



Company Presentation

Infineon Technologies AG
May 2021



Infineon is a globally leading semiconductor player



top 10
semiconductor company

~46,700
employees*

leading player
in automotive, systems for power
management and drives, sensor systems,
connected secure systems, wireless combos,
differentiated memories

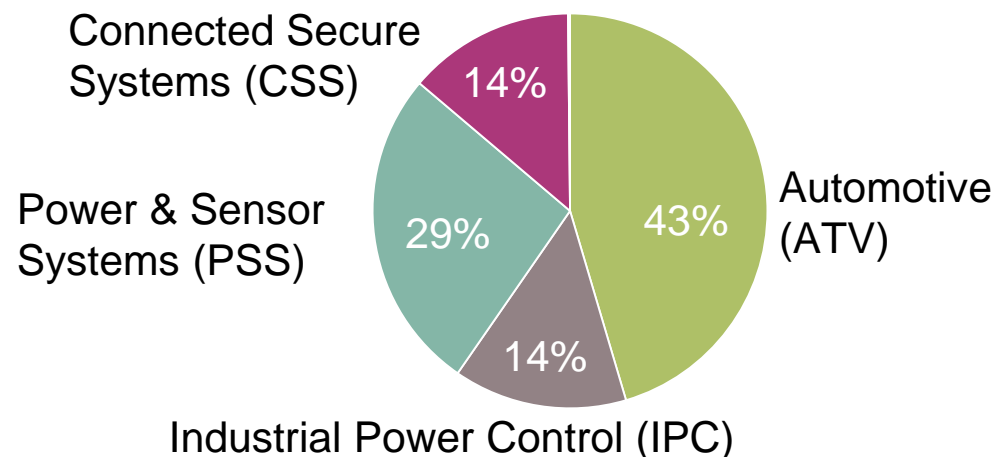
9%+ | 19% | 13%
target operating model**

* as of 30 September 2020

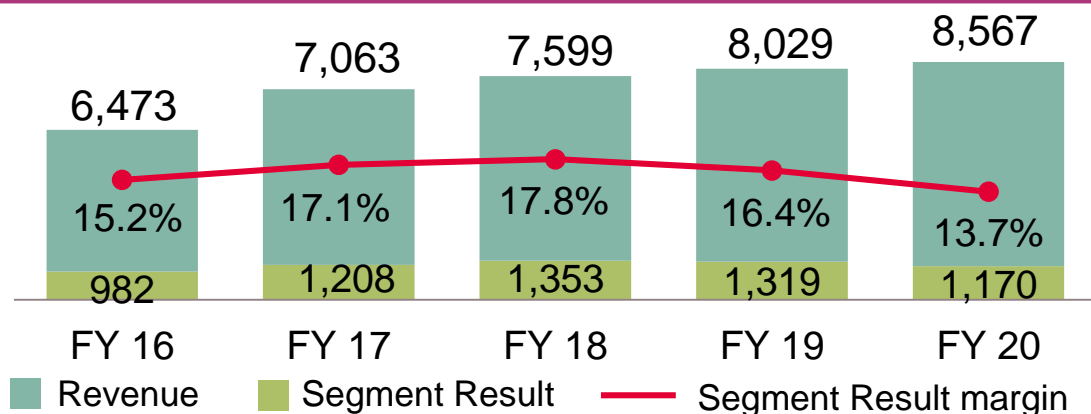
** over the cycle 9%+ revenue growth; 19% Segment Result margin; investment-to-sales ratio of 13%; targets to be approached as integration progresses

Infineon at a glance

Business Segments Revenue*



Financials

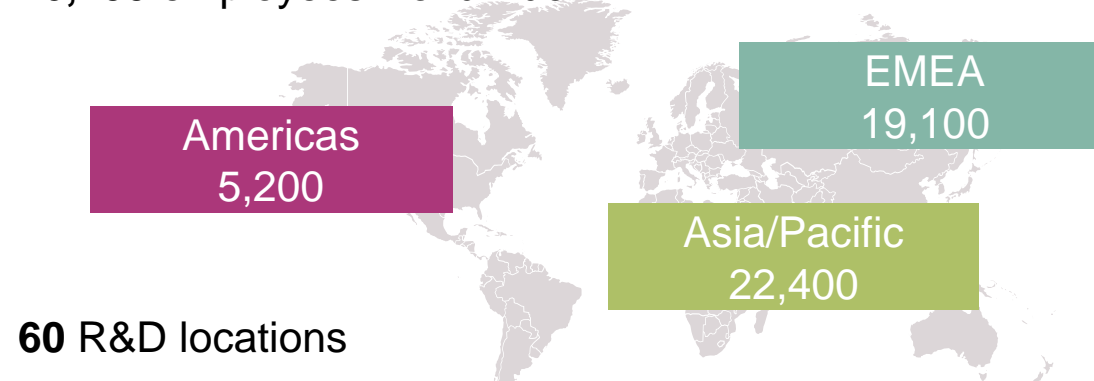


*2020 Fiscal Year (as of 30 September 2020)

**as of 1 April 2021

Employees*

46,700 employees worldwide



60 R&D locations

19 manufacturing locations**

Market Position



For further information: [Infineon Annual Report 2020](#)

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.

Global megatrends underline the increasing importance of microelectronics



Demographic & social change



Climate change & resource scarcity



Urbanization



Digital transformation

Business growth in the semiconductor market is driven by four areas

Energy efficiency



Mobility



Security



IoT and big data



Energy efficiency



Growth area: Energy efficiency

Rising demand for energy, growing depletion of fossil resources and climate change challenge our world to find smarter, more efficient ways of generating, transmitting, distributing, storing and using energy. The efficiency potential of technology and semiconductors in particular can throughout the entire energy conversion chain significantly contribute to achieving the long-term, global savings goals.

A strong commitment to energy efficiency has been part of Infineon's DNA for over 40 years. As the global leader in power semiconductors, our products and solutions allow energy to be generated more efficiently – especially from renewable sources, to be transmitted and distributed with reduced losses and to be used across the widest application spectrum from electric vehicles through data centers to smart buildings.

Growth drivers and major product categories

- > **Power generation from renewable energy sources:** IGBT modules, SiC modules, discrete power devices
- > **Energy transmission and distribution:** High-power IGBT modules
- > **Energy storage:** IGBT modules, SiC modules
- > **Energy usage:** Discrete power devices, IGBT modules, driver ICs, MCUs, SiC modules, SiC MOSFETs, SiC diodes, GaN HEMTs

Mobility



Growth area: Mobility

Megatrends like demographic shifts, social change and urbanization present society with new mobility challenges. Cities need to manage growing public and private traffic volumes while also mitigating the environmental and climate impact of all this mobility.

Through its semiconductors, Infineon is building more intelligence, responsiveness and autonomy into transport systems – enabling mobility solutions ranging from eBikes and eScooters through hybrid and fully electric vehicles to underground and high-speed trains.

Growth drivers and major product categories

- › **Electro-mobility:** IGBT modules, SiC modules, discrete power devices, MCUs, sensors
- › **Charging infrastructure for electro mobility:** IGBT modules, SiC modules, SiC discretes, discrete power devices, MCUs, security solutions
- › **Automated driving:** Sensors, radar, MCUs, power devices, memories, connectivity and security solutions
- › **Passenger and freight transport:** High-power IGBT modules
- › **Infotainment:** MCUs, touch control, Wi-Fi/BT controllers, USB Type-C PD controllers

Security



Growth area: Security

In an increasingly digital world with more and more connected devices, people want to interact and communicate in a secure way that protects their data against theft and misuse. Securing electronic devices and infrastructures is a number one priority.

Addressing this need for security is one of Infineon's key competencies. We provide our customers with robust, future-oriented embedded security hardware for electronic devices, computer systems, network components and industrial facilities.

Growth drivers and major product categories

- › **Mobile devices:** Security solutions based on contactless and dual-interface security controllers
- › **Authentication for the IoT:** Embedded security solutions
- › **Industrial application:** Embedded security solutions, TPMs, connectivity solutions
- › **Connected vehicles:** Embedded SIMs, connectivity solutions
- › **Integrity of devices:** TPMs

IoT and big data



Growth area: IoT and big data

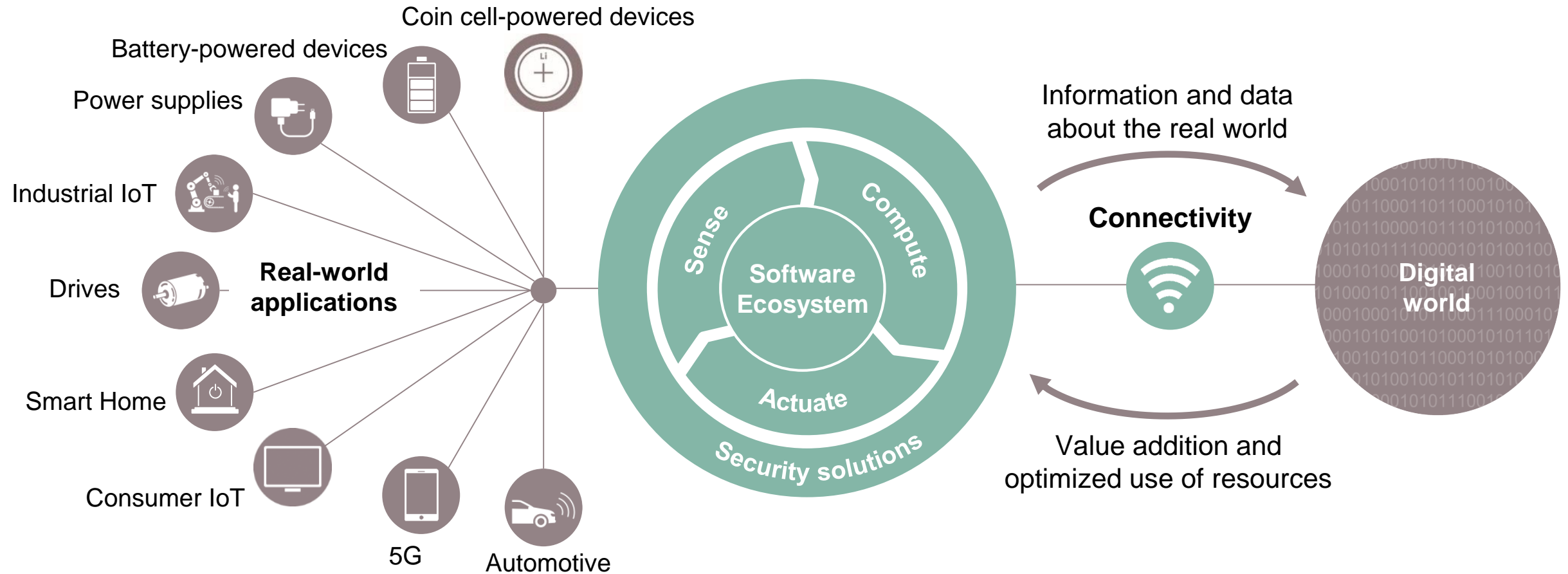
The IoT is reaching a breakthrough point as technologies and components work together more seamlessly. Smart and connected objects link the real with the digital world, helping us to tackle the major challenges of our time, such as climate change and the growing world population.

It is impossible to imagine the world of IoT and big data without microchips, which is why Infineon is the backbone of the IoT. Our capabilities in sensing, computing, actuating, connecting and securing unlock new markets and applications. They make the IoT smart, easy and energy-efficient. As a leader in semiconductor system solutions, we make the IoT what it needs to be: secure, easy and real. We make the IoT work.

Growth drivers and major product categories

- › **Smart cars:** Sensors, radar, MCUs, power devices, memories, connectivity solutions, security solutions
- › **Smart home and smart building:** Sensors, MCUs, power devices, memories, connectivity solutions, security solutions
- › **Smart things:** Sensors, MCUs, power devices, memories, connectivity solutions, security solutions
- › **Smart factory:** Sensors, MCUs, power devices, memories, connectivity solutions, security solutions
- › **Data and communication infrastructure:** Power devices, memories, SiC devices, GaN HEMTs, RF devices

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



Sense: sensors

Compute: microcontrollers, memories

Actuate: power semiconductors

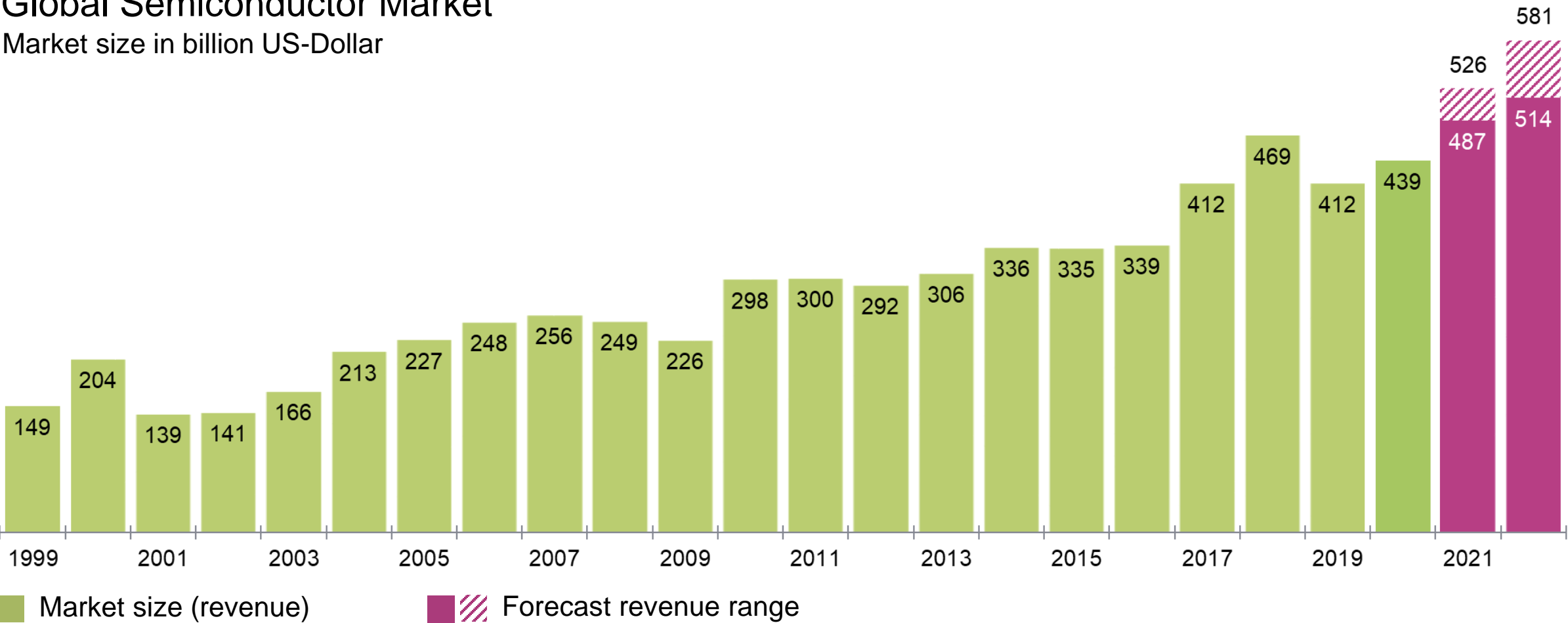
Connectivity: Wi-Fi, Bluetooth, USB

Semiconductor market will grow strongly in 2021 and 2022 according to forecasts



Global Semiconductor Market

Market size in billion US-Dollar

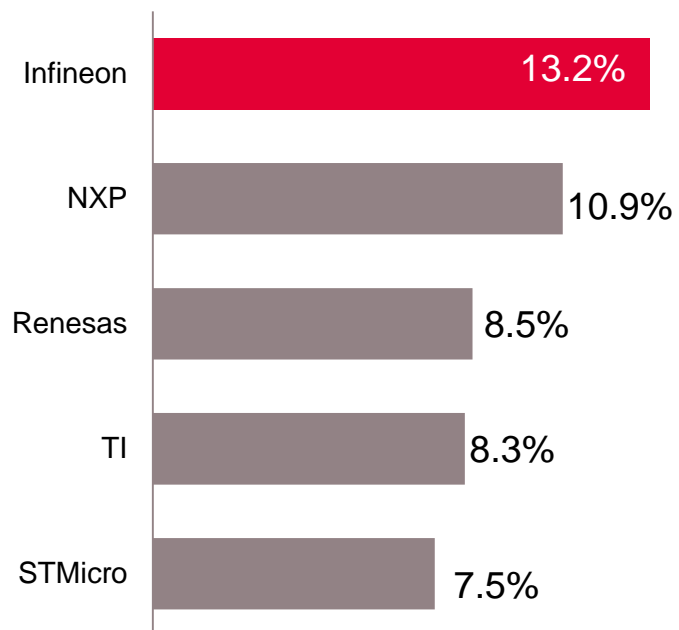


Source: WSTS for historical data. Forecast: Ø of WSTS, Omdia, Gartner, IC Insights, VLSI Research; last update 26 April 2021

Infineon is a top player in all target markets

Automotive semiconductors

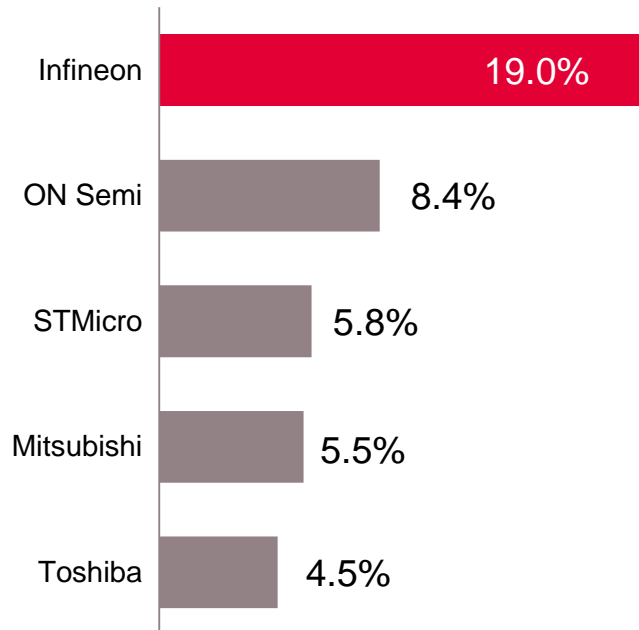
total market in 2020: \$35.0bn



Source: Based on or includes research from Strategy Analytics, "Automotive Semiconductor Vendor Market Shares", April 2021

Power discretes and modules

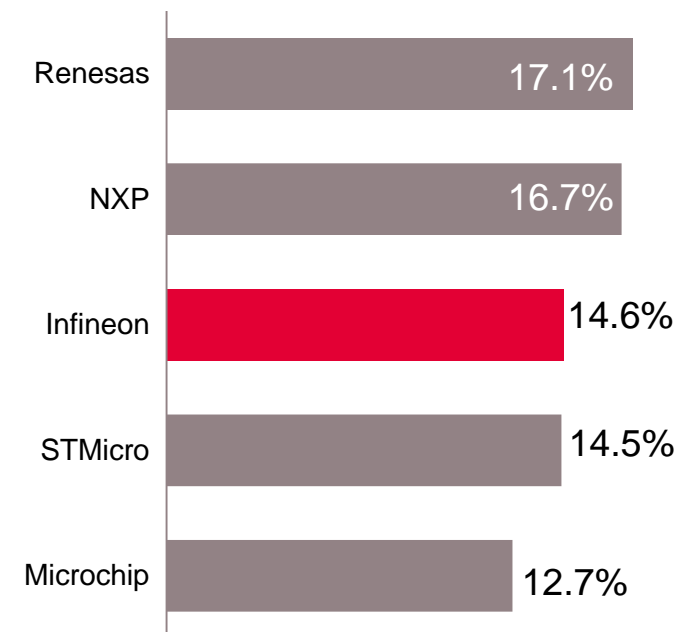
total market in 2019: \$21.0bn



Source: Based on or includes research from Omdia, "Power Semiconductor Market Share Database – 2020", September 2020

Microcontroller suppliers

total market in 2020: \$17.3bn

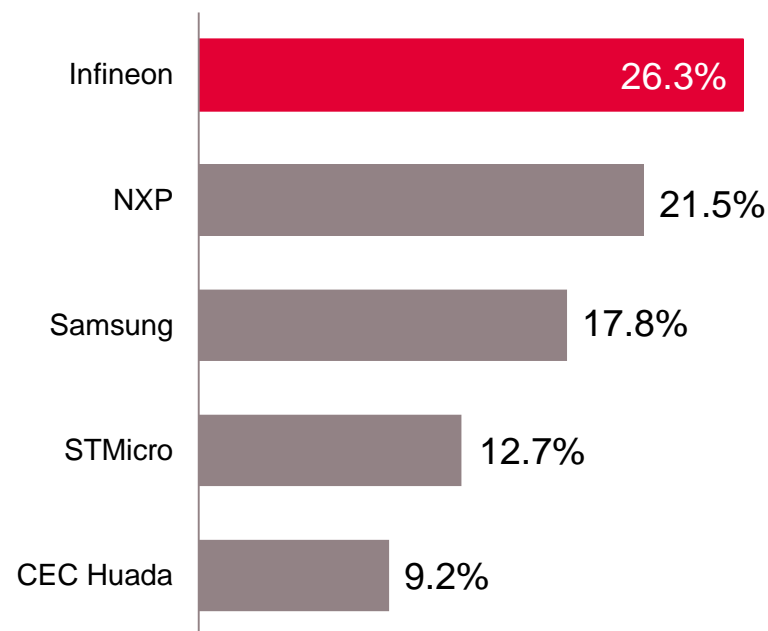


Source: Based on or includes research from Omdia, "Annual 2001-2020 Semiconductor Market Share Competitive Landscaping Tool – Q4 2020", March 2021

Infineon is a top player in all target markets

Security ICs

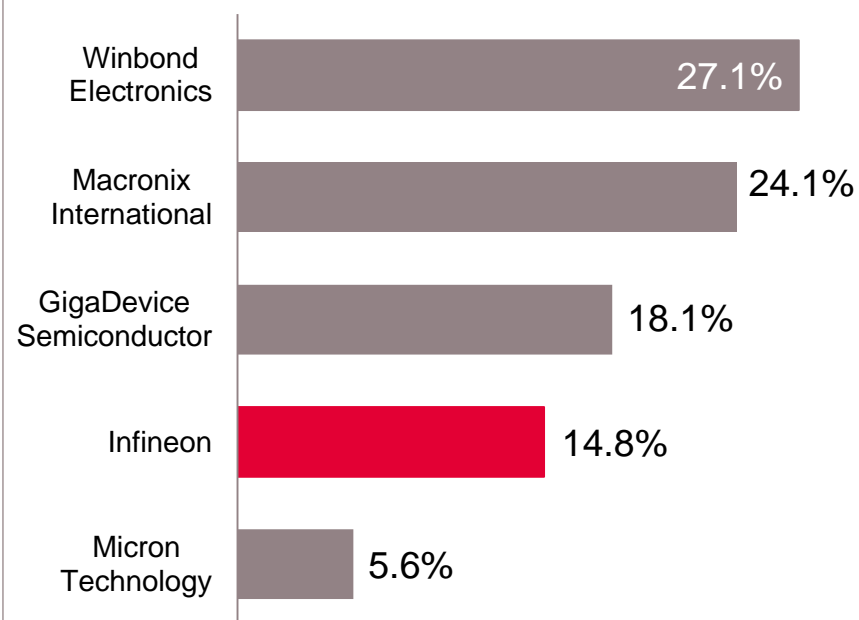
total market in 2019: \$2.8bn



Source: Based on or includes research from ABI Research, "Smart Card and Embedded Security", October 2020

NOR Flash

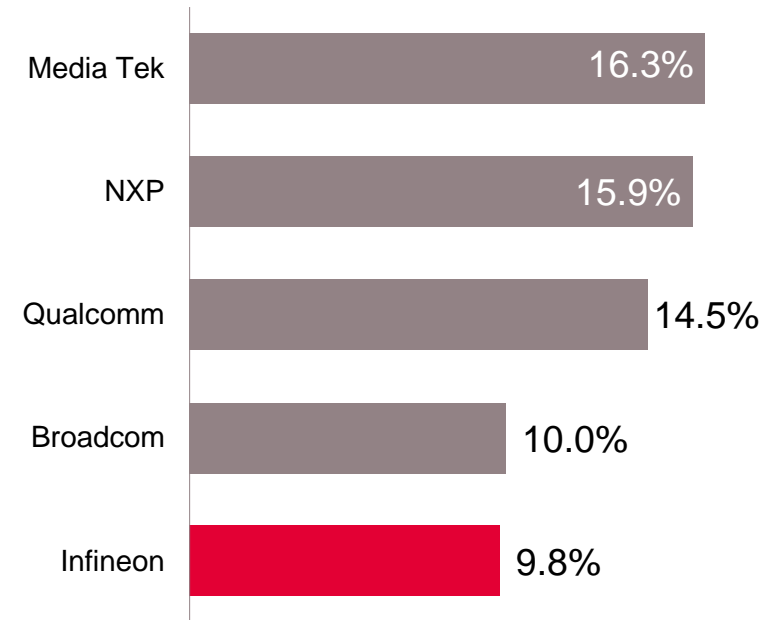
total market in 2020: \$2.4bn



Source: Based on or includes research from Omdia, "Annual 2001-2020 Semiconductor Market Share Competitive Landscaping Tool – Q4 2020", March 2021

Wi-Fi standalone ICs

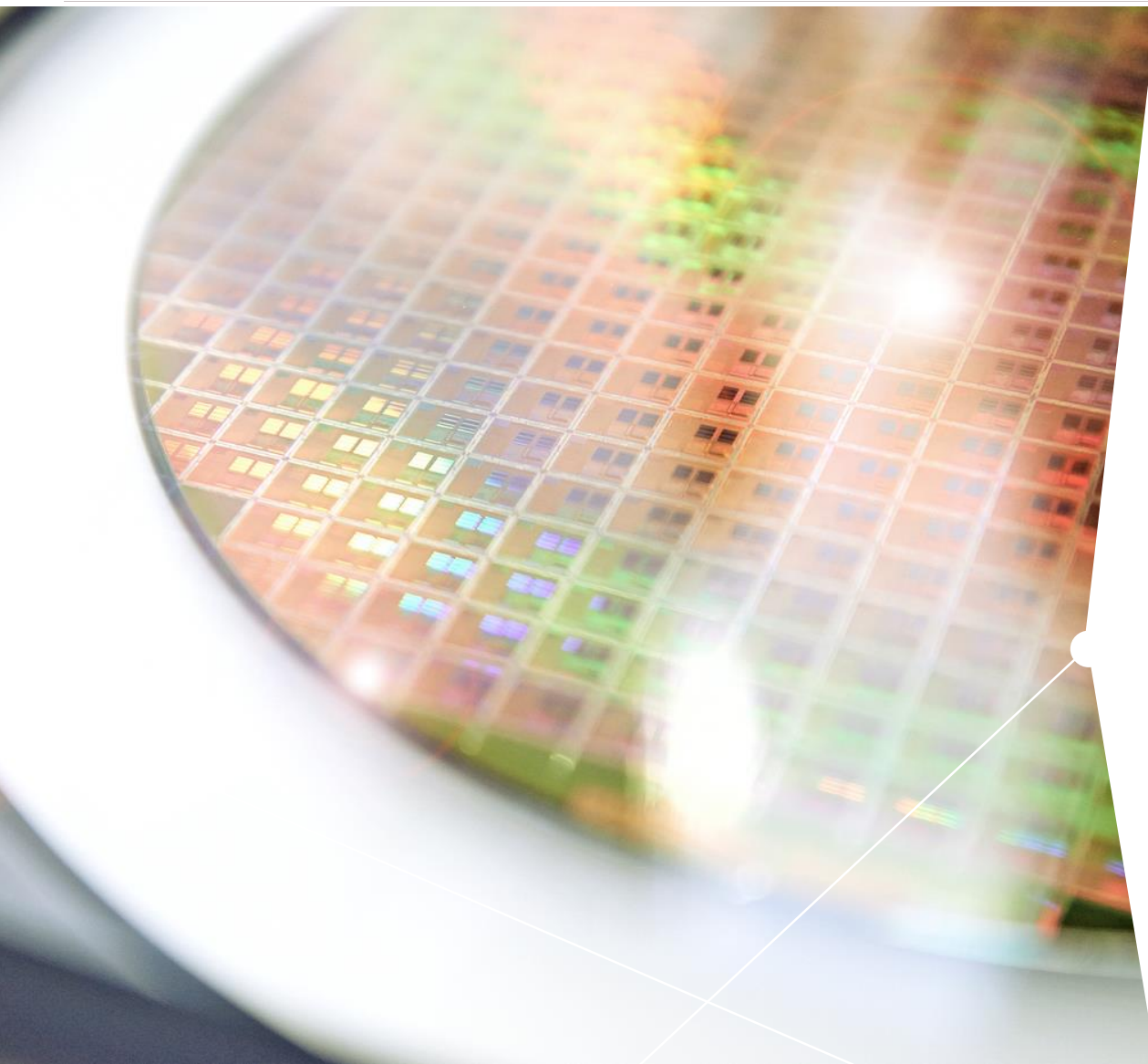
total market in 2019: 987m units



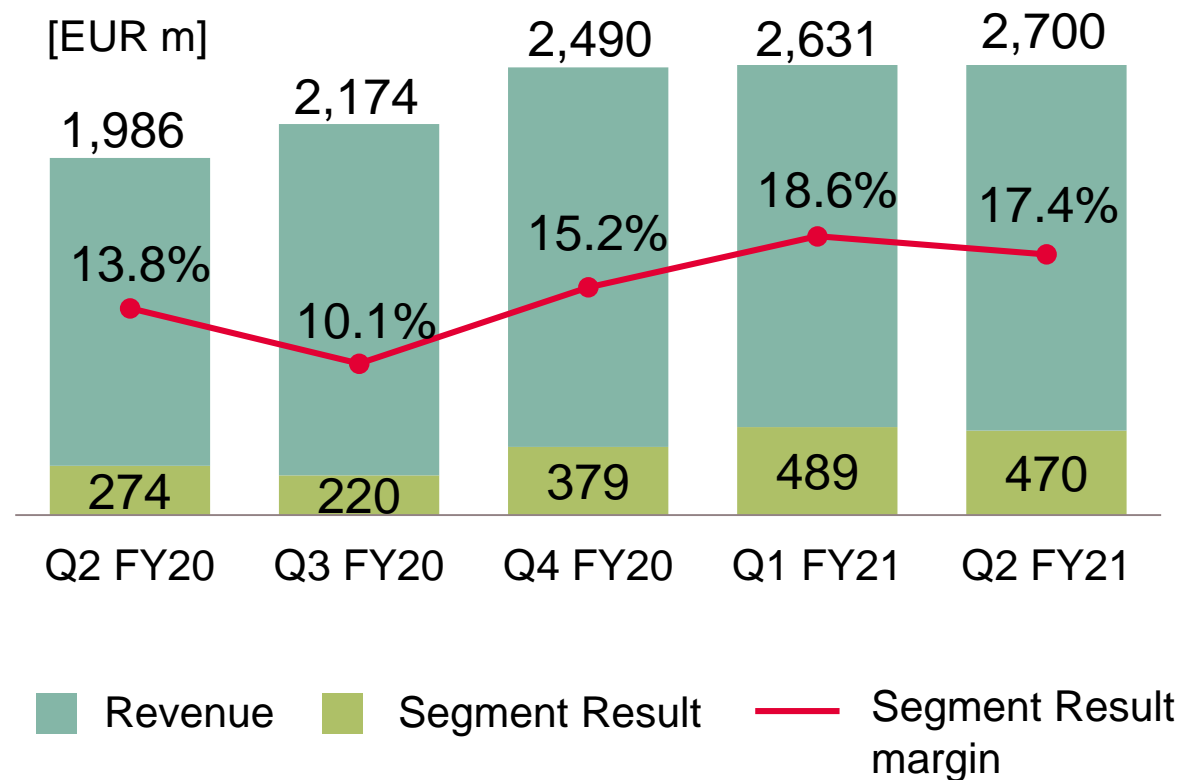
Infineon is focusing on wearables and IoT but not addressing routers, PCs, notebooks, tablets.

Source: Based on or includes research from ABI Research, "Wireless Connectivity Technology Segmentation and Addressable Markets – Q3 2020 Update", July 2020

Infineon follows a profitable growth path



Revenue and Result



Revenue Split by Segment

Connected Secure Systems



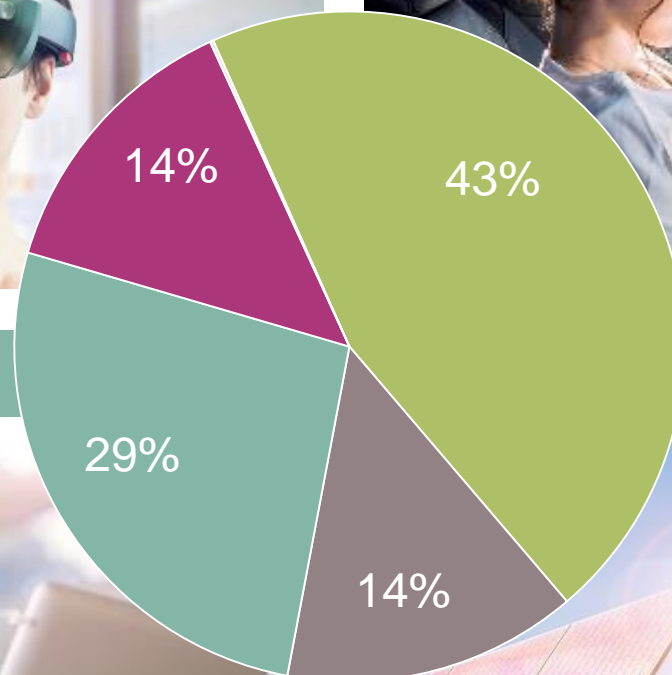
Automotive



Power & Sensor Systems



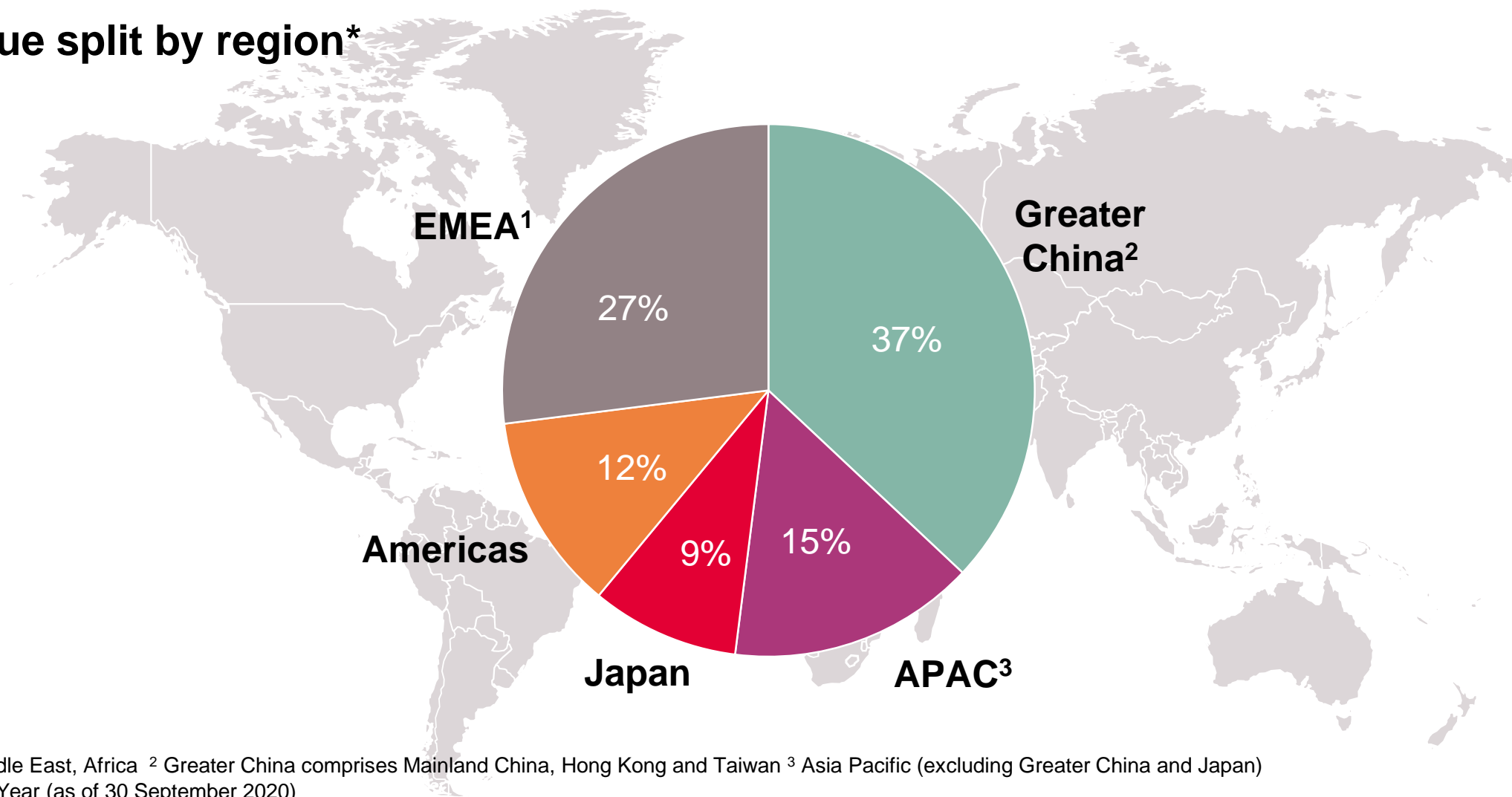
Industrial Power Control



*2020 Fiscal Year (as of 30 September 2020)

Infineon is operating in all major regions of the world

Revenue split by region*



¹ Europe, Middle East, Africa ² Greater China comprises Mainland China, Hong Kong and Taiwan ³ Asia Pacific (excluding Greater China and Japan)

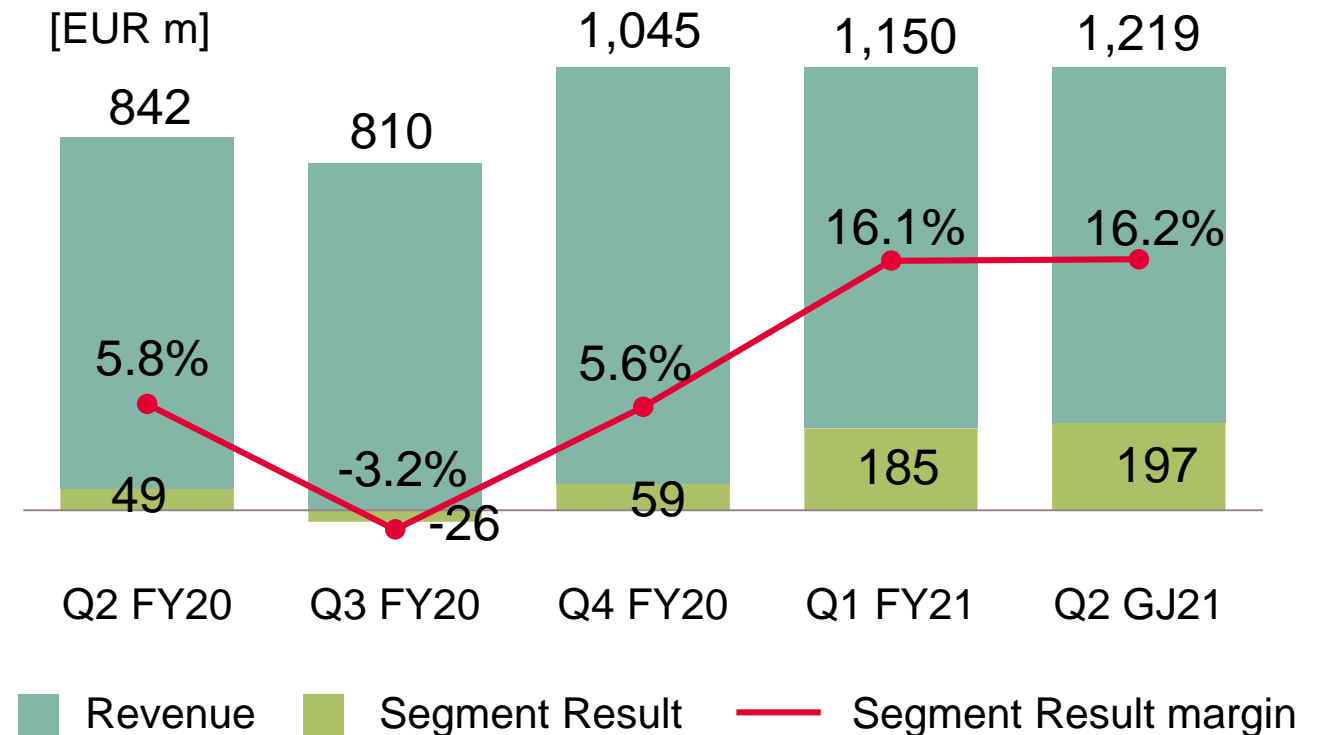
* 2020 Fiscal Year (as of 30 September 2020)

Automotive shapes the future of mobility with microelectronics enabling clean, safe and smart cars



Core applications:

Assistance systems and safety systems, Comfort electronics, Infotainment, Powertrain, Security

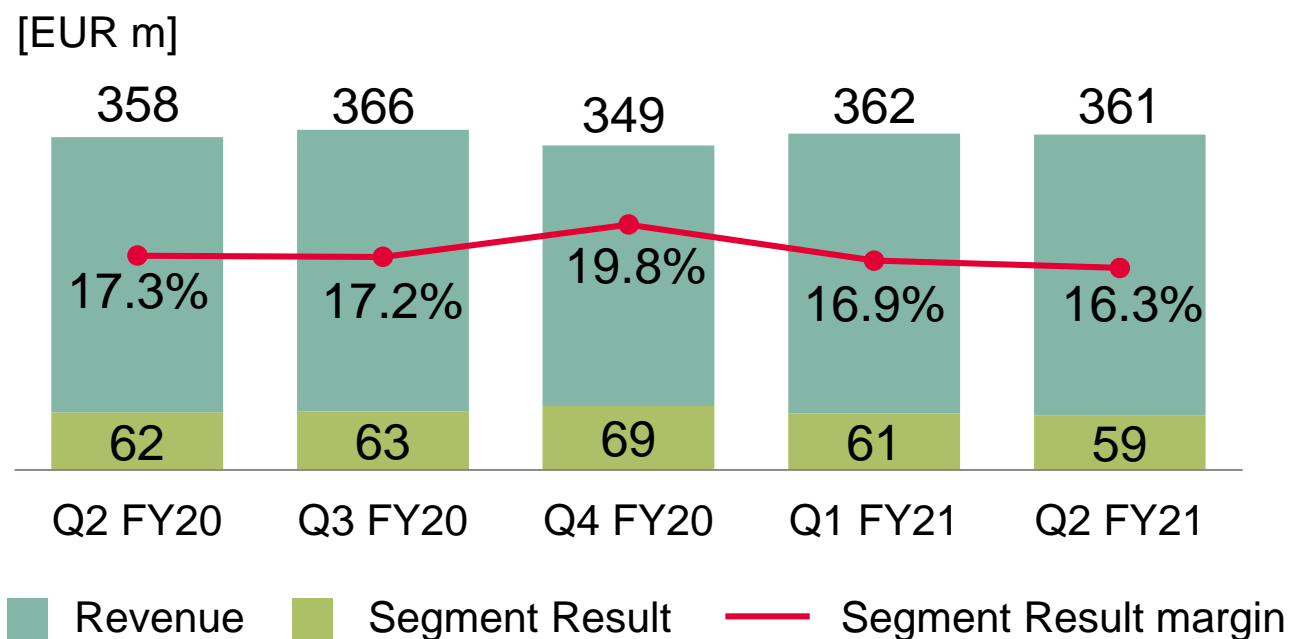


Industrial Power Control empowers a world of unlimited energy



Core applications:

Energy generation, Energy storage, Energy transmission, Home appliances, Industrial drives, Industrial power supplies, Industrial Robotics, Industrial vehicles, Traction

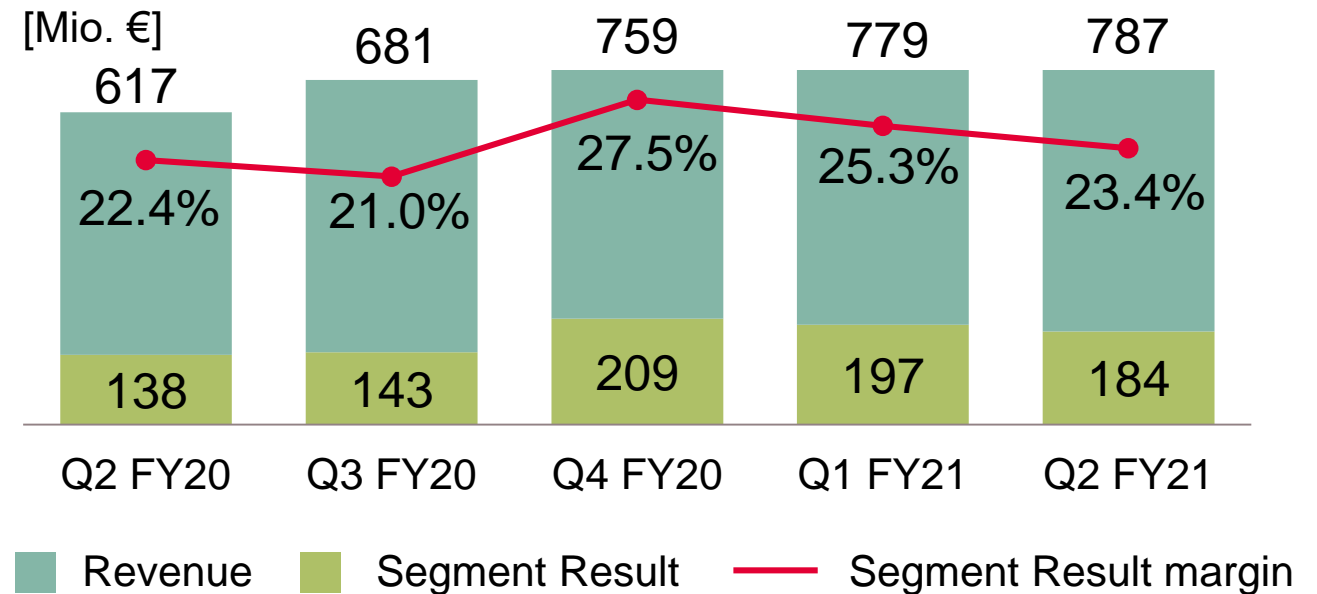


Power & Sensor Systems drives leading-edge power management, sensing and data transfer capabilities



Core applications:

Audio amplifiers, BLDC motor, Cellular communications infrastructure, Charging stations for electric vehicles, HiRel, Human-Machine-Interaction, Internet of Things, LED and conventional lighting systems, Mobile devices, Power management

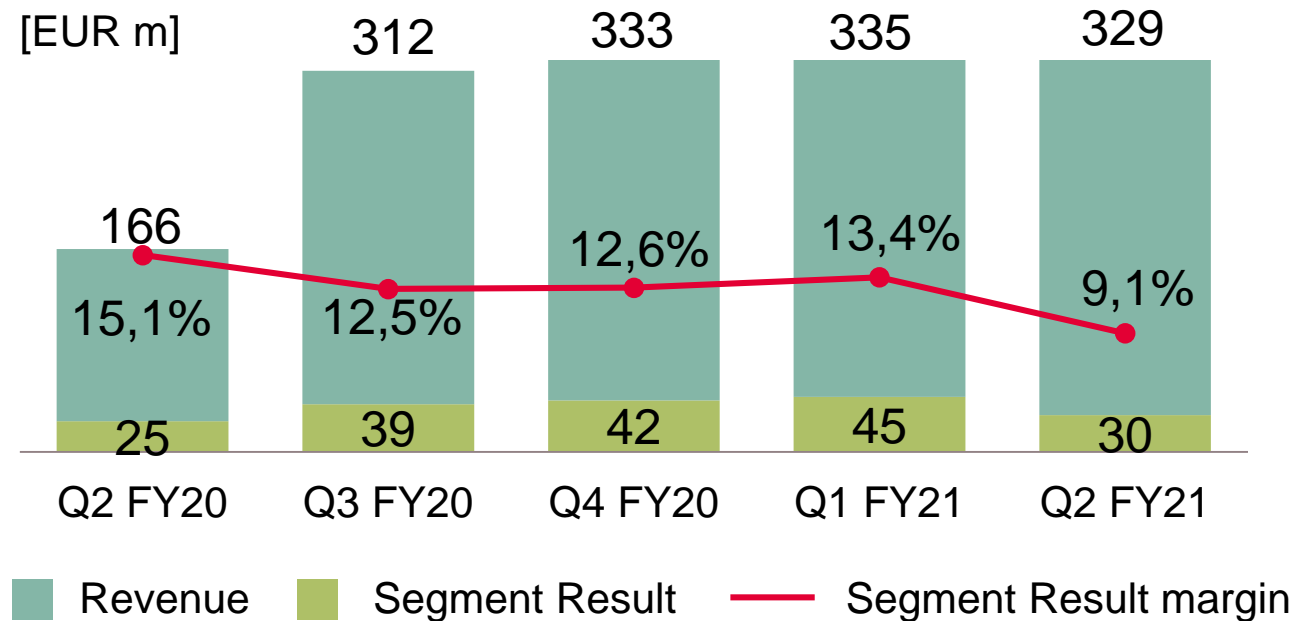


Connected Secure Systems delivers full systems for a connected, secure world



Core applications:

Authentication, Automotive, Consumer electronics, Government identification documents, Internet of Things, Mobile communications, Payment systems, Ticketing, Access control, Trusted computing



Close customer relationships are based on system know-how and application understanding





EMS partners

APTIV
比亚迪汽车

BOSCH

Continental

DENSO

HITACHI
Inspire the Next

HELLA

KEIHIN

HYUNDAI

Mando

LEAR CORPORATION

MITSUBISHI ELECTRIC

Nidec

veoneer

Valeo

ZF



ABB

BOMBARDIER

Danfoss

GOLDWIND

Midea

OMRON

Schneider Electric

SIEMENS

SUNGROW

Vestas

ALSTOM

中国中车 CRRC

EATON

Inovance

Rockwell Automation

SEMIKRON
innovation + service

TOSHIBA

YASKAWA



Distribution partners

阿里巴巴 Alibaba.com

ARTESYN
EMBEDDED POWER

Advanced Energy

BOEING

DELL

ERICSSON

Goertek

LITEON

NOKIA

SAMSUNG

amazon

Baidu 百度

CISCO

DELTA

Google

Hewlett Packard Enterprise

LG
Life's Good

Trakiti

OSRAM

ZTE



AdvanIDE

BANG & OLUFSEN

brother

GE

fitbit.

hp

GPO

Lenovo

IDEMIA
augmented identity

Nintendo

Microsoft

THALES

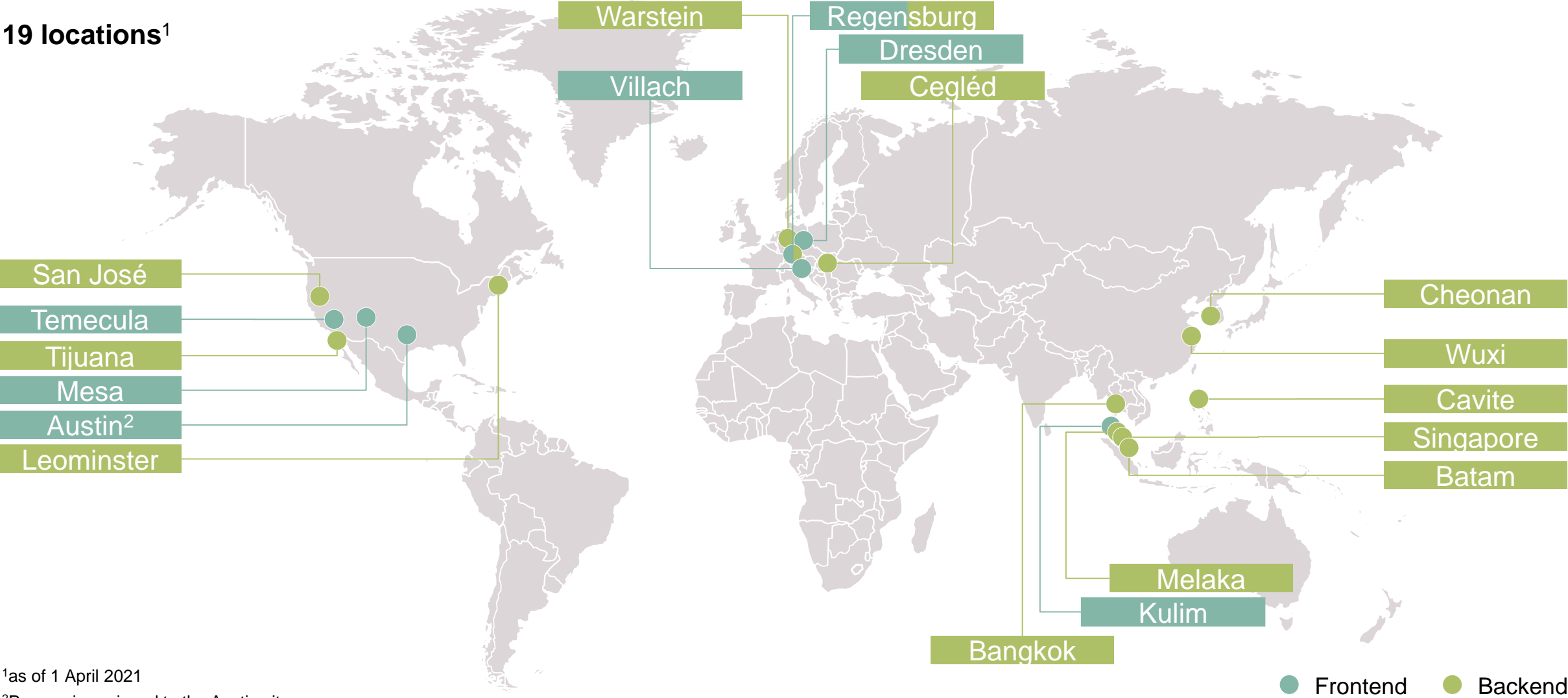
Raspberry Pi

Watchdata

Infineon is globally positioned with its network of front-end and back-end manufacturing facilities



19 locations¹



¹as of 1 April 2021
²Penang is assigned to the Austin site

Our global Research and Development activities

About 13 percent

of Infineon's annual revenue goes into Research and Development (R&D). In fiscal year 2020, R&D investments amounted to 1.1 billion euros.

29,420 patents in the overall portfolio

show a high level of innovative strength and long-term competitiveness. In fiscal year 2020 alone, Infineon registered 1,690 new patents.

Numerous innovative ecosystems

with tech companies, universities and research institutes are of great importance to Infineon.



60* sites in 20 countries and regions:

Americas	Richmond (Canada); Tijuana (Mexico); Andover, Austin, Chandler, Colorado Springs, El Segundo, Hazlet, Irvine, Lexington, Lynnwood, Milpitas, Portland, San Diego, San José, Temecula and Warwick (all USA)
APAC	Bangalore (India); Seoul (Korea); Ipoh, Kulim, Melaka and Penang (all Malaysia); Batam Island (Indonesia), Muntinlupa (Philippines); Singapore
Greater China	Chengdu, Shanghai, Shenzhen, Xi'an (all Mainland China); Hsinchu and Taipei (both Taiwan)
Japan	Kawasaki, Musashi Kosugi, Nagoya, Sendai (all Japan)
Europe	Herlev (Denmark); Augsburg, Dresden, Duisburg, Erlangen, Langen, Martinsried, Neubiberg, Regensburg and Warstein (all Germany); Le Puy-Sainte-Réparate (France); Bristol and Reigate (both Great Britain); Cork and Dublin (both Ireland); Netanya (Israel); Padua and Pavia (both Italy); Graz, Linz and Villach (all Austria); Cegléd (Hungary), Bukarest (Romania); Lviv (Ukraine)

as of 30 September 2020

*as of 1 April 2021

Responsible action, sustainable profitable growth



Infineon ranks among the 10 percent¹ most sustainable companies in the world

- › Sustainability at Infineon includes **social, ecological and economic values**
- › Infineon was one of the first semiconductor companies to voluntarily commit to the **Ten Principles of the UN Global Compact**
- › Infineon meets **global societal challenges** such as climate protection, energy efficiency and resource management with innovative products
- › Infineon's climate target is to become **carbon-neutral by 2030**². Emissions are to be cut by 70 percent over the 2019 calendar year³ levels by 2025
- › **External evaluation of the commitment:**
 - MSCI ESG Research rates Infineon with AA for the second consecutive year
 - Included in the Dow Jones Sustainability™ World Index for the sixth time
 - Received "Gold Status" of the rating agency EcoVadis for the sixth time

¹ Based on the results of The Sustainability Yearbook 2020 by S&P Global in cooperation with RobecoSam

² in terms of Infineon's direct and indirect energy- and heat-related emissions (Scope 1 and 2)

³ including Cypress

For further information: [Infineon Sustainability Report 2020](#)

Infineon is committed to binding CO₂ reduction targets

1.

CO₂ neutrality by 2030 – primarily by avoiding emissions

2.

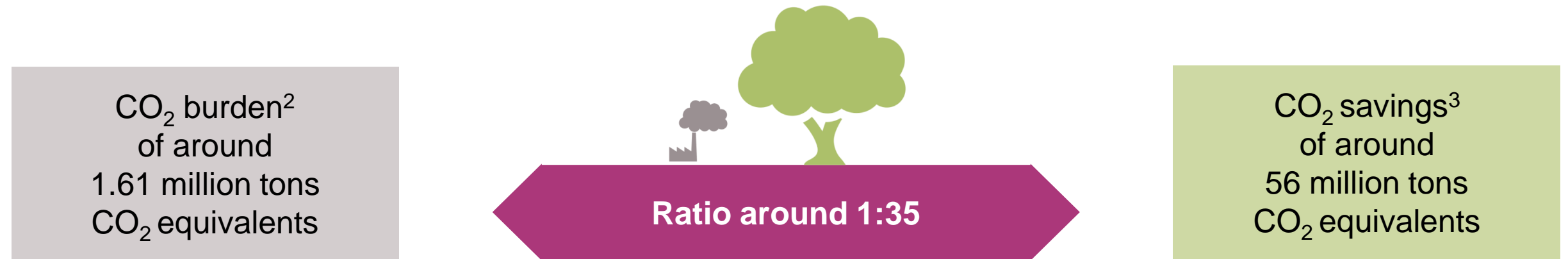
Realization of 70 percent of the required savings and compensations by 2025

Corporate Social Responsibility

We create a net ecological benefit



Our products and solutions enable a net ecological benefit, equal to the average annual CO₂ emissions from electricity consumption of more than 90 million people living in Europe¹



Net ecological benefit: CO₂ emissions reduction of more than 54 million tons



¹ Based on the average electricity consumption of private households in Germany and official energy conversion factors.

² This figure takes into account manufacturing, transportation, own vehicles, flights, raw materials and consumables, chemicals, water/waste water, direct emissions, energy consumption, waste etc. at all production sites included in IMPRES and at the Campeon headquarters (Germany), as well as direct and indirect energy-related emissions by manufacturing service providers. It is based on data collected internally and publicly available conversion factors and relates to the 2020 fiscal year.

³ This figure is based on internally established criteria, which are described in the explanatory notes. The figure relates to the 2019 calendar year and takes into account the following application areas: automotive, LED, induction cookers, servers, renewable energy (wind, photovoltaic) and cell phone chargers as well as drives. CO₂ savings are calculated based on the potential savings generated by technologies in which semiconductors are used. The CO₂ savings are allocated based on

Infineon's

market share, semiconductor share and the lifetime of the technologies concerned, based on internal and external experts' estimations. Despite the fact that carbon footprint calculations are subject to imprecision due to the complex issues involved, the results are nevertheless clear.

Infineon's employees create a better future together



Preethi Baran
Director, Field Sales,
in Livonia

"It's motivating to work with our customers to transform our mobility through innovation, safety and security."



Thomas Wrzesinsky
Maintenance Technician,
in Dresden

"We maintenance technicians keep production moving. I appreciate the teamwork: when everyone pulls together to find the error and to get the equipment running again."



Marcel Kuba
Director, Field Application
Engineering, in Munich

"The acquisition of Cypress enables Infineon now to offer complete best in class system solutions for new automotive applications."



Dr. Pamela Lin
Senior Engineer Advanced
Analytics, in Singapore

"It's amazing how we use advance data analytics & AI techniques to create intelligent systems for solving complex business problems and driving manufacturing efficiency."

At Infineon, **46,700*** people from over **100** countries work together around the world toward one mission:
to make life **easier**, **safer** and **greener**.

For more information please visit www.infineon.com/career

*as of 30 September 2020

Our competitive advantage: Differentiating as quality leader

Our path

We do what we promise.
That's quality made by Infineon.

Our aspiration

Zero defect regarding the committed

- › functionality
- › reliability
- › time
- › volume and cost

Our foundation

International standards such as ISO 9001,
IATF 16949, AS 9100, IEC 17025, ISO 26262



*ISO 27001/14001/45001 worldwide certification scheme; **ISO 22301 certified in Villach and Dresden; ***ISO 50001 certified at EU sites

Find us on Social Media



www.facebook.com/infineon



www.twitter.com/infineon



www.instagram.com/infineoncareers



www.infineon.com/linkedin



www.xing.com/infineon



www.youtube.com/c/InfineonTechnologiesAG

Disclaimer

Specific disclaimer for Omdia – part of Informa Tech – reports, data and information referenced in this document:

The Omdia reports, data and information referenced herein (the "Omdia Materials – mostly former IHS Markit Technology Materials") are the copyrighted property of Informa Tech Research Ltd. and its subsidiaries or affiliates (together "Informa Tech") and represent data, research, opinions or viewpoints published by Informa Tech, and are not representations of fact. The Omdia Materials speak as of the original publication date thereof and not as of the date of this document. The information and opinions expressed in the Omdia Materials are subject to change without notice and neither Informa Tech nor, as a consequence, Infineon have any duty or responsibility to update the Omdia Materials or this publication as a result. Omdia Materials are delivered on an "as-is" and "as-available" basis. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in the Omdia Materials. To the maximum extent permitted by law, Informa Tech and its affiliates, IHS Markit and its Affiliates and their respective, officers, directors, employees and agents, disclaim any liability (including, without limitation, any liability arising from fault or negligence) as to the accuracy or completeness or use of the Omdia Materials. Informa Tech and/or IHS Markit will not, under any circumstance whatsoever, be liable for any trading, investment, commercial or other decisions based on or made in reliance of the Omdia Materials. The "IHS Markit" brand and logo have been licensed for use by Informa Tech. The "IHS Markit" brand and logo and any third-party trademarks used in the IHS Markit Technology Materials are the sole property of IHS Markit Group or their respective third-party owners.

Specific disclaimer for IHS Markit reports, data and information referenced in this document:

The IHS Markit reports, data and information referenced herein (the "IHS Markit Materials") are the copyrighted property of IHS Markit Ltd. and its subsidiaries ("IHS Markit") and represent data, research, opinions or viewpoints published by IHS Markit, and are not representations of fact. The IHS Markit Materials speak as of the original publication date thereof and not as of the date of this document. The information and opinions expressed in the IHS Markit Materials are subject to change without notice and neither IHS Markit nor, as a consequence, Infineon have any duty or responsibility to update the IHS Markit Materials or this publication. Moreover, while the IHS Markit Materials reproduced herein are from sources considered reliable, the accuracy and completeness thereof are not warranted, nor are the opinions and analyses which are based upon it. IHS Markit and the trademarks used in the Data, if any, are trademarks of IHS Markit. Other trademarks appearing in the IHS Markit Materials are the property of IHS Markit or their respective owners.



Part of your life. Part of tomorrow.