Investor and Analyst Presentation



Jochen Hanebeck Division President Automotive

London, 28 September 2015





Global market shares										
		2013	Delta	2014						
1	Renesas	13.3%	-1.3%pt	12.0%	According to financial figures					
2	Infineon	9.6%	+0.9%pt	10.5%	Infineon becomes #1 in H1 CY15					
3	STM	7.9%	-0.1%pt	7.8%	reaching \$1.362m vs. \$1.341m for Renesas.					
4	Freescale	7.4%	+0.1%pt	7.5%						
5	NXP	6.5%	+0.3%pt	6.8%						
Market shares by product										
Power				Sensors	Microcontroller					
Others Toshiba TI F	28.5% 24.8 % 14 1% 6.2% 9.5% SL 6.4% Banasas Bos	Infineon +3.5% % (.7% ST	b Others 36.3 3.7% Micronas 5 Freescale	B 21.1% 21.1% 11.50 7.7% 5.9% 7.0% 6.6% Melex	osch Others NXP II.8% Cypress 4.0% Microchip 4.8% Microchip 4.8% Microchip 4.8% Allegro Infineon +/-0\% Freescale					

4 megatrends are shaping ATV market, significantly increasing the semiconductor content of vehicles



ADAS/Autonomous driving

- From ADAS to semi-automated and finally autonomous driving
- > Every world region is striving for "0-accident"

Connectivity

xEV/eMobility

Mandated CO₂ reductions make electrification of powertrain inevitable



Car Security

Advanced connectivity is driven by making the car part of the Internet



- The car will be fully connected (V2I, V2V, in-vehicle)
- Increased connectivity and software content increase risk exposure to hackers
 - Internal/external connectivity must be secured

Advanced security

2015-09-28

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The 5 levels of increased automation (VDA/SAE definition)







ADAS system overview



More sensors required for each automation level







Sensor technologies	2015 Euro- NCAP*	2018 Euro- NCAP*	Level 2	Level 3	Level 4/5	
Front looking camera Front looking radar Front looking lidar	0.5 0.5 –	1 1 -	1 1 -	1 1 -	1 1 1	
Surround camera Corner radar Surround radar		_ 2 _	- 2 -	- 4 -	4 4 4	
Rear looking camera Rear looking radar				1 -	1 1	
Driver monitoring Camera	_	-	-	1	1	
V2X Sensor	_	_	_	-	1	
Ultrasonic sensors	10-12 sensors per car					
Surround Radar	nd Radar 8 radar sensors e.g. for garage parking					

Radar Camera Lidar

* Euro-NCAP is focusing on collision avoidance, requirements are changing over time

Infineon is the market leader in Radar, Sense 10 millions chips shipped already



*Source: IHS ADAS Sensor Market Shares -2014

Infineon



+



Camera system overview

> Mono camera



Image processor (e.g. Mobileye, Nvidia)

C Infineon ADRIXIA SWERY

AURIX[™] as Host

Controller

Stereo camera



> Time-of-flight camera



Infineon AURIX[™] microcontrollers make autonomous driving reliable

Compute



During the CES 2015, Audi demonstrated their autonomous driving capabilities. Audi's piloted driving concept car "Jack", an Audi A7 Sportback, completed a 550 mile piloted drive from Silicon Valley to Las Vegas.

The central driver assistance ECU ("zFAS") is the core of future systems for piloted driving for Audi.

Within zFAS Infineon's AURIX[™] is the interface to the car architecture, hosts different functions and acts as safety monitor.



* zFAS = zentrales Fahrerassistenzsystem = German term for central driver assistance ECU.

Fail operational actuators:ActuateBOM to grow by factor 1.3 with level 3 to 5





© ZF Lenksysteme

EPS Electronic control unit





Safe power supply

Semiconductor content itemized to automation levels



Average ADAS semiconductor content per level of automation



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Semiconductor content of EV/HEV vehicles falls right into Infineon's core competence





2015-09-28

Infineon is best positioned to benefit from xEV car ramp





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Basic security considerations





Infineon's product portfolio for security



Infineon ideally positioned to benefit most from megatrends ADAS, xEV and security





ADAS, CO₂ reduction and adoption of premium features drive Infineon growth





Sources: IHS Inc., Strategy Analytics, Infineon

Market growth based on car production growth and increasing number of features





Infineon is strong in all markets, balancing exposure to slower growth in China





(*: China, Korea, Russia, India, South America & further countries Source: Strategy Analytics, April 2015



Automotive financials at a glance





^{*} Based on Q4 guidance, as of 30 July 2015

infineon

Summary



Automotive track record for 40 years:

- #2 in Automotive globally first time double digit market share, closing gap to Renesas
- Consistent revenue growth and profitability



Growth drivers:

- Compound annual car production growth of ~2%
- Compound annual semiconductor content growth of 3%-4%
- > CO₂ reduction, Advanced safety and comfort



Differentiators:

- > System leader in Safety/ADAS, CO₂ reduction
- Security expertise
- Quality excellence
- Broad regional customer base



Part of your life. Part of tomorrow.





Glossary

- ABS Anti-lock braking system
- ACC Adaptive Cruise Control
- AEB Autonomous Emergency Braking
- ADAS Advanced driver assistance systems
- ATV Automotive segment
- BASt The Federal Highway Research Institute
- CAGR Compound annual growth rate
- DC/DC Direct current/Direct current converter
- ECU Electronic control unit
- EMS Engine management system
- EPS Electric power steering
- ESC Electronic stability control
- EV Electric vehicle
- eWLB embedded wafer-level ball grid array
- HEV Hybrid electric vehicle
- IC Integrated circuit
- ICE Internal combustion engine

Disclaimer:

This presentation contains forward-looking statements about the business, financial condition and earnings performance of the Infineon Group. These statements are based on assumptions and projections resting upon currently available information and present estimates. They are subject to a multitude of uncertainties and risks. Actual business development may therefore differ materially from what has been expected. Beyond disclosure requirements stipulated by law, Infineon does not undertake any obligation to update forward-looking statements.

- PMD PMD Technologies GmbH
- ROW Rest of world
- SAE Society of Automotive Engineers
- SOP Start of production
- StVO Road traffic act
- VDA German Association of the Automotive Industry
- V2X Vehicle to Infrastructure
- xEV EV and HEV