

Third Quarter FY 2020 Quarterly Update

Infineon Technologies AG Investor Relations





Agenda

1	First quarter Cypress being part of Infineon
2	ESG: targets and achievements
3	Automotive
4	Industrial Power Control
5	Power & Sensor Systems
6	Connected Secure Systems
7	Selected financial figures

Infineon offers a unique portfolio that links the real and the digital world





Infineon now offers the entire system for IoT - unlocking new markets and applications





Infineon became a global top-10 player, and the new #3 in the overall microcontroller market





* pro forma figure

1) Based on or includes research from Omdia, "Annual 2001-2019 Semiconductor Market Share Competitive Landscaping Tool – Q4 2019 v2", March 2020.

2) Based on or includes research from Omdia, "Power Semiconductor Market Share Database – 2018", September 2019.

Results are not an endorsement of Infineon Technologies AG. Any reliance on these results is at the third party's own risk.

Infineon remains top player in its target markets: security ICs, NOR Flash, and MEMS microphones





Tight customer relationships, based on system knowhow and application understanding





Well-defined roadmap how to capture the value of the deal





e.g. the planned cost and revenue synergies

> Full commitment to new target operating model

Reaping of cost synergies is making progress; first areas of savings identified





Expected integration and restructuring costs equivalent to ~1x cost synergies one-off over time.

* Expected cost synergies of €180m p.a. gradually ramping up over approximately three years after closing (16 April 2020). Ramp progression adjusted for later closing and COVID-19 implications.

Value creation by revenue synergies; first projects identified







		Target Operating Model Infineon financial performance to approach targets as integration progresses			
Revenue growth		9%+ (up from "9%")			
Segment Result margin		19% (up from "17%")			
Investment-to-sales		13% (down from "15%")			

Equity part of refinancing completed; successful bond issue to repay acquisition-related bridge facility



	 Arranging and syndication of acquisition facility 	\checkmark
2019	 Initial equity de-risking in two steps: €1.5bn via ABB €1.2bn via dual-tranche hybrid bond 	\checkmark
	> Drawdown of acquisition facility and usage of raised funds	\checkmark
	Investment grade rating of BBB- by Standard & Poor's	\checkmark
2020	› Completion of equity part via €1.0bn ABB	\checkmark
	 > €2.9bn bond issued, with maturities up to 12 years; bridge facility completely repaid 	\checkmark
NEXT	 Refinancing of remaining term loans (~€3.0bn) with maturities from Sep 2022 to Jun 2024 through debt capital markets Return to target level ≤ 2x gross debt / EBITDA over mid-term 	

Infineon's maturity profile post the €2.9bn bond emission in June 2020





Note: Additional debt with maturities between 2020 and 2023 totaling €15m of which €4m repayments relate to Campeon.

* On 1 Oct 2019, Infineon issued a perpetual hybrid bond with two tranches: €600m with first call date in 2025 and €600m with first call date in 2028; both are accounted as equity under IFRS.

Outlook for Q4 FY20 and FY20 including Cypress since 16 April 2020 only



	Outlook Q4 FY20*	Outlook FY20*
Revenue	between €2.3bn and €2.6bn	~€8.5bn
Segment Result margin	At the mid-point of the revenue guidance: ~14%	~13%
Inves	stments in FY20	~€1.2bn
[D&A in FY20	~€1.3bn**

* Based on an assumed average exchange rate of \$1.15 for €1.00 (previously \$1.10 for €1.00).

** Including the effects of the preliminary purchase price allocation for Cypress



ESG: targets and achievements



Our products and innovations together with an efficient production are key elements to deal with climate change





The savings of a 1,795 km² photovoltaic powerplant.³⁾



The average annual electricity consumption of about 86 million people living in Europe.⁴⁾



48,700 fully occupied flights of an Airbus A380 from Munich to Singapore.⁵⁾

For footnotes please see page "ESG footnotes" in the appendix.



Infineon will become carbon-neutral by 2030

70% CO₂ emissions reduction target in 2025 (Scope 1 and 2 emissions)

- 1. Avoiding direct emissions and further reducing energy consumption
- 2. Purchasing green electricity with guarantees of origin for unavoidable emissions
- 3. Compensate the smallest part by certificates that combine development support and CO₂ abatement

Abatement of Perfluorinated Compounds (PFCs)¹ is one of the most important measures avoiding direct emissions.

Normalized PFC emissions rate in tons of CO₂ equivalent per m² wafer area



Historically, Infineon's normalized emission rate has been below WSC 2020 target of 2.2 tons of CO_2 equivalent per m² wafer area.

1) Namely perfluorinated and polyfluorinated carbon compounds, sulfur hexafluoride (SF₆) and nitrogen trifluoride (NF₃)

External recognitions confirm our engagement in contributing to a sustainable society



		Rating/Score	Scale	Date
MSCI 🕀	MSCI ESG	AA	CCC to AAA	02/2020
	CDP	B climate scoring B- water scoring	F to A	02/2020
	Ecovadis	98 th percentile "Gold" award	0 to 100	11/2019
Dow Jones Sustainability Indices	Dow Jones Sustainability Index	79 DJ Sustainability™ World Index listing	0 to 100	09/2019
	Ethibel Sustainability Index Excelence Europe"	Index member	-	06/2020
ISS ESG ▷	ISS ESG Corporate Rating	C+ Prime Status	D- to A+	06/2020
FTSE4Good	FTSE4Good Index	Index member	-	07/2020
vigeotris	Euronext Vigeo Eurozone 120 Index Euronext Vigeo Europe 120 Index	Indices member	-	06/2020
	Sustainalytics	77 "Outperformer" level	0 to 100	06/2020



Automotive



Short- to mid-term market outlook for ATV division's target applications





Infineon and Cypress create the new number 1 in the automotive semiconductor universe







Source: Strategy Analytics, "Automotive Semiconductor Vendor Market Shares v2", May 2020. The acquisition of Cypress by Infineon closed on 16 April 2020. The market shares for 2019 shown here are the combined market shares of Infineon and Cypress based on their individual figures.

Infineon has industry's broadest product portfolio covering entire range of auto applications



Body	Cluster/ Chas Infotainment		Powertrain	ADAS/AD		
Sensors (magnetic, pressure, radar, current, 3D ToF, TrueTouch®, CapSense®)						
MCU (Embedo PSoC™,	ded Power ICs, Traveo™)		MCU (AURIX™)			
Memory (NOR Flash, SRAM, nvSRAM, F-RAM)						
Power (MOSFETs, IGBTs, modules, driver ICs, power ICs, LDOs, PMICs, USB Type-C PD)						
Connectivity (USB) Application examples	Connectivity (Wi-Fi, BT, BLE)					
 > HVAC > door control > pumps > seat adjustment 	 instrument cluster in-cabin entertainment touch control in-cabin charging 	 braking steering stability program suspension 	 > engine management > transmission > main inverter > auxiliaries 	 > speed control > emergency braking > blind spot detection > sensor fusion 		



Electro-mobility



xEV growth driven by EU emission regulation; CO2 reduction of 37.5% by 2030 vs 2021



CO₂ emission development and regulations for main regions



^{*} Japan has already met its 2020 statutory target as of 2013 Source: ICCT (<u>www.theicct.org</u>), August 2019

The incremental demand of power semiconductors is a significant opportunity



48 V / MHEV FHEV / PHEV BEV \$37 **\$775** \$785 \$29 \$305 \$350 \$531 \$0 \$90 \$19 \$19 \$14 \$5 \$62 \$62 \$19 \$14 \$355 \$0 \$355 \$355 total semi BoM total semi BoM total semi BoM Non PT* xEV µC Non PT* xEV µC ICE PT xEV µC ICE PT Non PT* ICE PT **xEV Sensors xEV Sensors** xEV others** **KEV Sensors** KEV Power** xEV others*: xEV Power** xEV Power** xEV others** 2.9m vehicles 1.7m vehicles 2018 0.3m vehicles 3.2m vehicles 2020 2.3m vehicles 4.8m vehicles 2025 20.6m vehicles 10.5m vehicles 10.2m vehicles 2030 30.0m vehicles 14.1m vehicles 15.8m vehicles

2019 average xEV semiconductor content by degree of electrification

Source: Infineon; IHS Markit, Automotive Group, "Alternative propulsion forecast", September 2019; Strategy Analytics, "Automotive Semiconductor Content", August 2019. * Non PT (non powertrain): average semiconductor content in Body, Chassis, Safety & Infotainment application segments.

** "power" includes linear and ASIC; "others" include opto, small signal discrete, memory



Automated Driving





A failure-tolerant system with high availability relies on dependable key functionalities



Infineon's NOR Flash business is benefiting from several structural growth trends



Structural growth drivers for NOR Flash

- > increasing system complexity drives demand for higher off-chip code storage
- > growing number of applications based on high-performance processing units:
 - > code and parameter storage for MCUs, GPUs, MPUs, and other SoCs
 - > configuration data for FPGAs



Automotive

- > ADAS/AD
- > instrument cluster
- > navigation system
- > SOTA update

Industrial

- > programmable logic controller
- > photovoltaic inverter
- > HMI module
- > edge computing

ICT

- 4G/5G base station: radio access network and baseband
- > enterprise router/switch
- > gateway



Infineon NOR Flash market focus and position

Leadership in high-performance, high-density, reliable, functionally safe and secure NOR

- > Infineon's high-density NOR Flash is used as
 - > boot-code storage
 - instant-on program memory
 - > execute-in-place (XiP) code memory
 - > data-logging
 - > configuration and parameter storage
- > market leader in high-density products (256 Mb and above) with proprietary MirrorBit[™] technology
- > market leader in automotive applications
- > market leader in parallel interface products with long-term supply
- > focus on safety-critical applications in automotive, industrial, and communications
- > best positioned in functionally safety (ISO 26262 ASIL-B) and security for ADAS/AD
- > SEMPER[™] Secure NOR Flash announced:
 - > world's most secure NOR Flash
 - hardware root-of-trust
 - > end-to-end protection
 - > flexible architecture
 - > combined functional safety and security

oove) witl erm supp Istrial, an -B) and s	n Iy Id	communi curity for <i>i</i>	cation	s /AE		FL-S NOR	Quad SPI Flash
		Unique Device Secret	Secure Boo	ot)			
	Jer	Symmetric/Asymmetric	Key Managem) Ient		arm®	
45-nm MirrorBit®	Memory Region Access Manag	Nonvolatile	Side Channe	el		Cortex®-M0	
NOR Flash Array		True Random	Crypto Engi	uon ne	Secur	e Transactions	Security
Regions		Diagnostics	Safe Boot/RE	SET	Interfac	ce and Data CRC	Functional Safety
		Error Correction Code	Serial Memory Controller		roller	Reliability	
				Octal HyperBus⊺			- tonability

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



Average semiconductor content per car by level of automation at the given years





Infineon's Power Strategy

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Infineon's portfolio covers the entire range of power and frequency





Infineon's discrete power portfolio* is basically separated by voltage classes





* excluding drivers and control ICs



Broadest and best-in-class SiC portfolio



Three strategic levers to outgrow the power semi market: "core – adjacent – new"





③ Broaden scope to new applications

 System understanding and strong R&D force allow us to enter emerging power applications

Second generation (2nd Gen.) CoolSiC[™] Trench MOSFET will increase the addressable market



1st Gen. CoolSiC[™] Trench MOSFET is the leading technology today



2nd Gen. CoolSiC[™] Trench MOSFET is in advanced development phase

1st Gen. with lowest losses



Source: Infineon, datasheets on supplier web pages, September 2019.

1st Gen. CoolSiC[™] Trench MOSFET has set the industry benchmark

2nd Gen. will expand the lead

- Enhanced power handling capability by 25% – 30%
- > Enhanced safe operating area without compromising quality
- > Enabling SiC in further high volume applications

2nd Gen. CoolSiC[™] Trench MOSFET will significantly enlarge the market size for SiC MOSFETs
Siltectra: Status of implementation of Cold Split technology



Process tools	Clean	room	Process flow
 Design and production of semi-automated process tool park completed in Dresden 	 Clean room ready for manufacturing by end of calendar year 2020 		 Integration of individual process steps into complete work flow
1/3 of the industrialization journey accomplished			
Wafer splitting by 2	2022	Βοι	lle splitting by 2023
 > Wafer for splitting are already available > Increases # of wafers up to a factor of 2 		 > Boules start > Increases # offirst step, wit 	to become available of wafers by a factor of 2.0 in a h potential for a factor of 2.6

Combining boule splitting and wafer splitting will make the most efficient process

Infineon is ready to support and shape the growing SiC device market



Today

- Leading Infineon technology with 1st Gen. CoolSiC[™] Trench MOSFET
- > Already broad, fast growing portfolio
- > System expertise and customer access

Strategic projects to support growth

- > 2nd Gen. CoolSiC[™] Trench MOSFET
- > Cold Split: wafer and boule
- Manufacturing lines already capable of processing 200 mm diameter

SiC device market revenue





Industrial Power Control



Short- to mid-term market outlook for IPC division's target applications



Application	Market Outlook for H2 CY20	Market Outlook for CY21
Motor drivers	 Industrial drives expected to contract due to push-outs in manufacturing equipment investments 	 Industrial drives highly correlated to GDP recovery earliest in H2 CY21
Solar	 Recovery supported by China subsidy awards in late June 	 Total installations forecasted close to pre-crisis levels with upside potential in China and Europe
Wind	 Growth may be not as strong as expected due to installation delays but higher than in CY19 	 Self-sustainable growth due to long-term drivers and increasing competitiveness
Home appliance	 Run-rate of appliance shipments back to seasonal pattern; growth driven by China energy efficiency program for air conditioners; partly offset by home appliance retailer inventory levels 	 Growth driven by catch-up effects of delayed purchases as well as energy efficiency incentive programs
Traction	 Weaker passenger volume leads to short-term pushouts in China 	 Long-term drivers ensure steady stability, although growth depends on stimuli programs in China and Europe

Clear leader in discrete IGBTs and IGBT modules; **IPMs** strengthened again



34.5% (+1.7-pt)

10.4%

9.7%

8.0%

4.9%

3.5%



Littelfuse acquired IXYS Corporation in January 2018. Both companies are reported separately in 2017 and combined as Littelfuse in 2018.

** Including standard (non-integrated) IGBT modules and power integrated modules (PIMs) / converter inverter brake (CIB) modules.

Source: Based on or includes research from Omdia, "Power Semiconductor Market Share Database 2018", September 2019.

Due to the extensive power module portfolio Infineon can address the whole range of drives applications





* Low-power drives include compact drives, standard drives, premium drives and brushed DC drives.

Growth in HAs supported by ongoing inverterization and sustained growth of overall number of RACs





[units m]



- Inverterization of home appliances driven > by energy efficiency regulations
- Room air-conditioners accounting for > roughly half of IPC's addressable HA market (based semiconductor TAM)
- Room air-conditioners and washing > machines currently stand at ~75% inverterization penetration rate
- Growth of inverterized room air-> conditioners also sustained by overall shipment figures (> 5% y-y) with demand expected to further increase due to ongoing population growth and urbanization in warmer climate zones
- Inverterization of cooling appliances > (fridges, freezers, coolers; third mostimportant appliances type for weighted semiconductor TAM) still < 50%

Source: Based on or includes research from Omdia, "Major Home Appliance Market Report 2019", August 2019

With the combined portfolio Infineon can offer full system solutions



Example: air-conditioning system



What makes system solution attractive to customers?

➤ Ease of design
 ⇒ combined portfolio covers all relevant system components

- Superior quality
 ⇒ integrated solution ensures
 MCU, power stage and
 peripherals work perfectly
 together
- Faster time-to-market
 ⇒ no additional integration or software development costs

Infineon heritage

Cypress heritage

What comes next? Mid- to long-term structural growth opportunities





collaborative robots

Adjacent



solar pumps



energy storage



eDelivery vehicles

New area



fuel cell



eMarine



eAviation



Power & Sensor Systems



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Short- to mid-term market outlook for PSS division's target applications



Application	Market Outlook for H2 CY20	Market Outlook for CY21
computing	 Computing shows resilience based on increased data traffic and acceleration towards cloud servers 	 Long-term drivers ensure to sustainable growth
communications	 5G infrastructure investment push strongly supported by government programs 	 Strong momentum expected to continue
smartphones	 Deteriorated consumer sentiment depressing demand Tendency to mid-tier phones 	 Strong rebound expected Especially 5G-enabled high-end phones profiting
consumer	 Household budget uncertainties lead to softening of consumer market 	 Catch-up of delayed purchases leading to market pick-up
Industrial	 While sub-applications like auto and lighting are affected strongly, others such as battery-powered tools show strong momentum 	 Speed of recovery in sub-segments will vary

PSS's growth is built on many applications from different sectors in power and non-power







PSS – Power



Infineon is the clear leader in MOSFETs; growth potential in power ICs



Discrete Power MOSFETs 2018 total market: \$7.58bn Infineon 27.7% (+0.7%-pt) **ON Semi** 13.1% STMicro 8.0% Toshiba 7.0% Renesas 7.0% Vishav 5.9% A & O 4.5% Nexperia 3.8% ROHM 2.2% Microchip 1.8%

Power ICs 2018 total market: \$25.62bn



Source: Based on or includes research from Omdia, "Power Semiconductor Market Share Database 2018", September 2019. Discrete Power MOSFET market incl. automotive MOSFETs. Power IC market incl. automotive power ICs.

Infineon and Spark Connected are joining forces to become the leader in notebook wireless charging solutions





- full compatibility with current WPC Qi standard
- > used for smartphones, hearables, and other devices



- high efficiency of up to 95%
- enabling similar performance as wire-based charging
- > no temperature problems



turnkey reference design incl. SW, HW, and design-in support enabling fast time-to-market



- leading foreign object detection enabling safe wireless power operation
- For "The Minotaur" 45 W wireless charging solution (transmitter and receiver), Infineon is providing MOSFETs, driver ICs, μC, connectivity ICs, USB controller, and security ICs

Transmitter; in the charging pad (demonstration device)

Receiver; in the notebook (demonstration device)



Four interrelated trends drive power semiconductor BoM in battery-powered applications



Interrelated trends for battery-powered applications



In total battery-powered applications are a significant growth driver for PSS' power business

Transition from 3G/4G to 5G drives demand in power semis for antennas and power supplies





- > driver #1: massive growth of data and computing power
- > driver #2: higher number of base stations due to denser network
- driver #3: ~4x higher power semiconductor content per radio board: from ~\$25 for MIMO antenna to ~\$100 for massive MIMO antenna array
- > driver #4: fog computing data center as a completely new market

What comes next? Mid- to long-term structural growth opportunities







5G infrastructure



hyperscale AI data center



Adjacent



on-board charger



power tools



home appliances

New area



collaborative robots



smart speaker



class D audio



PSS – RF and Sensing



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Main applications addressed by PSS sensors portfolio







Sensor markets targeted by PSS



3D ToF image sensor market



Source: Infineon estimates

Radar IC market (24 GHz and 60 GHz only)



Environmental sensor market***



Source: Yole, "Gas and Particle Sensors Report 2018", December 2018



Different market dynamics of selected PSS sensors

MEMS microphone

 Innovative products with best signal-to-noise ratio are very much valued by leading consumer electronic manufacturers. Outstanding audio experiences for active noise cancellation, transparent hearing and recording use cases. New applications like true wireless stereo earbuds offer good growth opportunities. 	 > Excellent market position with 24 GHz in automotive for blind spot detection. > New growth areas for 24 GHz and 60 GHz in consumer, IoT and industrial applications: advanced presence detection, people tracking and vital sensing. > Emerging market for in-cabin sensing.
3D ToF image sensor	Environmental sensors
 > With its XENSIV[™] REAL3[™] 3D ToF image sensors, Infineon serves the mobile device market since 2016. AR use cases expected to drive strong market growth from 2021 onwards. > Markets like robotics, in-cabin sensing and payment terminals offer additional potential. 	 Market entry in CO₂ sensor market with first revenues expected in FY21. XENSIV[™] PAS CO₂ sensor meets the two key criteria small footprint and high performance in an affordable way. Hence the sensor is suitable to monitor air quality in a broad selection of everyday devices.

Radar ICs (24 GHz and 60 GHz only)

Sweeping success of our XENSIV[™] MEMS microphones driven by unparalleled audio characteristics



Infineon's market share development in MEMS microphones





Source: Based on or includes research from Omdia, "MEMS Microphone Database 2019", January 2020

Technological progression of Infineon XENSIV[™] MEMS microphones





Connected Secure Systems



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Short- to mid-term market outlook for CSS division's target applications



Application	Market Outlook for H2 CY20	Market Outlook for CY21
Payment	 Concerns related to COVID-19 lead to accelerated adoption of contactless payments worldwide 	 Momentum in contactless payments expected to continue
Identity	 International travel restrictions due to COVID-19 affecting the issuance of passports and border control documents 	 Prolonged restrictions on international travel expected to further negatively affect the issuance of passports
Smart home, home appliances	 Demand disrupted by COVID-19 mainly due to supply chain disruptions, lower consumer spending power, as well as the restrictions on installation services 	 Return to growth, however, lower level than previously expected. New features and technologies enter production and spread across models
Gaming	 Positive trend in gaming driven by COVID-19 lockdowns as need for indoor family entertainment increases 	 Launch of new console models into the market expected to be offset by overall market saturation; Peak of demand driven by COVID-19 vanishes
Wearables	 Despite headwinds from COVID-19, global demand of smart watches still continues to grow driven by consumers' monitoring of health and fitness 	 New product launches expected to further boost demand

In IoT, the Cypress and Infineon portfolios complement each other for best-in-class solutions





CSS has an industry-leading offering built on multi-year investments and experience



Microcontroller	 > 15+ years of investment in PSoC portfolio with > 2bn MCUs shipped > major advantages of programmability and low power consumption > integrated security as a key feature, especially for IoT
CYW43012 CYW43012	 > excellent market reputation; 1bn+ wireless nodes shipped > proven interoperability between Wi-Fi and BT/BLE as well as monolithic integration into MCUs > a leader in combos and software stack ⇒ key for IoT applications
Security	 > leading security market player; unrivaled in security and contactless competence > full solution offered with software – making security easy-to-implement, especially for IoT devices
Software	 industry-leading software and toolbox: WICED, MODUS Toolbox software as a key differentiator and a major enabler for fast and easy implementation of MCU, connectivity and security solutions in IoT devices
Ecosystem	 > established developer community for hardware and software > fast, proven technical support infrastructure

Infineon's system solutions are based on crossdivisional product offerings to max. BoM content



Example: smart watch



Application pipeline continuously fueled by emerging topics



ineon



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First time inclusion of Cypress revenues*

Revenue development

[EUR m]



- Cypress revenue contribution close to €400m
- Revenue came in slightly better than expected
- Robust profitability driven by slightly lower underutilization charges and cost containment

* Consolidation of Cypress revenue as of 16 April 2020.



Q3 FY20 division performance





Adjusted RoCE above WACC

RoCE and adjusted RoCE



Adjusted RoCE (excl. effects from International Rectifier and Cypress acquisition, Deferred Tax Effects, RF Power sale)



Earnings-per-share and total cash return





Total cash return to shareholders





- Policy of sustainable dividend payout
- Dividend for FY19:
 €0.27 per share
- Dividend payout of €336m
 on 25 Feb 2020

Opex increase is almost entirely a result of the business combination





Research & Development*



* In FY19, reported R&D expenses amounted to €945m, net of €111m of grants received and net of €125m of capitalized development costs.

Trade working capital components reflect consolidation of Cypress



Working capital* [EUR m] 1,475 1,511 1,583 1,762 1,505 0 1 1,505 1,50

Trade receivables



Inventories



Trade payables

[EUR m]

-

[days]



* For definition please see page "Notes".

** Along with the integration of Cypress refund liabilities to customers are presented under "other current liabilities" instead of "trade receivables". Prior quarters' figures were adjusted accordingly for better comparability.
Cycle management slows down investments; D&A impacted by Cypress consolidation and PPA





* For definition please see page "Notes".



Financing of acquisition leading to net debt of €4.3bn



- > Q1 FY20: Proceeds from €1.2bn dual-tranche hybrid bond booked on 1 Oct 2019
- > Q2 FY20: Dividend payout of €336m in February 2020
- > Q3 FY20: closing of the acquisition of Cypress; entire acquisition financing facility drawn
 - raising €1.0bn via ABB and €2.9bn via bond issuance
 - repayment of the entire bridge facility; term loans remaining outstanding



Part of your life. Part of tomorrow.



Glossary (1 of 2)

ABB	accelerated book building	
AC	alternating current	
AC-DC	alternating current - direct current	
AD	automated driving	
ADAS	advanced driver assistance system	
AEB	automatic emergency braking	
AFS	advanced frontlight system	
AI	artificial intelligence	
AR	augmented reality	
ASP	average selling price	
BEV	battery electric vehicle	
BGA	ball grid array	
BLE	Bluetooth Low Energy	
ВоМ	bill of material	
BT	Bluetooth	
CPU	central processing unit	
CRC	cyclical redundancy check	
DC	direct current	
DC-DC	direct current - direct current	
DIY	do it yourself	
DPM	digital power management	
eCall	emergency call	
ECC	error correction code	

ECU	electronic control unit		
EPS	electric power steering		
eSIM	embedded subscriber identity module		
EV	electric vehicle		
FHEV	full hybrid electric vehicle		
FPGA	field programmable gate array		
G2M	go-to-market		
GaN	gallium nitride		
GPS	global positioning system		
GPU	graphics processing unit		
HEV	mild and full hybrid electric vehicle		
НМІ	human machine interaction		
HSM	hardware security module		
HST	high-speed train		
HVAC	heating, ventilation, air conditioning		
HW	hardware		
IC	integrated circuit		
ICE	internal combustion engine		
IGBT	insulated gate biploar transistor		
IoT	Internet of Things		
IPM	intelligent power module		
IVN	in-vehicle networking		
iPol	image processing line		



Glossary (2 of 2)

IRF	International Rectifier	
IVN	in-vehicle networking	
LCD	liquid crystal display	
LDO	low dropout voltage regulator	
LED	light-emitting diode	
LSEV	low-speed electric vehicle	
LSPS	LS Power Semitech Co. Ltd.	
μC	microcontroller	
Mb	megabit	
MCU	microcontroller unit	
MEMS	micro electro-mechanical systems	
MHA	major home appliances	
MHEV	mild hybrid electric vehicle	
MIMO	multiple input, multiple output	
micro- hybrid	vehicles using start-stop systems and limited recuperation	
mild-hybrid	vehicles using start-stop systems, recuperation, DC-DC conversion, e-motor	
MOSFET	metal-oxide silicon field-effect transistor	
MPU	microprocessor unit	
OBC	on-board charger	
OEM	original equipment manufacturer	
P2S	Infineon's strategic product-to-system approach	
PAS	photoacoustic spectroscopy	
PFC	power factor correction	
PHEV	plug-in hybrid electric vehicle	
PMIC	power management IC	

Pol	point-of-load		
PSoC	programmable system-on-chip		
PV	photovoltaic		
RF	radio frequency		
rhs	right-hand scale		
Si	silicon		
SiC	silicon carbide		
SiGe	silicon germanium		
SMPS	switch-mode power supply		
SNR	signal-to-noise ratio		
SoC	system-on-chip		
SOTA	software over-the-air		
SPI	serial peripheral interface		
SRAM	static random access memory		
SW	software		
TAM	total addressable memory		
тсо	total cost of ownership		
ToF	time-of-flight		
TPM	trusted platform module		
UPS	uninterruptible power supply		
USB	universal serial bus		
V2X	vehicle-to-everything communication		
VR	virtual reality		
VSD	variable speed drive		
Wi-Fi	wireless fidelity		
xEV	all degrees of vehicle electrification (EV. HEV. PHEV)		



Disclaimer

Disclaimer

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Deutscher Zukunftspreis 2015, laureate Infineon, photographer Ansgar Pudenz, Hamburg (Germany).



Financial calendar

Date	Location	Event
19 Aug 2020	Baden-Baden \rightarrow virtual	Lampe Bank German Conference
1 – 2 Sep 2020	Chicago → virtual	Jefferies Annual Semiconductor, IT Hardware & Communications Infrastructure Summit
2 Sep 2020	Japan → virtual	UBS Japan in Focus Conference
3 Sep 2020	London \rightarrow virtual	dbAccess European TMT Conference
8 – 9 Sep 2020	New York \rightarrow virtual	Citi 2020 Global Technology Virtual Conference
14 Sep 2020	San Francisco \rightarrow virtual	DB Global Technology Conference
21 Sep 2020	Unterschleißheim (nearby Munich) → virtual	Berenberg Goldman Sachs German Corporate Conference
22 Sep 2020	Munich	Baader Investment Conference
5 – 6 Oct 2020	London → virtual	ATV Roadshow and Call
9 Nov 2020*		Q4 FY20 and FY 2020 Results
18 Nov 2020	Barcelona \rightarrow virtual	Morgan Stanley TMT Conference
23 Nov 2020	Frankfurt	DZ Bank 11 th Equity Conference

* preliminary



ESG footnotes

- 1) This figure considers manufacturing, transportation, function cars, flights, materials, chemicals, water/waste water, direct emissions, energy consumption, waste, etc. and is based on internally collected data and externally available conversion factors. All data relate to the 2019 fiscal year. Manufacturing service providers are not included.
- 2) This figure is based on internally established criteria, which are explained in the explanatory notes. The figure relates to the calendar year 2018 and considers the following fields of application: automotive, LED, induction cookers, server, renewable energy (wind, photovoltaic), mobile phone chargers as well as drives. CO₂ savings are calculated on the basis of potential savings of technologies in which semiconductors are used. The CO₂ savings are allocated on the basis of Infineon market share, semiconductor content and lifetime of the technologies concerned, based on internal and external experts' estimations.
- 3) Calculation based on average polycrystalline photovoltaic cells and the average yearly solar radiation of central Germany.
- 4) Based on the average electricity consumption of private households in Germany and official energy conversion factors.
- 5) Calculation based on average passenger capacity and direct flight route using externally available data and conversion factors.



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
- 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') sale')

DIO (days inventory outstanding; quarter-to-date) = ('Net Inventories' / 'Cost of goods sold') x 90

DPO (days payables outstanding; quarter-to-date) = ('Trade payables' / ['Cost of goods sold' + 'Purchase of property, plant and equipment']) x 90

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

*without debtors with credit balances

<u>Please note:</u> 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.



For further reading

IPC Business Update Dr. Peter Wawer, Dr. Peter Friedrichs 7 May 2020



https://www.infineon.com/pcim_presentation

ATV Call Peter Schiefer 8 October 2019



https://www.infineon.com/atv_call

Sustainability Report 2019 23 November 2019



https://www.infineon.com/sustainability_2019

IFX Day 2018 Capital Markets Day London, 12 June 2018



https://www.infineon.com/ifxday_2018



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