

# Infineon at a glance 2020

Special edition

[www.infineon.com](http://www.infineon.com)



# We are shaping the future

For an easier, safer and greener world

The digital revolution is transforming our world. A rapid stream of innovative products and services touches almost every facet of our everyday lives. We are playing a key role in shaping a better future – with microelectronics that link the real and the digital world. Our semiconductors enable smart mobility, efficient energy management and the secure capture and transfer of data.



## We make life easier

Smart functions like speech recognition, gesture control and 3D applications (augmented/virtual reality) improve the usability and convenience of everyday items such as speakers, wearables and smartphones. Regardless of whether they are used in silicon microphones, radar sensors or 3D sensors, semiconductors from Infineon make life easier. In addition, our power semiconductors are bringing increasingly compact and lightweight adapters, shorter charging cycles and longer battery lives to mobile devices.

## **We make life safer**

As web-based services proliferate, so too does the need to protect digital communication, connected devices, electronic payments and identification documents like ePassports against misuse. Our security solutions use innovative encryption technologies to safeguard identities and data. In the Internet of Things, they ensure that devices and services can be reliably authenticated. In addition, we contribute to road safety – through solutions that correct driver errors and prevent accidents. Infineon sensors, microcontrollers and security ICs enable a host of comfort and convenience features while securely and intelligently connecting vehicles.



## **We make life greener**

Our world needs more and more energy. Which is why we have to produce, store, transmit and use energy more efficiently. Semiconductors from Infineon are used to generate electricity effectively from solar and wind sources. They also enable energy to be transmitted with almost no losses. Our technologies help make cars, trains, industrial plants, data centers, consumer electronics and household appliances as energy efficient as possible.



## Infineon's business segments and target applications

### ATV



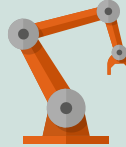
### Automotive

Infineon's ATV division is shaping the future of mobility by enabling clean, safe and smart vehicles. ATV supports the growing electrification of

previously hydraulic and electromechanical systems plus a steady stream of safety, convenience and lighting innovations. In addition, the ATV product and solution spectrum is powering the transition towards hybrid and pure electric vehicles, and towards higher levels of automation.

With more than 40 years' experience in automotive semiconductors, ATV is a world leader in this field. As the global number 1 in power semiconductors, ATV's expertise in SiC is also increasingly resonating with the automotive market. In addition, the company ranks number 1 in radar sensor chips for driver assistance systems, also supporting this application with its highly scalable AURIX™ microcontrollers. The division's success builds on its vast system knowledge combined with its passion for innovation and quality.

### IPC



### Industrial Power Control

Infineon's IPC division delivers leading semiconductor solutions for smart and efficient energy generation, storage, transmission

and consumption. Its broad application spectrum extends from photovoltaic installations, wind turbines and high-voltage DC transmission systems through energy storage systems to charging infrastructures for electric vehicles, industrial drives, trains and home appliances. Infineon is the world leader in IGBT-based power semiconductors and modules. To strengthen its core IPC business, this division leverages its technology leadership in the promising wide-bandgap material SiC, complementing its innovative drive with a strong belief in integration and digitalization. Both the IPMs (Intelligent Power Modules) from Infineon's CIPOS™ family and the motion control solutions from the iMOTION™ family empower customers to use energy more efficiently.

## PSS



## Power & Sensor Systems

Infineon's PSS division offers a wide range of world-class power and sensor technologies. Highly precise XENSIV™ sensing solutions such

as MEMS microphones, pressure sensors and radar sensors, advanced 3D ToF imagers are bringing “human” senses to IoT devices, enabling them to react to their surroundings. In addition the next generations of Si-, SiC- and GaN-based products mark a new efficiency and reliability paradigm for power solutions that build smart sensing, computing and actuation functions into the very core of intelligent devices. PSS's portfolio also integrates cooler, smaller and lighter audio amplifiers, which enable customers to create better-sounding systems and deliver exceptional audio performance with HMI-enabled speakers and other audio products. These technologies combine to make human-to-machine and machine-to-machine interaction energy efficient, safe and seamless.

## DSS



## Digital Security Solutions

Infineon's DSS division provides security for the connected world. For over 30 years, DSS has been delivering security solutions for some of

the world's largest security projects spanning areas as diverse as consumer electronics, IT equipment, IoT devices, credit cards, electronic passports and ID cards. DSS is at the forefront of security solutions that provide robust protection of devices, machines, identities, intellectual property (IP) and data. The division's success is built on its ability to adopt a holistic approach, which starts with an in-depth understanding of each customer's system and respective security needs. This approach enables DSS to deliver tailored security solutions combining security microcontrollers with software. With DSS, customers also benefit from ease of implementation and cost efficiency. Furthermore, this division acts as a center of competence, supporting Infineon's three other divisions with state-of-the-art security expertise.

At Infineon, we align our corporate social responsibility (CSR) strategy with the principles of the UN Global Compact, which we have been a member of since 2004. Our CSR strategy covers the following areas of activity:

**Business ethics:** Integrity shapes the way we do business and interact with customers, shareholders, business partners, employees and the general public. This commitment to integrity forms the basis of our Business Conduct Guidelines.

**Environmental sustainability:** Our Infineon Integrated Management Program for Environment, Energy, Safety and Health (IMPRES) is certified according to ISO 14001. At our largest European sites and our corporate headquarters (Campeon), our energy management system is also certified according to ISO 50001.

**Corporate citizenship:** At Infineon, our corporate citizenship activities are centered on social engagement projects that benefit the communities in which we operate.

**CSR in the supply chain:** Our suppliers have to comply with our Business Conduct Guidelines and our Principles of Purchasing.

**Occupational health and safety:** Our Occupational Health and Safety Management System is certified in accordance with OHSAS 18001.

**Human resources management:** Our human resources work focuses on developing our existing workforce and recruiting new staff.

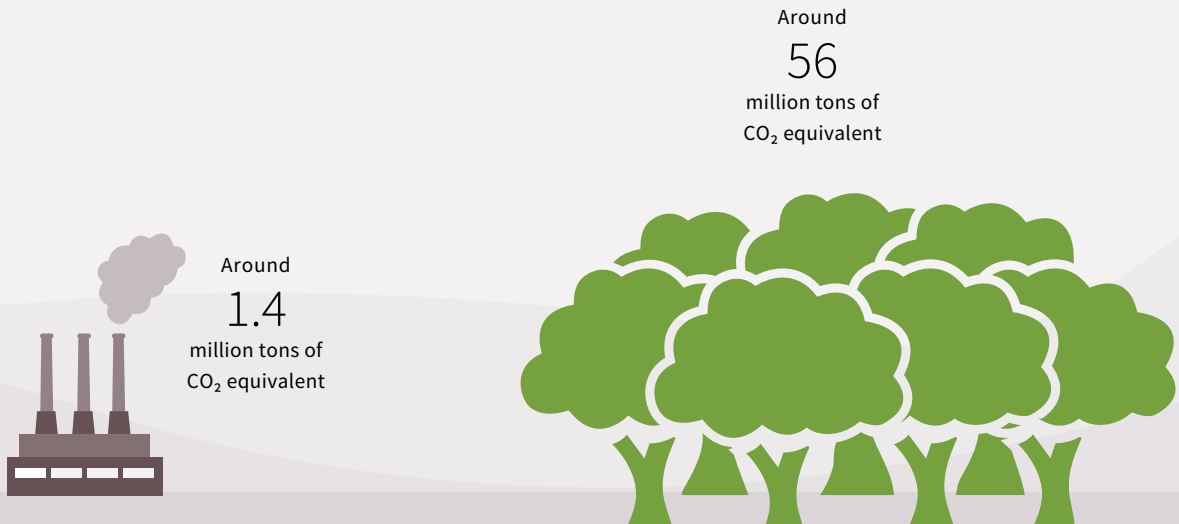
Infineon is listed in major sustainability indices. For further information on our CSR strategy, visit: [www.infineon.com/sustainability](http://www.infineon.com/sustainability)

<sup>1</sup> This figure considers manufacturing, transportation, company cars, flights, raw materials and supplies, chemicals, water/wastewater, direct emissions, energy consumption, waste, etc. It is based on data collected internally and conversion factors that are publicly available. All data relates to the 2019 fiscal year of Infineon excluding Cypress. Manufacturing service providers are not included in this figure.

<sup>2</sup> The figure relates to the 2018 calendar year of Infineon excluding Cypress and is calculated for the following fields of application: automotive, LEDs, induction cookers, PC power supplies, renewable energy (wind, photovoltaic), cellphone chargers and drives. CO<sub>2</sub> savings are calculated on the basis of the potential savings resulting from technologies in which semiconductors are used. The CO<sub>2</sub> savings are allocated on the basis of the Infineon market share, semiconductor content and lifetime of the technologies concerned, based on internal and external experts' estimations. Despite the fact that precise CO<sub>2</sub> footprint calculations are subject to uncertainty due to the complex factors involved, the results are nevertheless clear.

# Corporate social responsibility

## CO<sub>2</sub> footprint



CO<sub>2</sub> burden <sup>1</sup>

Ratio around 1:40

CO<sub>2</sub> savings <sup>2</sup>

Net ecological benefit: CO<sub>2</sub> emissions reduction of more than 54 million tons



A world leader in semiconductor solutions



### Our vision

We are the link between the real and the digital world.

### Our values

We commit  
We partner  
We innovate  
We perform

### Our mission

We make life  
easier, safer  
and greener.

Part of your life. Part of tomorrow.





## Infineon and Cypress:

Together we belong to the top 10 semiconductor manufacturers in the world

Cypress is a US-based semiconductor design and manufacturing company, providing programmable mixed-signal solutions, memories and integrated semiconductor solutions worldwide. The company was founded in 1982 and the headquarters is located in San Jose, California. Cypress operates at over 15 sites in the US, Europe and Asia and run a manufacturing facility in Austin, TX. Since 16 April 2020 Cypress is part of Infineon.

The addition of Cypress lets Infineon further strengthen its focus on structural growth drivers and on a broader range of applications. Customers can benefit from an increased global reach and enhanced design-in support tailored to their needs.

“With Cypress we are taking a landmark step in Infineon’s strategic development. Together, we are developing into a leading supplier of system solutions for automotive, industrial and IoT applications with the most comprehensive portfolio in the industry. This brings us a big step closer to our goal: We are linking the real world with the digital world and shape digitization.”

**Reinhard Ploss (CEO)**

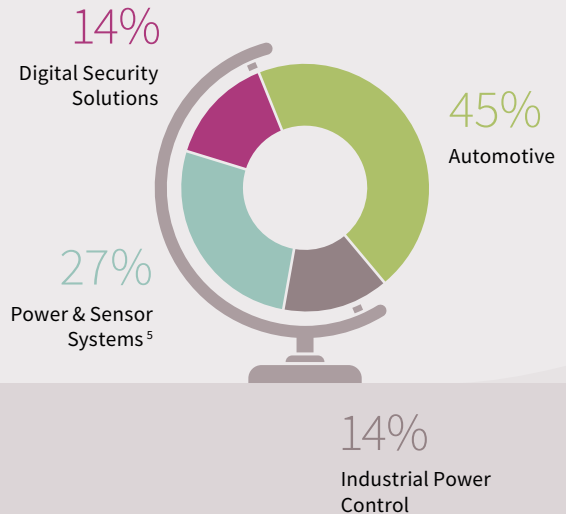
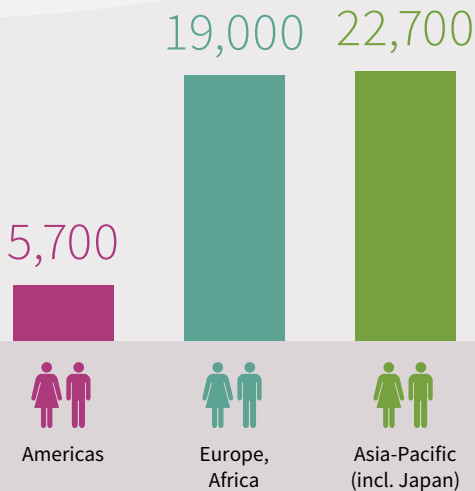
# Facts & figures

47,400

employees worldwide  
as of November 2019<sup>3</sup>

9,941

Revenue in the 12-month period  
ended 31 March 2020  
in EUR million<sup>4</sup>



<sup>3</sup> For Infineon and Cypress combined

<sup>4</sup> Revenue (for Infineon and Cypress combined) of €9,941m includes OOS and C&E of €16m

<sup>5</sup> Until 31 March 2020: Power Management & Multimarket

# Market shares

## Automotive electronics

Number 1 in automotive semiconductors<sup>6</sup>

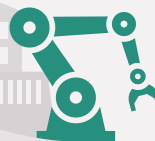
13.4%



## Industrial electronics

Number 1 in the total market  
for discrete power semiconductors  
and modules 16 years in a row<sup>7</sup>

19.9%



## Sensor technology

Number 2 in silicon microphones<sup>8</sup>

37.0%



## Security

Number 2 in smart card  
and security ICs<sup>9</sup>

24.3%



<sup>6</sup> Source: Strategy Analytics, May 2020, the 2019 market share is the combined market share of Infineon and Cypress based on their individual figure

<sup>7</sup> Source: Based on or includes research from Omdia, "Power Semiconductor Market Share Database – 2018", September 2019

<sup>8</sup> Source: Market shares MEMS Microphones Die Supplier based on or includes research from Omdia, "MEMS Microphones Database 2019v2", January 2020

<sup>9</sup> Source: ABI Research, September 2019

The information is not an endorsement of Infineon Technologies AG by Omdia. Any reliance on these results is at the third party's own risk.



### Want to know more:

Scan this or any other page – we regularly update this animated content, so check it out from time to time and keep your finger on the pulse!



## Bring our flyer to life!

This app reaches beyond our flyer to present additional information about Infineon. In addition to videos, it brings you augmented reality features so you can immerse yourself directly in the world of Infineon.

**Immerse yourself in the digital world of Infineon  
in just 3 easy steps:**

- 1 Scan the QR code
- 2 Download the app
- 3 Embark on your voyage of discovery



## Infineon Technologies AG

81726 Munich  
Germany

Published by Infineon Technologies AG

© 2020 Infineon Technologies AG.  
All rights reserved.

Document number: B192-H9569-V13-7600-EU-EC-P  
Date: 05 / 2020

Picture reference cover:  
Deutscher Zukunftspreis 2015,  
laureate Infineon,  
photographer Ansgar Prudeniz

[www.infineon.com](http://www.infineon.com)