Third Quarter FY 2017 Quarterly Update Infineon Technologies AG Investor Relations





Table of Contents



Please regard the "Notes" and "Glossary" at the end of the presentation.

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 forwardlooking statements.



Infineon at a glance



Our strategy is targeted at value creation through sustainable organic growth



Focus	Technology	leadership Syst	System understanding	
Auto	Power	RF and sensors	Security	
System leader in automotive	#1; system and technology leader	Broad RF and sensor technology portfolio	Leader in security solutions	

Average-cycle financial targets

~8% p.a. revenue growth

~17% Segment Result Margin ~13%

investment-to-sales
(thereof capex*: ~11%)

Continued value creation for shareholders

Organic RoCE ~ 2x WACC

- paying out at least a constant dividend even in periods of slower growth
- > continuous EPS increase

* Infineon reports under IFRS and has therefore to capitalize development assets which represents currently ~2% of sales.

Infineon increased relative market share in power and outperformed chip card market





Source: Strategy Analytics, "2016 Automotive Semiconductor Vendor Share", April 2017 Source: IHS Markit, Technology Group, "Power Semiconductor Annual Market Share Report", August 2017 Source: IHS Markit, Technology Group, "Smart Cards Semiconductors Report", July 2017 Tight customer relationships are based on system know-how and app understanding





Infineon's organic revenue development clearly outperformed total semi market





* Based on Infineon's portfolio (excl. Other Operating Segments and Corporate & Eliminations) per end of FY16.

** If International Rectifier had been consolidated since 1 Oct 2014, Infineon would have recorded revenues of €6,059m in FY15. Source: Infineon; WSTS (World Semiconductor Trade Statistics), November 2016

Organic RoCE as the key value metric typically amounts to $\sim 2x$ WACC



Infineon

Our promise to investors: Continued value creation through growth





Total cash return to shareholders



- Policy of sustainable dividend payout.
- Increase of dividend from €0.20 in FY16 to €0.22 in FY17.
- Payment of €248m on
 21 Feb 2017.



Outlook for Q4 FY17 and FY17

	Outlook Q4 FY17*	Outlook FY17* (compared to FY16)	
Revenue	~€1,830m	Increase of 8% to 11%	
Segment Result Margin	~18%	At the mid-point of the revenue guidance: $\sim\!17\%$	
Investments in FY17		About €1,050m**	
D&A in FY17		About €815m*** (prev.: €830m)	

- * Based on a new assumed average exchange rate of \$1.15 for \in 1.00.
- ** Including approximately €35m for a new building at Infineon's headquarters in Neubiberg near Munich.
- *** Including D&A on tangible and intangible assets from purchase price allocation of International Rectifier.



Table of Contents





Q3 FY17 Group and Division Performance



* Individual small product groups were transferred to other segments with effect from 1 October 2016. The previous year's figures have been adjusted accordingly.

Most recent design-win successes confirms Infineon's strong market position in xEV





- In Q1-Q3 FY17, design-wins in xEV almost doubled compared with total FY16
- In the last three years, cumulated xEV designwins reached about €2.5bn
- > Lifetime of projects up to mid of next decade

- Infineon holds a top position in xEV power semiconductor market
- 8 out of 10 top-selling BEV/PHEV car models powered by Infineon
- Based on recent design-win successes Infineon believes to roll-over ist strong position in xEV into upcoming wave of high-volume xEV car models





SiC shows high growth rate but silicon remains the bread-and-butter business



 In the next couple of years, Si-based IGBTs and modules will remain the mainstream technology for all applications including xEV



xEV market development

- In the next five years, more than 90% of revenue is based on silicon, both discretes and modules
- In the next few years, first onboard chargers (OBC) will be based on SiC; semi content quite small
- From 2020+, main inverters will gain momentum; semi content
 5 - 10 times compared with OBC.
- * Incl. discrete IGBTs and IGBT modules
 Source: IHS Markit, Technology Group, "Power Semiconductor Forecast Report 2016", Sep 2016; Infineon
- ** Incl. diodes, transistors, hybrid modules and full SiC modules. Source: IHS Markit, Technology Group, "World Market for SiC and GaN Power Semi", Feb 2016

In May 2017, first SiC power module for electro-mobility demonstrated at PCIM show



Infineon demonstrated SiC power module for automotive applications



- > 3-phase half-bridge module
- Power density doubled compared to IGBT
- > HybridPACK[™] Drive compatible
- > Target applications:
 - > Main inverter (300 kW)
 - High-voltage DC-DC converter

More than 15 leading OEMs and tier-1s are evaluating the Infineon HybridPACK[™] Drive CoolSiC[™] MOSFET power module

Ultra high-power charging stations will use Infineon CoolSiC[™] MOSFET technology



First OEM has chosen Infineon CoolSiC[™] MOSFET technology for ultra high-power charging stations to shrink size and weight



- > Ultra high-power charging stations will reduce charging time for 300 km reach from 3 h to 20 min
- > Specification: 350 kW; 800 V; 400 A
- Just 5 full SiC power modules (plus 5 driver ICs) are required per station due to extraordinary high performance of the Infineon CoolSiC[™] MOSFET
- > Infineon starts to deliver in Oct 2017

The project

- A consortium of German OEMs have signed MoU to create highest-powered charging network in Europe
- Goal: quick build-up of sizable number of stations in order to enable long-distance travel for battery electric vehicle drivers through open-network charging stations along highways
- > Roll-out plan:
 - > start in 2017
 - > initially 400 sites in Europe
 - 1,000s of charging points by 2020

Infineon leads the transition of the photovoltaic inverter market to SiC



KACO new energy	SMA	2016	b market share by revenue
		(1)	SMA
E C D D D D D D D D D D D D D D D D D D		(2)	Huawei
		(3)	SolarEdge
		(4)	Sungrow
		(5)	TMEIC
Courtesy: KACO new energy		(6)	ABB
> KACO new energy selected	> SMA and Infineon are closely	(7)	Ennhase

- the Infineon CoolSiC[™] technology for its latest 125 kW photovoltaic inverter *blueplanet 125 TL3* used for mid-size and large-scale systems
- Volume production starting from 2018 onwards
- SMA and Infineon are closely collaborating on photovoltaic inverters with the target of using the Infineon CoolSiC[™] technology in large-scale systems
- Volume production starting from 2018 onwards

- (7) Enphase(8) Schneider
- (9) Omron
- (10) Power Electronics

Source: IHS Markit, Technology Group, "PV Inverter Market Tracker", July 2017



Table of Contents





Reference to web presentations

- 29 Jun 2017: PMM Division Call by Andreas Urschitz Division President Power Management & Multimarket www.infineon.com/pmm-call
- 11 May 2017: Deutsche Bank AutoTech Conference by Dr. Jürgen Rebel, CVP Investor Relations <u>www.infineon.com/db-autotech</u>
- 16 Mar 2017: Bernstein xEV and Energy Storage Conference by Hans Adlkofer, VP Automotive System Group <u>www.infineon.com/bernstein</u>
- 11 Oct 2016: ATV Division Call by Peter Schiefer, Division President Automotive www.infineon.com/atv-call
- 2 Aug 2016: ATV Presentation <u>www.infineon.com/auto-slides</u>

Infineon benefits from industrial and auto, the by far fastest growing segments



CAGR 2016 – 2021 by Semiconductor Industry Segment



Source: IHS Markit, Technology Group, "Worldwide Semiconductor Shipment Forecast", July 2017

- * Market size in calendar year 2016
- ** Source: ABI Research, "Secure Smart Card & Embedded Security IC Technologies", August 2017; microcontroller ICs

Infineon is system leader in automotive; making cars clean, safe and smart



#2 with market share gains in power and sensors:

- > #1 in power semiconductors*
- > #2 in sensors*
- > #4 in microcontrollers* (#1 in powertrain**)

Most balanced portfolio with sensors, microcontrollers and power for system approach

Leader in electric drivetrain and CO₂ reduction - making cars clean

Leader in ADAS - making autonomous driving safe and reliable

Leading product portfolio of sensors and security ICs for individual convenience and connectivity - making cars smart

Focus on sustainable high-bill-of-material areas: powertrain, safety/ADAS/autonomous cars, body

* Source: Strategy Analytics, April 2017; ** own estimate.

Infineon is ideally positioned to benefit from ADAS/AD, xEV, connected cars and to gain further market share in Automotive

Infineon's position in the automotive semiconductor universe





* Divestiture of NXP's Standard Product business ("Nexperia") closed on 16 Feb 2017; hence included in the 2016 ranking. Source: Strategy Analytics, "Automotive Semiconductor Vendor Market Shares", April 2017

REAL3[™] sensor

Powertrain

- EPS

Lighting

Key market trends significantly drive increasing semiconductor content per car



ADAS/AD

 ADAS and AD are critical enabler to reduce the number of fatalities and serious injuries ("Vision Zero")

Clean cars

- To reach CO₂ emission goals, the automotive industry has to focus on
 - a higher efficiency of the classic ICE, and
 - the electrification of the drivetrain (xEV)

Connectivity/security

- Advanced connectivity is driven by making the car part of the internet
- Connectivity must be secure

ADAS/AD and clean cars will generate half of the 8% trendline growth of ATV







ADAS/AD semi growth driven by radar and camera sensor modules over the next 5 years





Bill of material estimates include <u>all</u> type of semiconductors**

* Source: Strategy Analytics; IHS Markit, Technology Group; Infineon.

** e.g. radar includes μC

Sense

Actuate

Compute

Infineon's product portfolio fosters revenue growth in ADAS/AD for the next decade





All types of xEV will significantly increase power semiconductor content per car



Average xEV semiconductor content by degree of electrification Mild hybrid / 48 V PHEV / HEV EV In contrast to micro hybrid systems, Adder for DC-DC conversion, inverter, these systems support aside from onboard charger start-stop functionality \$60 **\$712** \$190 **\$704** DC-DC conversion (12/48 V) recuperation (coasting/sailing) \$270 \$15 e-motor use \$50 auxiliary applications \$77 \$428 \$29 \$387 \$47 \$352 \$352 Others ICE ICE Sense Others Sense Others Power Power Ч Power Ы **Total BoM** Total BoM **Total BoM** > 2016: 0.5m units 2016: 2.4m units 2016: 0.6m units > > 2020: 5.6m units 2020: 5.5m units 2020: 2.1m units 2025: 10 .. 12m units > 2025: 9 .. 12m units 2025: 4 .. 8m units >

Source: IHS Automotive, "Alternative Propulsion Forecast", January 2017; Infineon

Actuate

Compute

Sense

Power semiconductor demand for different levels of electrification





Infineon has all elements and unparalleled package expertise for all xEV applications





Infineon is well positioned globally to benefit disproportionately from xEV boom





ADAS/AD, clean cars, and adoption of premium features drive growth





~8% p.a. through-cycle growth



#1 in the market^{*} for MOSFETs, discrete IGBTs, IGBT-based modules and total market

Broad product and technology portfolio

Addressing broadest range of applications

Key areas of innovation

300 mm thin-wafer manufacturing for power semiconductors

System leader with digitalization of the control loop and functional integration

Leader in next-generation power semiconductor materials SiC and GaN

Infineon is ideally positioned to gain further market share and earn superior margins in power semiconductors

* Source: IHS Markit, Technology Group, "Power Semiconductor Annual Market Share Report", August 2017

Ramp of 300 mm thin-wafer manufacturing technology on schedule





Advantages of 300 mm manufacturing of power semiconductors

- When fully loaded, frontend manufacturing cost per unit will be 20 – 30% lower than on 200 mm
- > Capital intensity is 30% lower than for 200 mm



Current status of Dresden 300 mm fab

- Headwind from 300 mm-related expenses (process development, product qualification and manufacturing infrastructure) decreasing in FY17
- Cost crossover versus 200 mm expected by end of CY17 when reaching 25 – 30% area utilization

Efficiency, productivity and legislation are main market drivers for power applications





PMM's growth is built on many applications from different sectors





Product-to-System approach opens growth opportunities beyond MOSFETs



Essential parts of any electronic system (e.g. in an SMPS); can be realized with separate components or as an integrated power stage as system-on-chip



Strengthening IC business allows for faster growth in power than market average





PMM is a leader in core technologies for ambient sensing, thus driving innovation



MEMS



- #2 in the market (31.1%)
 for silicon microphones
- World's best signal-tonoise ratio
- Integration of additional sensing functions



- 60 GHz radar sensors e.g. for gesture sensing (example: Google Soli)
- > 24 GHz radar sensors e.g. for automotive, robotics and smart home

Sensor fusion

 Combination of microphone and radar with audio processor from XMOS enables far field voice capture by audio beamforming combined with radar target presence detection.

Time of Flight



- REAL3[™] image sensor for AR/VR applications in smartphones and automotive driver monitoring
- High-resolution 3D image sensor available with 19k, 38k and 100k pixels, measuring brightness and distance for every single pixel
- Meeting the requirements of Google's Tango platform

Growth in RF & Sensing is driven by broader product portfolio and emerging applications





* Infineon estimates

- SiMic: Integrating additional ambient sensors in upcoming generations (e.g. temperature and pressure)
- **RF discretes:** Adding a focus on antenna-centric solutions to existing LNA and switch business

Tailored growth strategies help maintain leadership position in both major segments





Growth levers



- Capitalize on scale and technology leadership in discretes
- Double TAM by pushing into power management ICs



 Core technologies enable broad portfolio of products for even more applications.

Growth of ~8% p.a.

Growth of ~8% p.a.

Infineon is the leader in security solutions for the connected world

#1 in microcontroller-based smart card ICs*

#1 in embedded digital security**

Complete portfolio of hardware, software, services and turnkey solutions

Leading in growth segments payment, government ID, connected car security, IoT, and Information and Communications Technology security Infineon is ideally positioned to benefit from the growth trends in the security controller market

* Source: IHS Markit, Technology Group, "Smart Card Semiconductors Report", July 2017

** Source: IHS Markit, Technology Group, "Embedded Digital Security Report ", January 2016 (based on units, USD-ranking not provided)



CCS is enabling security for the connected world





2017-09-06

Infineon's long-term growth is based on sustainable growth drivers





~8% p.a. through-cycle growth



Table of Contents





OPEX level right on target



* Target range for SG&A: "Low teens percentage of sales".

** Target range for R&D: "Low to mid teens percentage of sales".

Increase in inventories due to more raw material and work in progress





* For definition please see page "Notes".



Investments at about €1,050m due to full-year growth above trendline





- * For definition please see page "Notes".
- ** The figure includes approximately €35m for a new building at Infineon's headquarters. Excluding this amount the percentage rate is approximately 14.3%.

Gross and Net Cash increased due to strong Free Cash Flow





- → Free Cash Flow from continuing operations was €301m.
- Debt decreased by €158m due to repayment of €108m long-term debt and a change in FX-rates used for valuing US\$-based debt.

Infineon has a balanced maturity profile and a solid investment grade rating (BBB) from S&P





Note: Additional debt with maturities between 2017 and 2023 totaling €73m of which €38m repayments related to Campeon.



Part of your life. Part of tomorrow.



Infineon is a long-standing member of Europe's leading sustainability indices



Infineon's most recent achievements

Dow Jones Sustainability Indices

In Collaboration with RobecoSAM 🐽

- Jan 2017: Infineon is listed in the Sustainability Yearbook for the 7th consecutive year and, according to RobecoSAM, among the top 15% most sustainable companies worldwide
- Sep 2016: Infineon is listed in the Dow Jones
 Sustainability Europe Index for the 7th consecutive year and in the World Index for the 2nd time – both achievements this year as the only European semiconductor company

 Sep 2016: Infineon is listed in the STOXX® Global ESG Leaders Indices, which serves as an indicator of the quality of Infineon's performance in the governance, social and environmental areas (ESG)





 Infineon was added to the FTSE4Good Index Series in 2001 and has been confirmed as a member since then

OOd 🕠 Jul 2017: Most recent review

 Dec 2016: In the Carbon Disclosure Project (CDP) climate change report, Infineon achieved a placing among the best companies in the Information Technology sector





 Mar 2017: Infineon has been reconfirmed as a constituent of the Ethibel Sustainability Index (ESI) Excellence Europe



Financial calendar

Date	Location	Event
31 Aug 2017	Frankfurt	Commerzbank Sector Conference
6 – 7 Sep 2017	New York	Citi Global Technology Conference
18 Sep 2017	Munich	Berenberg Bank and Goldman Sachs German Corporate Conference
20 Sep 2017	Munich	Baader Investment Conference
28 Sep 2017	London	Bernstein European Conference
10 Oct 2017	London	ATV Presentation by Peter Schiefer, Division President
14 Nov 2017*		Q4 FY17 and FY 2017 Results
15 - 16 Nov 2017	Barcelona	Morgan Stanley TMT Conference
28 – 29 Nov 2017	Scottsdale, AZ	Credit Suisse TMT Conference
12 June 2018	London	IFX Day 2018

* preliminary

Notes

Investments =

'Purchase of property, plant and equipment'

+ 'Purchase of intangible assets and other assets' incl. capitalization of R&D expenses

Capital Employed =

'Total assets'

- 'Cash and cash equivalents'
- 'Financial investments'
- 'Assets classified as held for sale'
- ('Total Current liabilities'
 - 'Short-term debt and current maturities of long-term debt'
 - 'Liabilities classified as held for sale')

RoCE =

NOPAT / Capital Employed =

('Income from continuing operations'

- 'financial income'
- 'financial expense')

/ Capital Employed

DOI (days of inventory; quarter-to-date) =

('Net Inventories' / 'Cost of goods sold') * 90

DPO (days payables outstanding; quarter-to-date) =

Working Capital =

- ('Total current assets'
- 'Cash and cash equivalents'
- 'Financial investment'
- 'Assets classified as held for sale')
- ('Total current liabilities'
 - 'Short term debt and current maturities of long-term debt'
 - 'Liabilities classified as held for sale')

DSO (days sales outstanding; quarter-to-date) = ('Trade receivables' / 'revenue') * 90

Please note:

All positions in ' ' refer to the respective accounting position and therefore should be applied with the positive or negative sign used in the relevant accounting table.

(made rece

('Trade payables' / ['Cost of goods sold' + 'Purchase of property, plant and equipment']) * 90





Glossary

AD	automated driving	micro- hybrid	vehicles using start-stop systems and limited recuperation
ADAS	ADAS advanced driver assistance system		vehicles using start-stop systems, recuperation, DC- DC conversion, e-motor
AEB	automatic emergency braking	OBC	onboard charger
ВоМ	bill of material	PHEV	plug-in hybrid electric vehicle
DPM	digital power management	SiC	silicon carbide
EPS	electric power steering	SiGe	silicon germanium
EV	electric vehicle	UPS	uninterruptible power supply
HEV	mild and full hybrid electric vehicle	V2X	vehicle-to-everything communication
ICE	internal combustion engine		variable speed drive
МНА	major home appliances	xEV	all degrees of vehicle electrification (EV, HEV, PHEV)



Institutional Investor Relations contacts



Dr. Jürgen Rebel

Corporate Vice President Investor Relations

+49 89 234-21626 juergen.rebel@infineon.com



Joachim Binder

Senior Director Investor Relations +49 89 234-25649 joachim.binder@infineon.com



Holger Schmidt

Senior Manager Investor Relations +49 89 234-22332 holger.schmidt@infineon.com



Tillmann Geneuss

Manager Investor Relations +49 89 234-83346 tillmann.geneuss@infineon.com