Infineon Company Overview

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Infineon - Market-Oriented Business Structure

**Business Groups**

**AIM**
Automotive, Industrial & Multimarket

**Applications**

**Car Electronics** (powertrain, safety management, body & convenience, infotainment),

**Power control** (distributed power generation, automation / motor control, transportation, power supplies, medical, building control),

**Chip Card & Security** (communications, payment, identification, entertainment)

**COM**
Communication Solutions

**Applications**

**Wireless communications** (mobile phones, cellular base stations, cordless telephones, RF technology for short, medium and long-range distances, TV receivers, navigation),

**Wireline communications** (Voice and broadband data communications, integrated voice and data communications, wireless infrastructure, home networks)
Automotive, Industrial & Multimarket Overview

Product Range
- Power discretes, -modules, -ICs
- Pressure -, Temperature -, Magnetic sensors; RF ICs
- 8-bit, 16-bit, 32-bit TriCore® microcontrollers
- RF diodes and transistors; SSICs
- Security ICs
- ASIC Design Solutions

Core competencies
- Highest quality products and services
- Leading edge technology and IP portfolio
- System expertise with broad application competence
- Strong worldwide presence with local sales and R&D support
- Dedicated and committed account teams and distributors

Market Positions
- No. 1 in Power Semiconductors
- No. 2 in Industrial applications
- No. 2 in Automotive ww, no. 1 in EU
- No. 1 in Chip Card ICs

Sources:
Business Group AIM: 7 Business Units

Automotive, Industrial & Multimarket

Automotive
- Microcontroller
- Automotive Power
- Sense & Control

Industrial & Multimarket
- Power Management & Drives
- Discrete Semiconductor

Security & ASICs
- ASIC, Design & Security
- Chip Card & Security ICs

Note: Business units assigned to segments according to majority of business.
Infineon locations supporting global AIM business

**Development:**
Augsburg, Bangalore, Bristol, Bucharest, Duisburg, Graz, Horten, Linz, Malaca, Munich, Padua, Regensburg, San Jose, Singapore, Villach, Warstein, Xi’an

**Sales:**
Beijing, Bristol, Detroit, Dublin, Duisburg, Honkong, Kokomo, Milano, Munich*, Paris*, San Jose, Seoul*, Shanghai*, Singapore*, Stockholm, Stuttgart, Tokyo

* = incl. Quality Customer Support
Automotive

Addressed Applications

- **Powertrain**: Engine management, transmission, hybrid drives
- **Safety & Vehicle Dynamics**: ABS/ESP, suspension, steering, airbag, TPMS
- **Body & Convenience**: Lighting, door module, HVAC
- **Infotainment**: Dashboard, car radio, telematics, navigation, multimedia

Product Range

- **Sensors**: Pressure, temperature, and magnetic; Wireless Control ICs
- **Microcontrollers**: 8-bit, 16-bit, 32-bit TriCore®
- **Power**: MOSFETs, IGBTs, voltage regulators, smart power, system ICs

Core competencies

- 40 years of system expertise with broad application competence and industry commitment
- Innovative product, technology and IP portfolio, covering the complete control cycle
- Own production sites for automotive semiconductors
- Automotive Excellence™: Most comprehensive quality program in the industry
... *every new car* worldwide includes an average number of approximately 25 Chips from Infineon?

... *in every new European car*, on average 5 sensors for ABS or side airbags are from Infineon?

... *in every 3rd new car* worldwide, Infineon's microcontrollers are processing and controlling data real time for engine management?

... *in every new car* worldwide Infineon's power semiconductors are driving half of the loads - from dashboard lighting to the starter and the rear fog light?
Automotive Semiconductors Success Reasons

Reliability through experience:
High quality products and services for the automotive industry for 40 years

Innovative product portfolio covering the complete control cycle:
From sensing over computing to actuating

System expertise with broad application competence:
Powertrain, Safety Management, Body & Convenience

Automotive Excellence™:
Most comprehensive quality program in the industry

(Source: Strategy Analytics)
Quality and safety of electronics demands a well-balanced co-operation of all involved parties: Early requirement definition, no unrealistic requirements at late notice, Improvement of business processes.
Results of Automotive Excellence™
Only 2% with 1-3 ppm

Data for Automotive & Industrial Products - * Status: July 14th 2006
Contribution of Spice Modeling to 0-Defects

Accuracy & performance of nominal model
Accuracy of parameter extraction
Modeling of parasitic device behavior
Statistical model parameter (matching & process deviation)

Knowledge & expertise of model engineers is key
We commit.
We innovate.
We partner.
We create value.