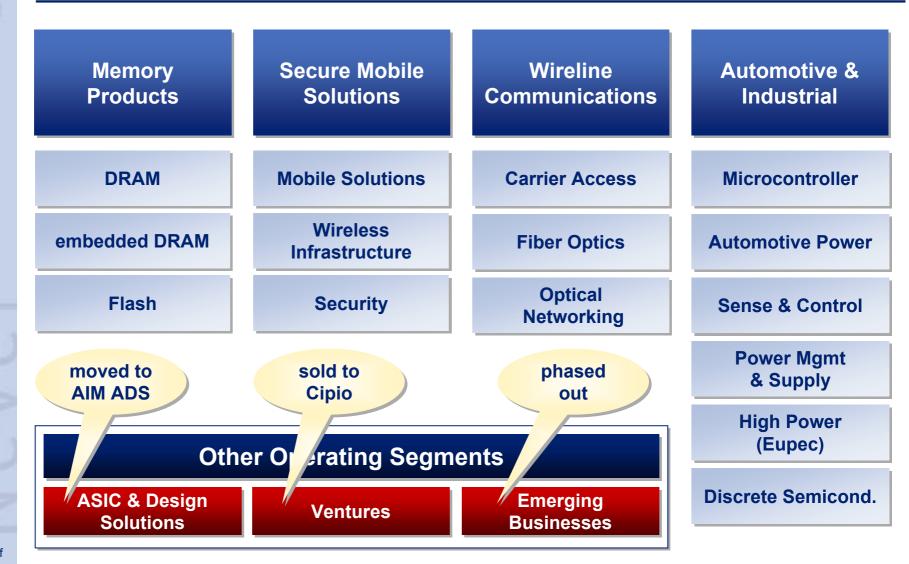
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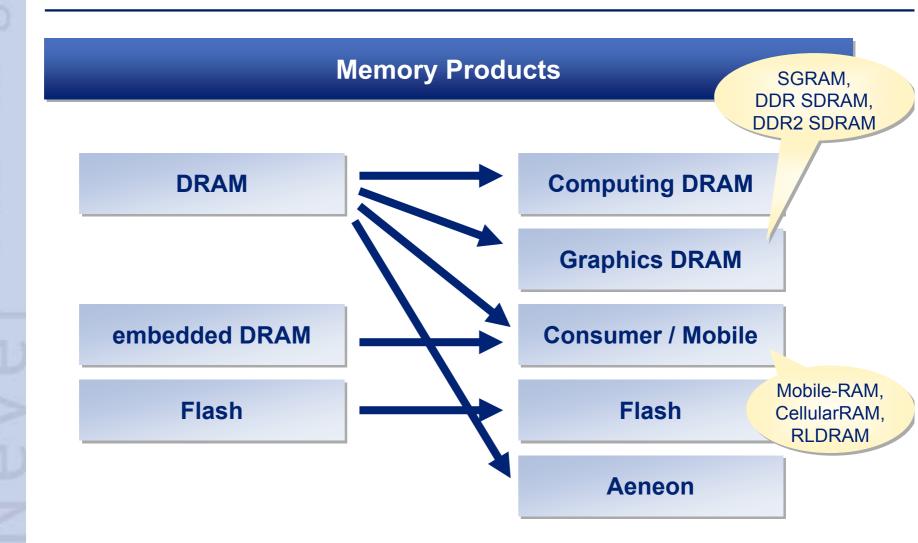
Infineon Technologies as of December 31, 2004: 4 Business Groups; 14 Business Units



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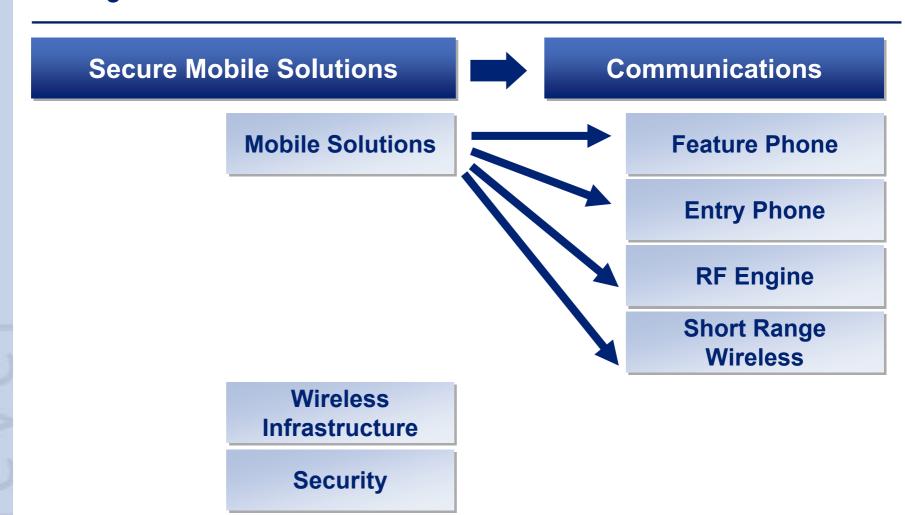
Changes in Memory Products



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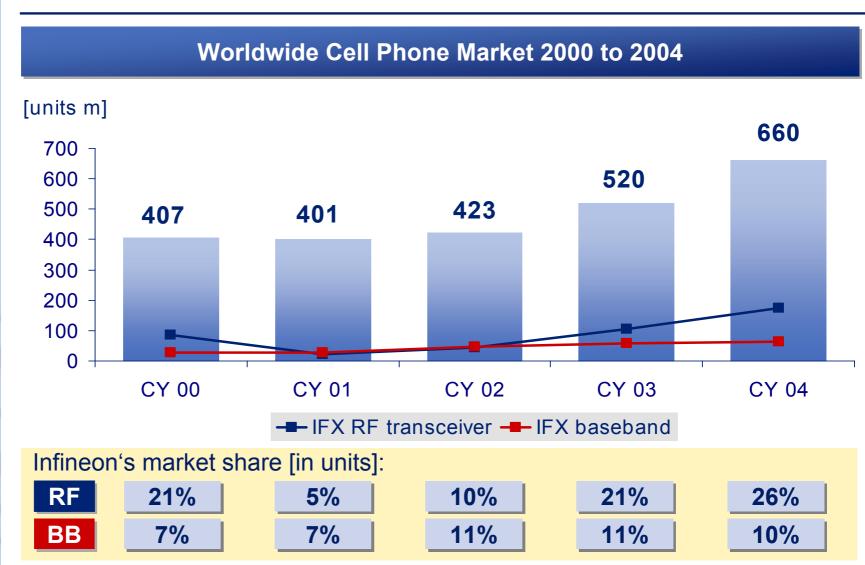
Changes in Secure Mobile Solutions



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Wireless Communication: Cont'd to gain market share in RF transceiver in 2004



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Sources: Market: Gartner, Jan 2005 / Market Share: Infineon estimate, Jan 2005



Successful integration of RF CMOS into baseband: sampling RF baseband system-on-chip for GSM/GPRS

Infineon's single-chip demo-phone at 3GSM 2005



Integrated:

RF transceiver: SMARTi SD2

Baseband: E-GOLDlite

Advantages over 2-chip solution:

30% less board space

■ 30% lower bill of material



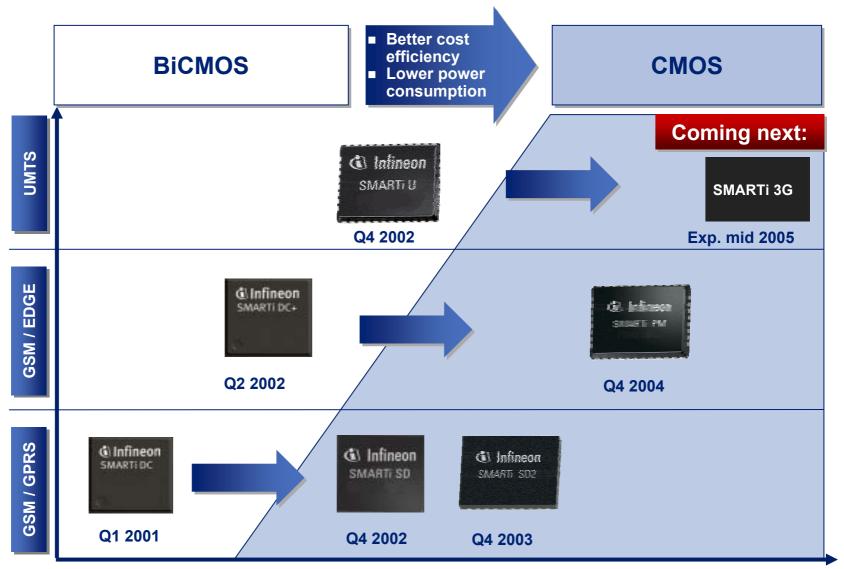
Supported:

- Up to GPRS class 12
- 1.3 megapixel camera
- Dual color display
- Polyphonic ringer
- MP3 playback

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Transition of complete RF transceiver portfolio to CMOS: Paving the way for GSM/UMTS single-chip solutions



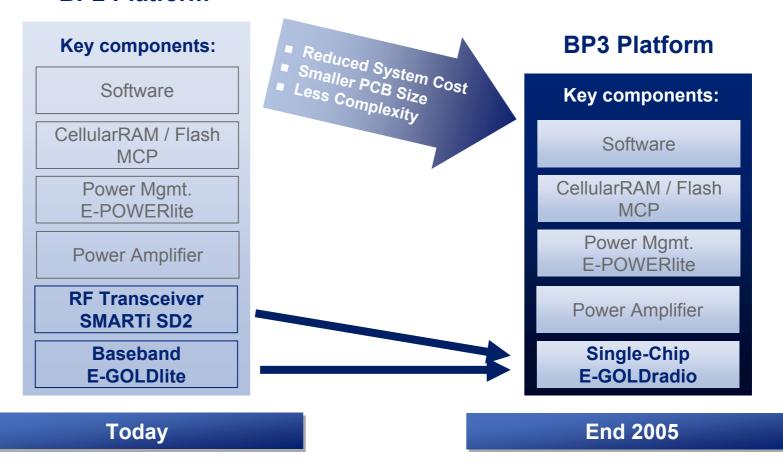
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Dates refer to first customer samples available



E-GOLDradio enables the world's most integrated GSM/GPRS entry phone platform

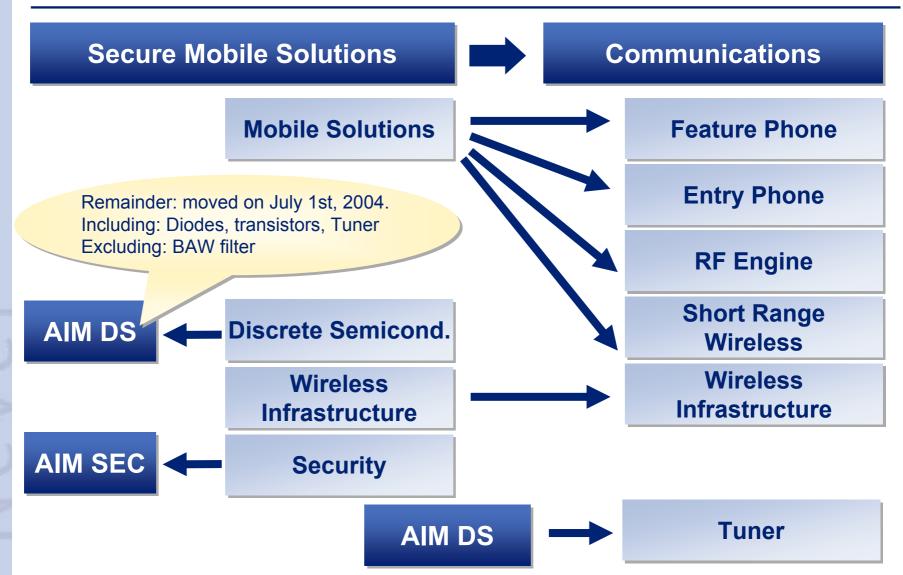
BP2 Platform



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Changes in Secure Mobile Solutions



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Leverage leading position in digital terrestrial TV into mobile TV

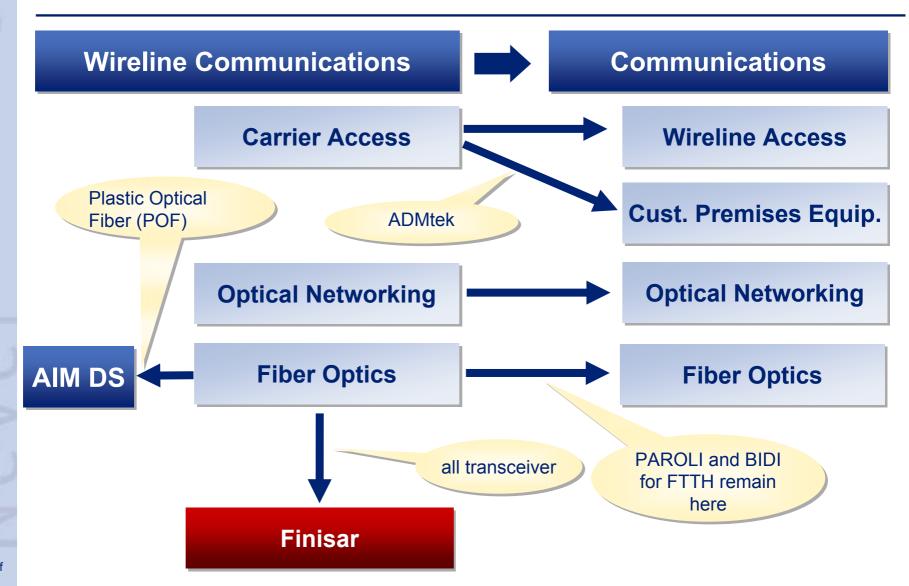
- Infineon is market leader in the fast growing digital terrestrial tuner market (DVB-T standard)
- Our tuner IC products are used in most digital terrestrial standard TV sets, Set-Top-Boxes and world's first PCMCIA card for TV reception
- We intend to leverage this strong position into a complete DVB-H/T-DMB front-end solution
- Infineon to participate in the world's first roll-out of mobile TV in South Korea in 2005 with a tuner IC in a DMB-receiving mobile phone from LG Electronics



World's first terrestrial DMBreceiving mobile phone from LG Electronics*



Changes in Wireline Communications



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Changes in Automotive & Industrial

Automotive & Industrial



Autom., Ind., Multimarkets

Microcontroller

Automotive Power

Sense & Control

Power Mgmt & Supply

High Power (Eupec)

Discrete Semicond.



AIM business focus

Automotive

- Complete product coverage: Sensors, microcontrollers, power ICs, Plastic Optical Fiber
- Over 35 years of experience in automotive electronics

Industrial

- Broad spectrum of power semiconductor technologies for all kinds of voltages
- Application-specific reference designs
- Technology leadership enabling system miniaturization and high-efficiency performance
- Strong channel partners
- Competitive and established standard products
- ASIC and design solutions
- Leadership in all chipcard markets

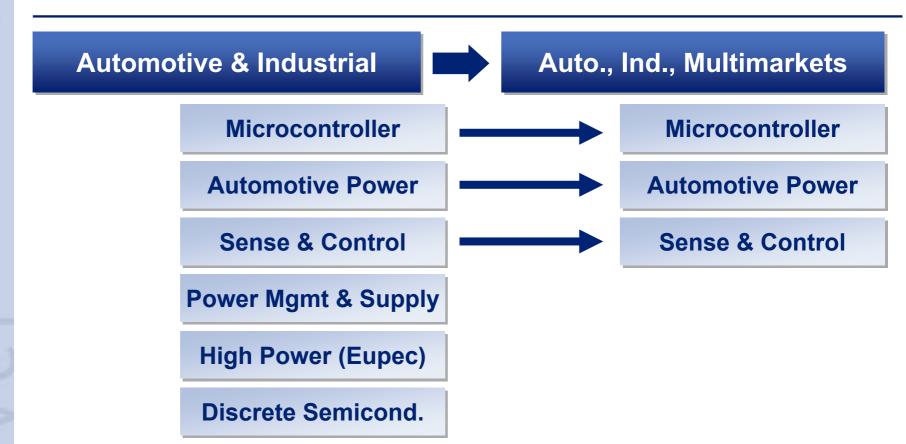
Multimarket

- Global presence based on strong customer relationship
- Profound application knowhow
- Cost-effective and high-quality manufacturing

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Changes in Automotive & Industrial

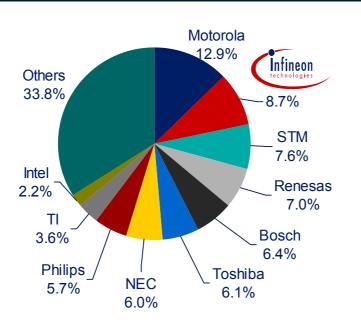




Infineon Automotive ranks No.2 worldwide by continuously outperforming the market

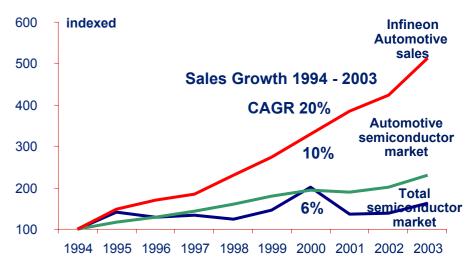
Infineon Automotive 2003 No. 2 World No.1 Europe No. 3 US

Continuous Outperformance



Market: 13.128 mill. US\$

■ CAGR: 7-8%



- Strong European market development compared to rest of world
- Strengthened regional business in NAFTA/Japan
- Improved relationships to major automotive system vendors

Strong market position in Europe secures technological leadership

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Source: Strategy Analytics



The Road to 2010: 90% of all Automotive innovations will be driven by electronics

Production of **73** million light vehicles from 8 OEMs Electronic content: **35%** (22% hardware + 13% software)

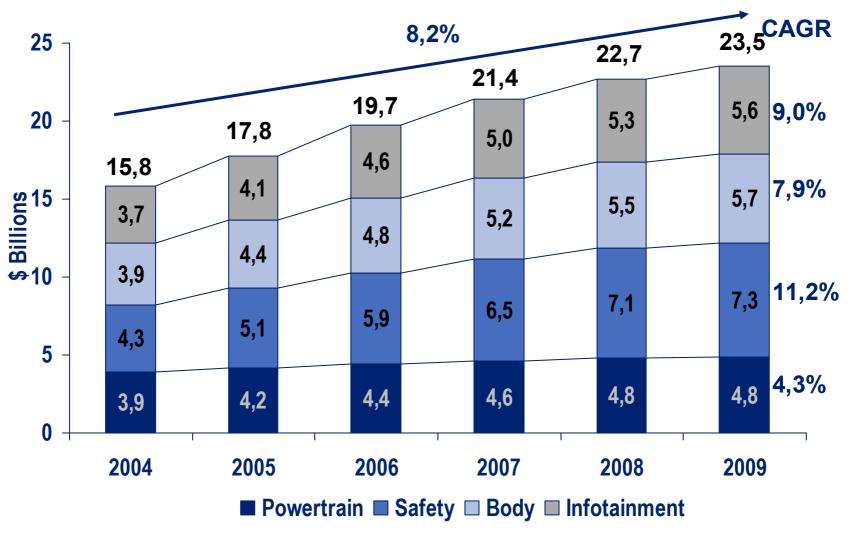


Production of **57** million light vehicles from 20 OEMs Electronic content: **22%** (18% hardware + 4% software) Semiconductor content per car: ~ EUR **200**

Sources: Strategy Analytics, FAZ



Longterm outlook offers continous growth of automotive semiconductors





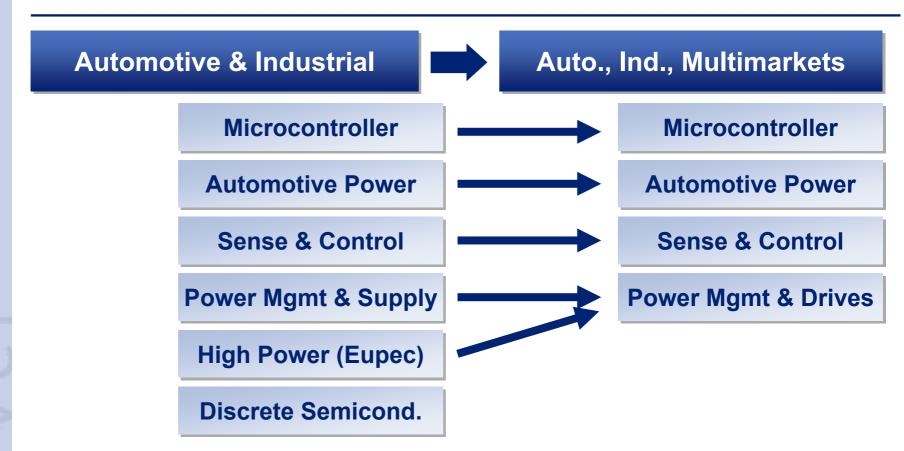
Longterm industry outlook forecasts moderate global light vehicle growth but dynamic automotive electronics and semi markets

Market Perspective	2004	2009	CAGR	Growth Drivers	
Light Vehicle Production (k volumes)	61,893	70,944	2.8%	Replacement of hydraulics and mechanics by electronics Size/weight optimization of systems and components	
Electronic System Demand (mill. US\$)	122,460	166,417	6.3%	Migration of electronic features into middle and economy class cars (HVAC, side airbags, etc.)	
ECU Demand (mill. US\$)	35,267	50,466	7.4%	Electronic innovations in high volume car segments (electric power steering)	
Semiconductor Demand (mill. US\$)	15,822	23,500	8.2%	 Increasing sensor content key to intelligent vehicles In-car networking requires intelligent Bus Systems ("system on vehicle") 	

Source: Global Insight, Strategy Analytics, IFX



Changes in Automotive & Industrial





Infineon achieved worldwide market leadership for power semiconductors in 2003

Rank 2003	Rank 2001	Supplier	2003	2001	Change
1	4	Infineon*	8,1%	6,6%	1,5%
2	2	IR	8,0%	7,6%	0,4%
3	6	STM	7,9%	6,3%	1,6%
4	3	Fairchild	7,4%	6,7%	0,7%
5	1	Toshiba	7,2%	8,6%	-1,4%
6	5	Vishay	6,1%	6,3%	-0,2%
7		Renesas	5,0%		
8	10	Fuji	5,0%	4,0%	1,0%
9		Philips	4,1%	3,2%	0,9%
10	10	ON	3,5%	4,1%	-0,6%



■ Market Size: 9.358' US\$ (2003)

■ CAGR: 10,2% (03-08)

IFX* 8,1% \mathbb{R} 8,0% Others **STM** 37,70% 7,9% Fairchild 7,4% Toshiba ON 7,2% 3,5% Vishay **Philips** Fuji Renesas 6,1% 4,1% 5,0% 5.0%

Source: IMS Research, Global Market for Power Semiconductors (June 2004)

^{*} incl. EUPEC



Infineon's power logic fab locations



Regensburg

Production and development of Power, RF, BiCMOS, Sensors, Mixed-Signal



Production and development of Power, Mixed-Signal and Discretes

Mch-Perlach *

Production and development of Mixed-Signal, Bipolar RF, BiCMOS, Sensors, Discretes

*) Will be phased out by early 2007.



New Fab - Kulim

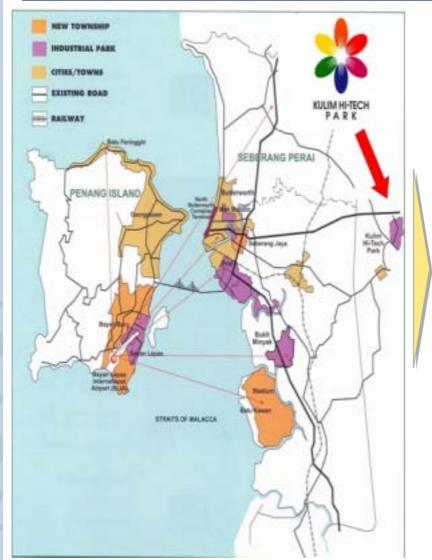
Production of Power, Power-Bipolar, Mixed-Signal

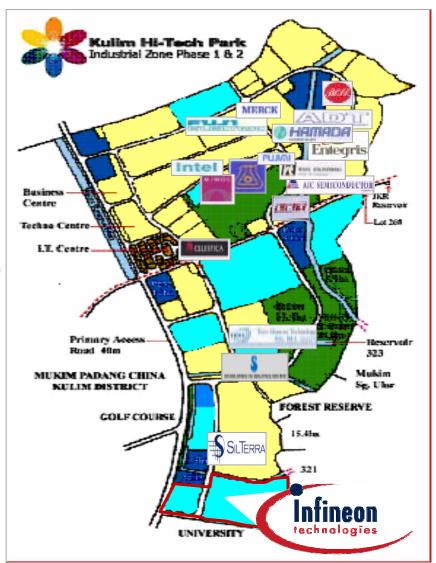
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Additional capacities at silicon foundries: ASMC, Chartered, TSMC and ZMD



Land plot of the new fab in Kulim High Tech Park





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Why a new logic fab for AIM?

- Power semiconductors face a strong and stable long-term growth.
- In-house capacity increase is required for AIM due to volume growth and lack of vital external partnership model.
- Power semiconductors cannot be shrunk as fast as memory or standard logic technologies. Therefore, the output increase per fab is moderate only.
- Low cost site is favorable over mid-term due to much lower labor costs.
- Kulim High-Tech Park in Malaysia is chosen as the new fab's location resulting out of a thorough site selection process.



Key Figures of Malaysia fab for power semiconductors

Technology

■ feature sizes of 0.35µm, 0.5µm, 0.7µm and 1.0µm

Capacity & Facility

- Capacity of about 100k WSPM on 200mm wafers
- 2 modules, each 5000 m² clean room (class 10/Litho class 1)
- 1700 employees (1170 direct functions/530 engineers+admin)

Site

- Kulim High Tech Park, Kedah, Malaysia
- Size of land plot 200,000 m²

Investment

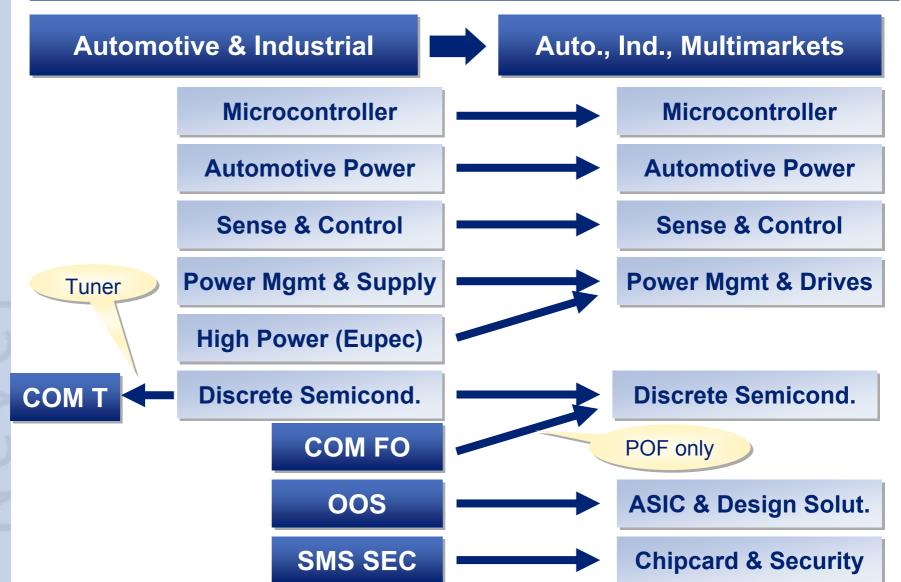
■ Total investment of about EUR1bn

Timeline

- Decision made Nov 2004
- Ground breaking Feb 2005
- Equipment move-in and start of transfer Feb 2006
- Full fab capacity reached end 2009



Changes in Automotive & Industrial



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Significant manufacturing cost reductions in Chipcard ICs

MicroSlim technology

- Volume roll-out of MicroSlim technology (66PE family) since mid 2004
 - Move from 2 transistor/bit to
 1 transistor/bit cell design
 - Significant reduction of chip area
 - Higher performance (30 MHz)
 and increased memory sizes

Introduction of FCOS modules

Ramp-up of "Flip-Chip on Substrate" packaging technology since 01/2005

130nm shrink

- Volume roll-out of first chipcard products on 130nm technology in mid 2004
 - First 32-bit controller with flash memory dramatically improves flexibility and manufacturing time for customer
 - 32-bit architecture enables applications with higher memoryand security-requirements
 - Low power consumption (1.8V) and increased performance (66MHz)



Infineon Technologies as of January 1, 2005: 3 Business Groups; 22 Business Units

Memory Products

Dr. Andreas von Zitzewitz

Communication Kin Wah Loh

Automotive, Industrial & Multimarket Peter Bauer

Computing DRAM

Graphics DRAM

Consumer & Mobile

Flash

Aeneon

Wireless

Wireless Infrastructure

RF Engine

Feature Phone

Entry Phone

Short RangeWireless

Customer Project

Tuner

Wireline

Wireline Access

Customer Prem. Equipment

Optical Networking

Fiber Optics

Microcontroller

Automotive Power

Sense & Control

Power Mgmt & Drives

Discrete Semiconductors

ASIC & Design Solutions

M

Chipcard & Security ICs

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Never