



# Company presentation

Infineon Technologies AG  
November 2022



# Infineon is a global leader in power systems and IoT



**~56,200**  
employees<sup>1</sup>

## global leader

in automotive, power management, energy efficient technologies and IoT

## market position

Automotive

**# 1**

Strategy Analytics,  
March 2022

Power

**# 1**

Omdia,  
October 2022

Microcontroller

**# 4**

Omdia,  
August 2022

<sup>1</sup> as of 30 September 2022

# Infineon at a glance

## Long-term high-growth trends

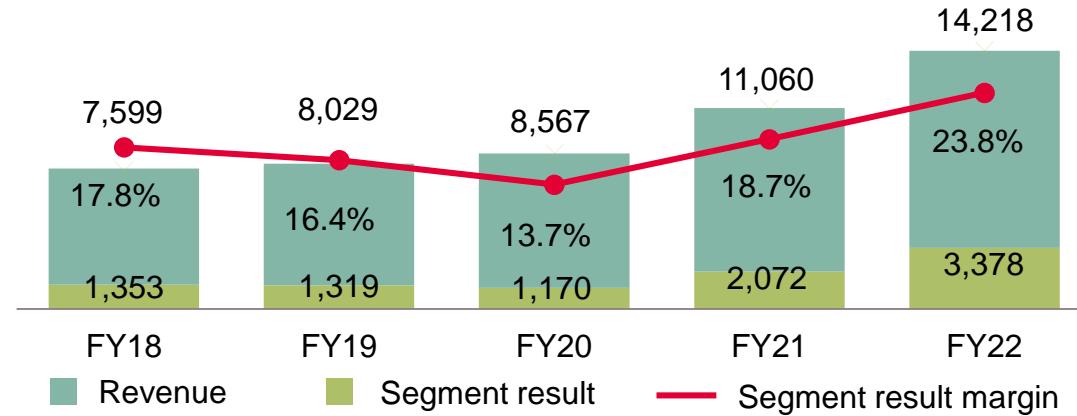
### Decarbonization

- › CO<sub>2</sub> saving
- › Energy efficiency
- › Sustainability

### Digitalization

- › Productivity
- › Comfort
- › New use cases

## Financials



<sup>1</sup> as of 30 September 2022 <sup>2</sup> 2022 Fiscal year (as of 30 September 2022)

## Employees<sup>1</sup>

56,200 employees worldwide

### Americas

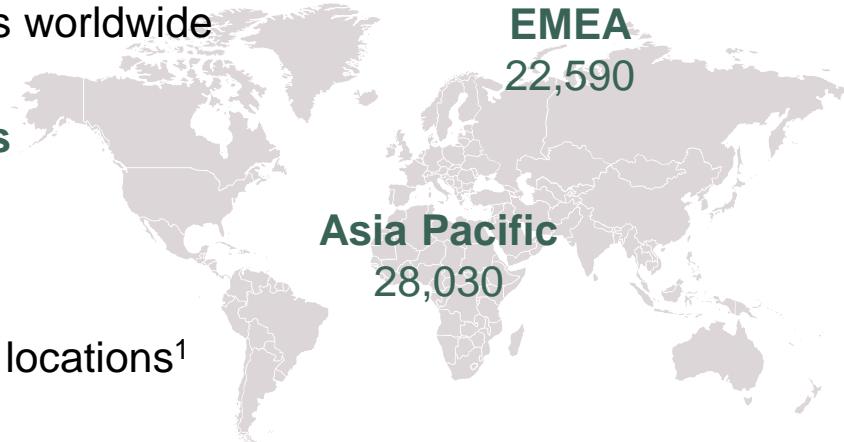
5,580

### EMEA

22,590

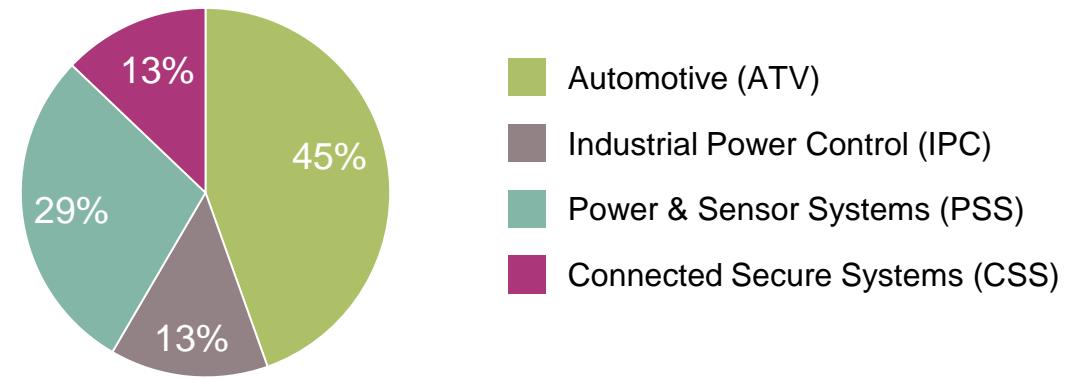
### Asia Pacific

28,030



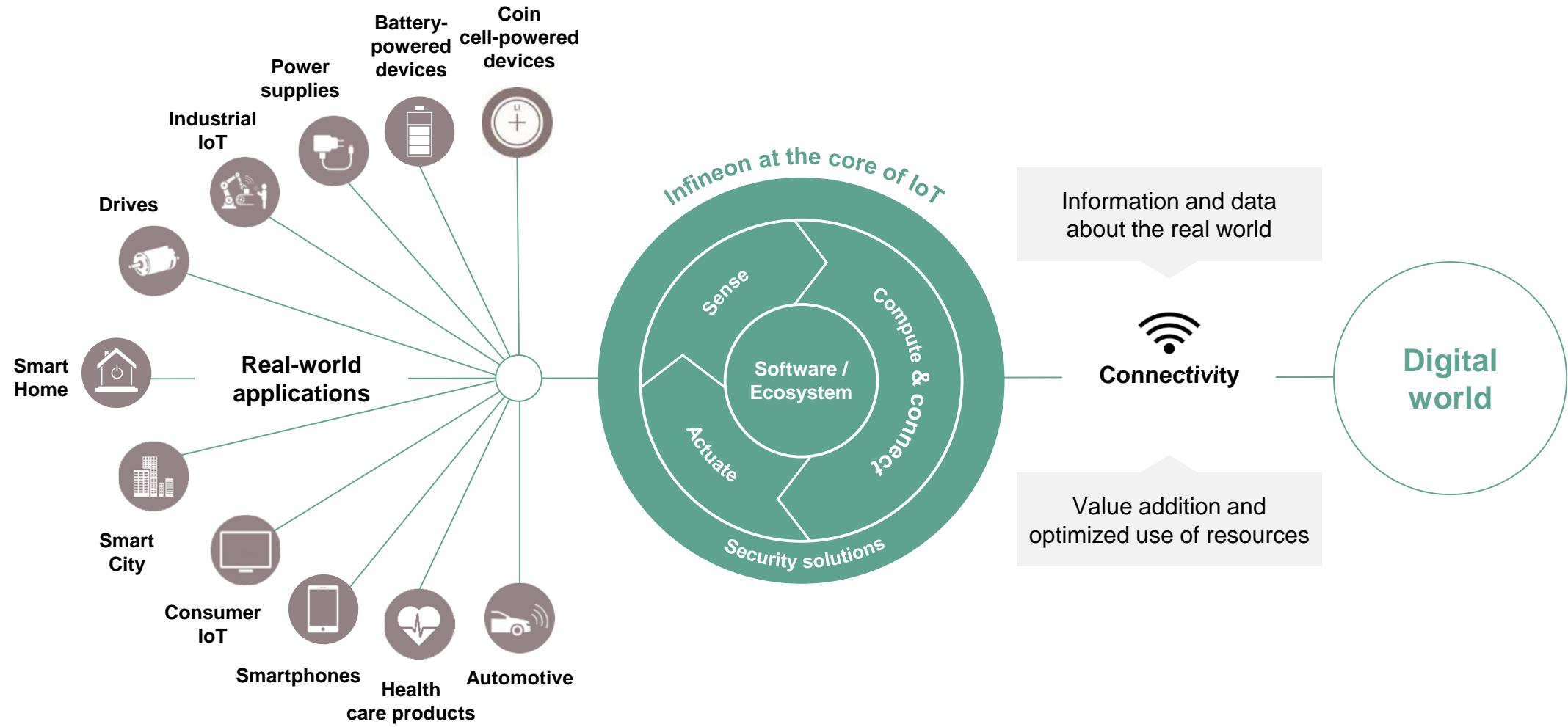
56 R&D and  
19 manufacturing locations<sup>1</sup>

## Business segments revenue<sup>2</sup>



For further information: [Infineon Investor Presentation Q4 2022](#).

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



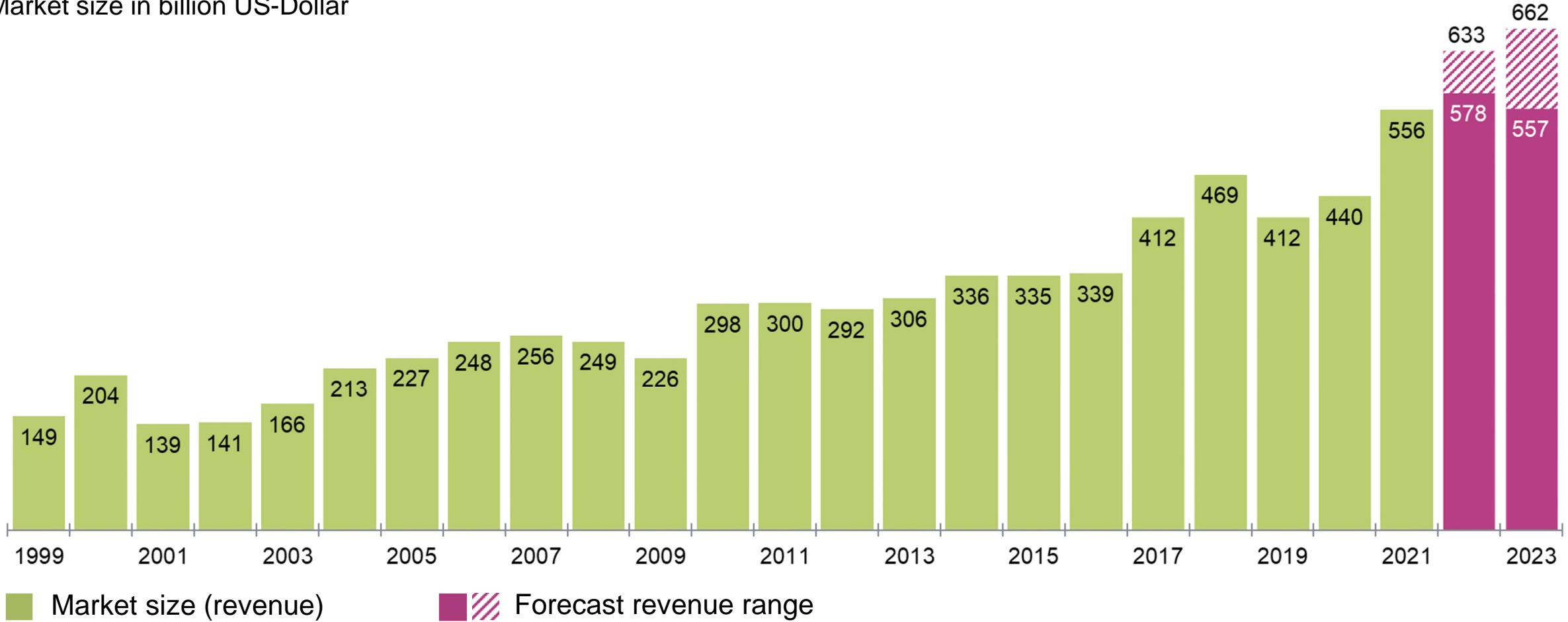
Sense: sensors | Compute and connect: microcontrollers, memories, Wi-Fi, Bluetooth, BLE, USB | Actuate: power semiconductors

# Semiconductor market forecasts predict growth for 2022; the range for 2023 is broader



## Global Semiconductor Market

Market size in billion US-Dollar

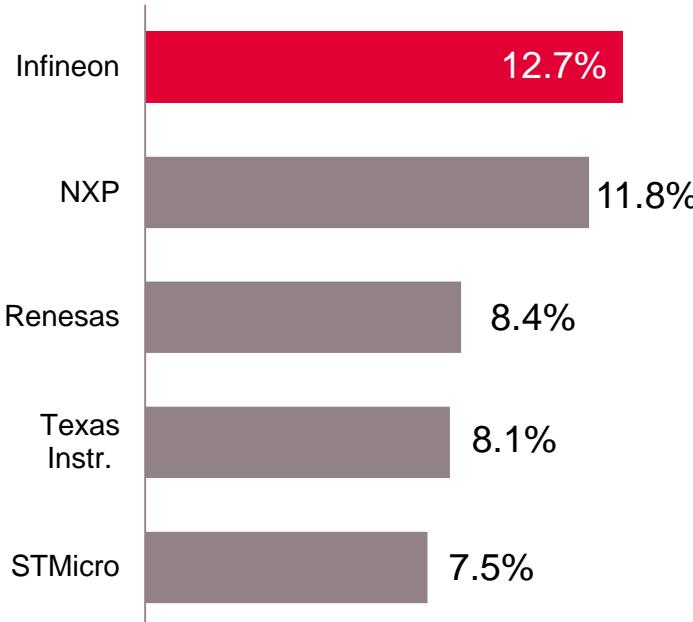


Source: WSTS for historical data. Forecast: Ø of WSTS, Omdia, Gartner, IC Insights, TechInsights (formerly VLSI Research); last update 31 October 2022.

# Infineon is a top player in all target markets

## Automotive semiconductors

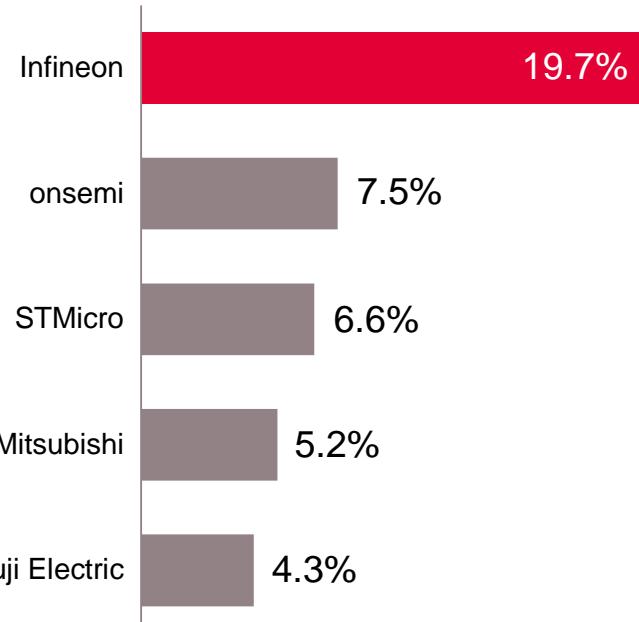
total market in 2021: USD 46.7bn



Source: Strategy Analytics: Automotive Semiconductor Vendor Market Shares. March 2022.

## Power discretes and modules

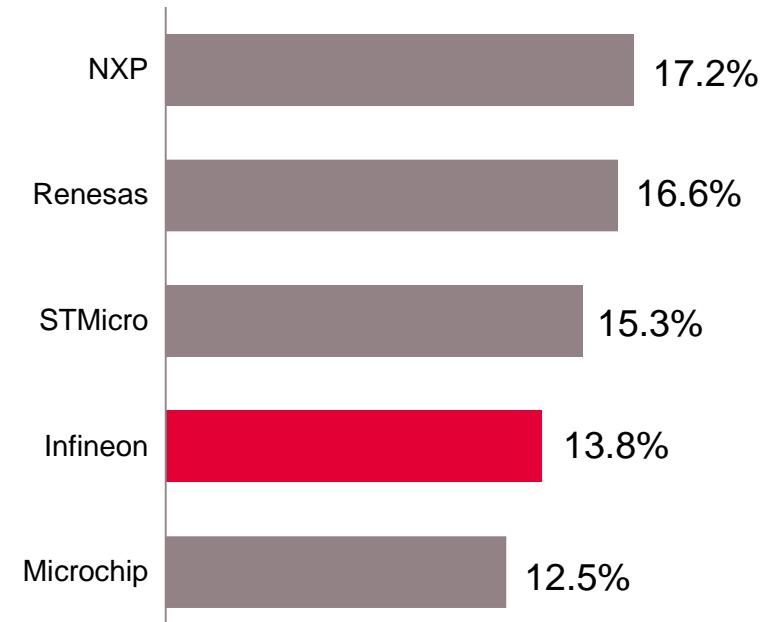
total market in 2021: USD 27.5bn



Source: Based on or includes research from Omdia: Power Semiconductor Market Share Database – 2021 – Final V2. October 2022.

## Microcontroller

total market in 2021: USD 22.0bn



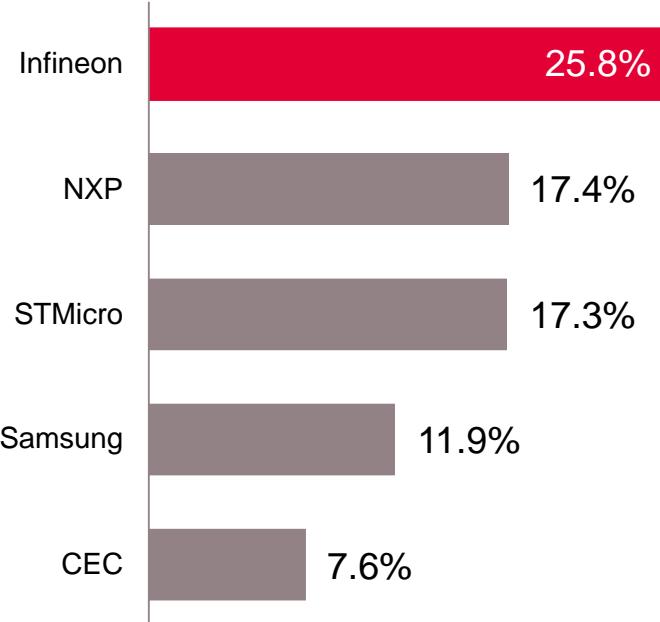
Source: Based on or includes research from Omdia: Annual 2001-2021 Semiconductor Market Share Competitive Landscaping Tool – 2Q22. August 2022.

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

# Infineon is a top player in all target markets

## Security ICs<sup>1</sup>

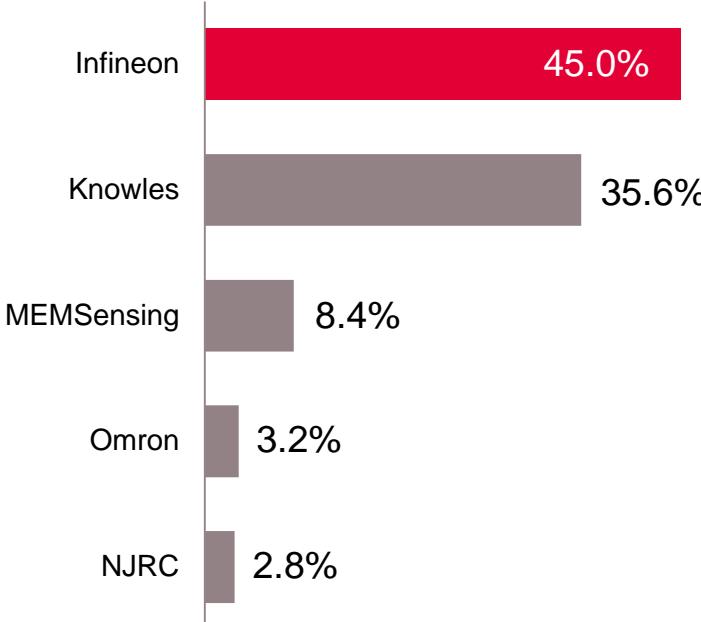
total market in 2021: USD 3.2bn



Source: ABI Research: Secure Smart Card and Embedded Security IC Technologies. October 2022. | <sup>1</sup> Excluding NFC controllers and embedded secure elements.

## MEMS Microphones<sup>2</sup>

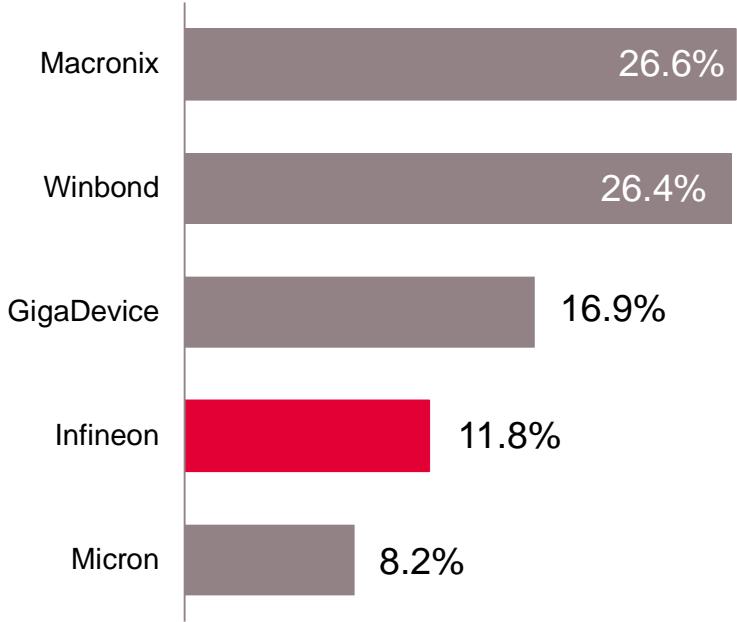
total market in 2021: 6.7bn units



Source: Based on or includes research from Omdia: MEMS Microphone Report – 2022 Database. October 2022. | <sup>2</sup> MEMS Microphones Die Suppliers.

## NOR Flash

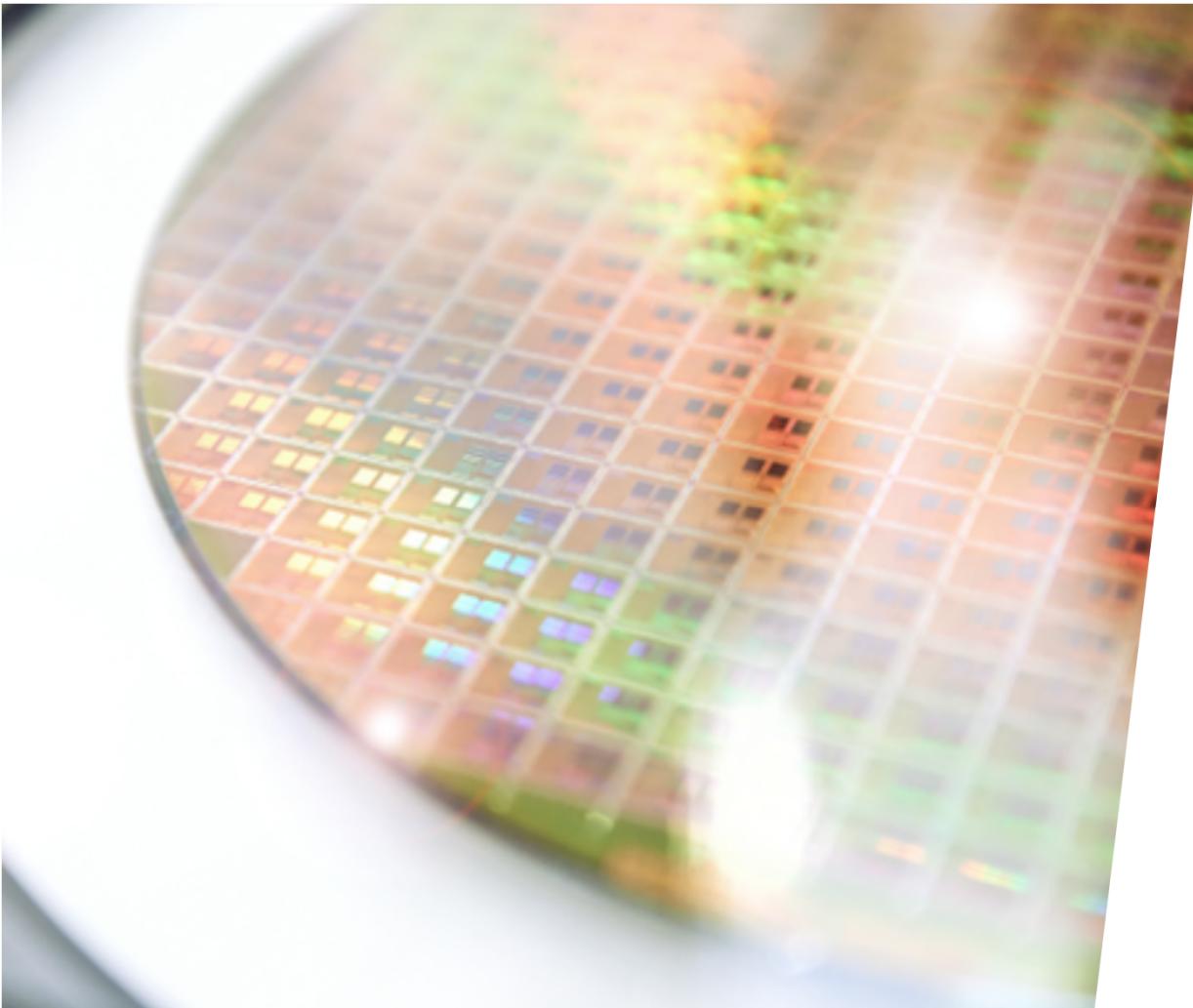
total market in 2021: USD 3.5bn



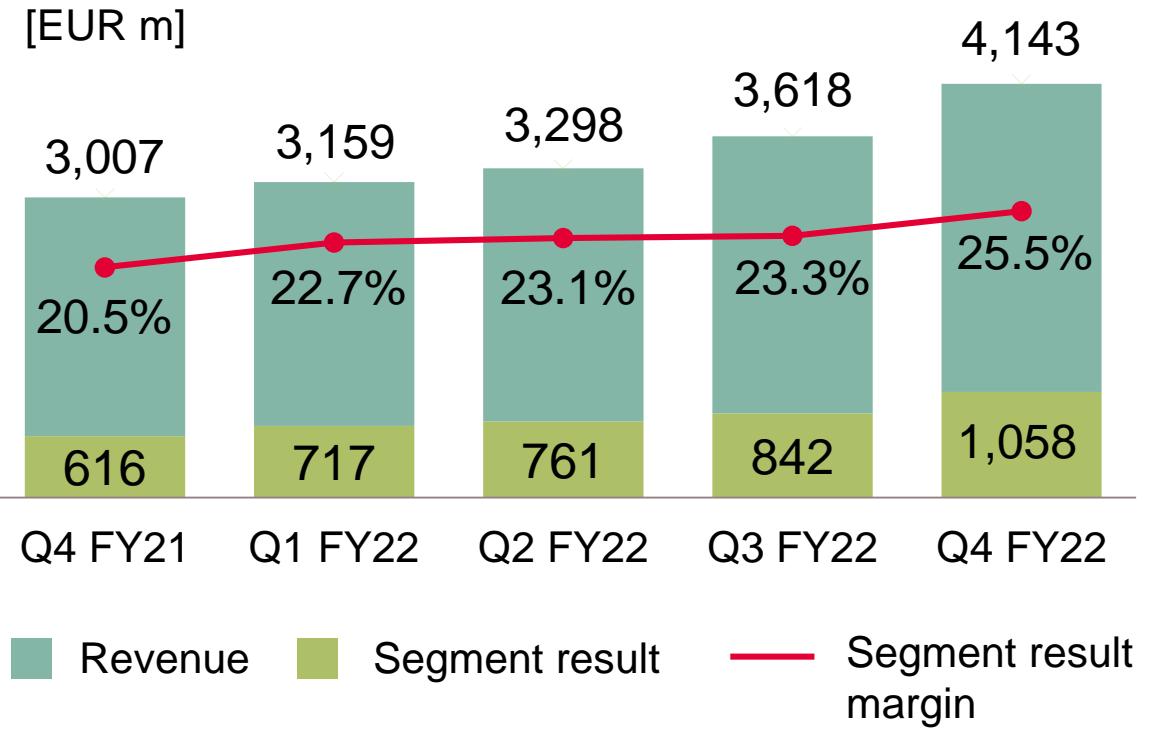
Source: Based on or includes research from Omdia: Annual 2001-2021 Semiconductor Market Share Competitive Landscaping Tool – 2Q22. August 2022.

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

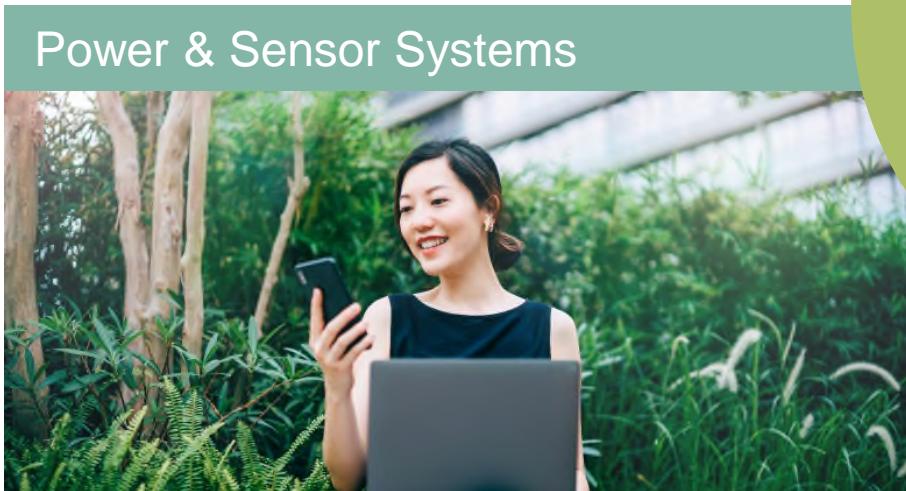
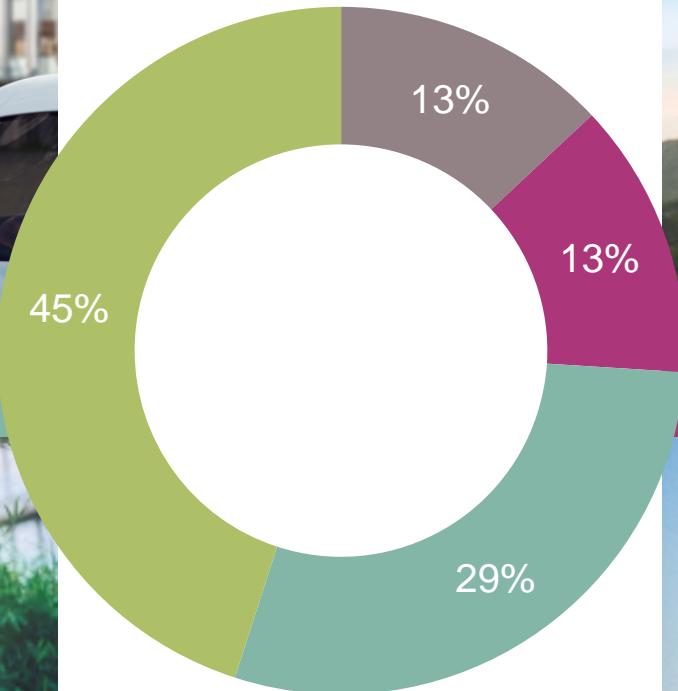
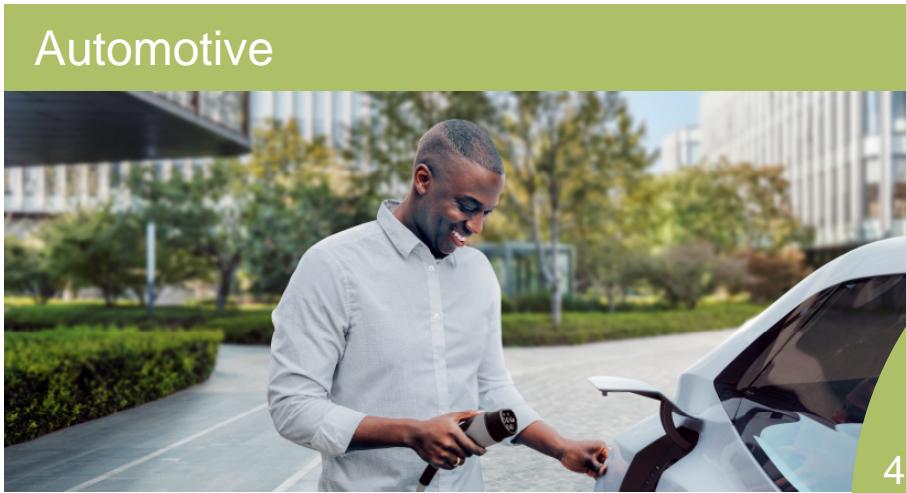
# Infineon follows a profitable growth path



## Revenue and result



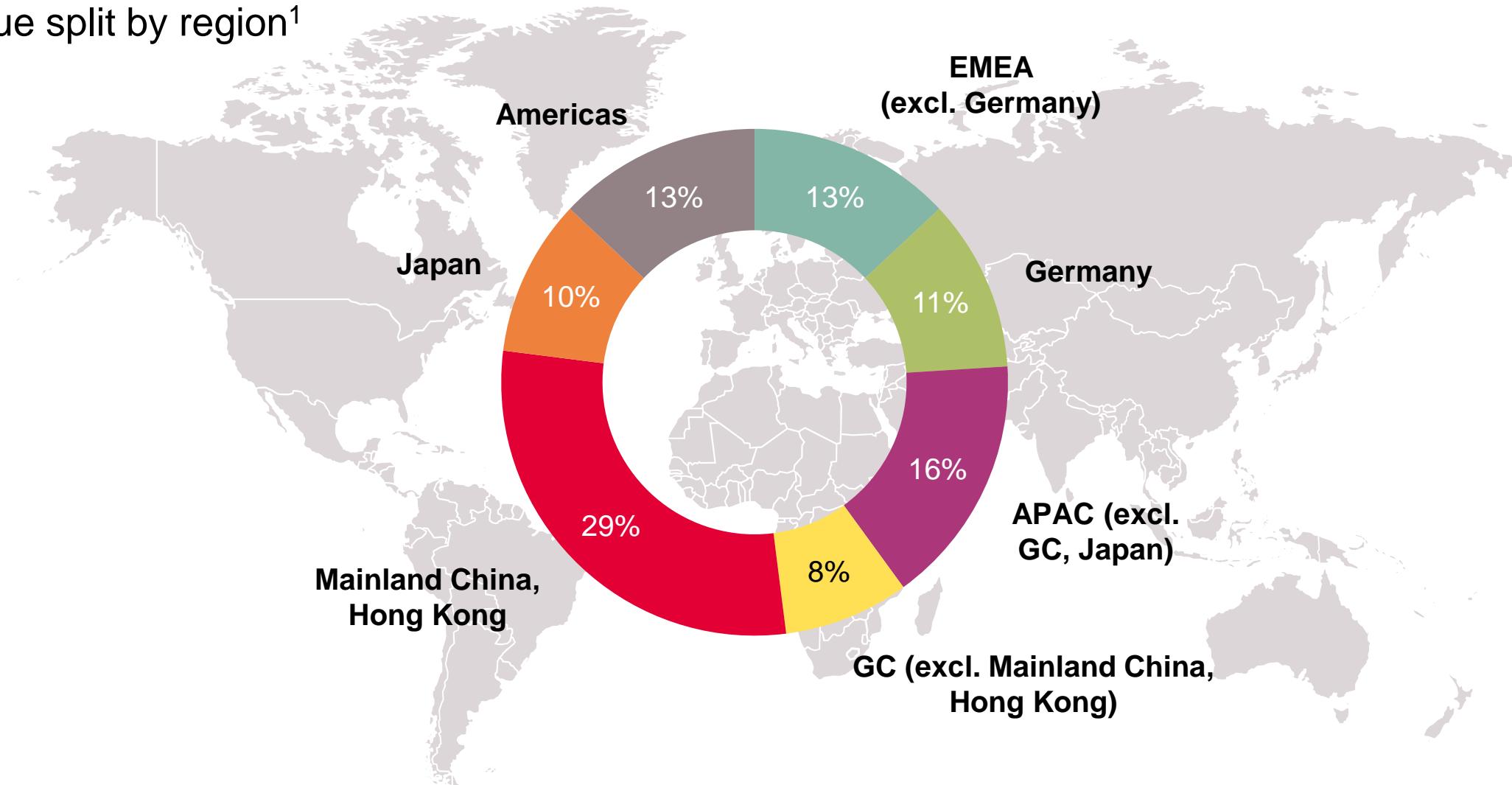
# Revenue split by segment<sup>1</sup>



<sup>1</sup> 2022 Fiscal year (as of 30 September 2022)

# Infineon is operating in all major regions of the world

Revenue split by region<sup>1</sup>



<sup>1</sup> 2022 Fiscal year (as of 30 September 2022)

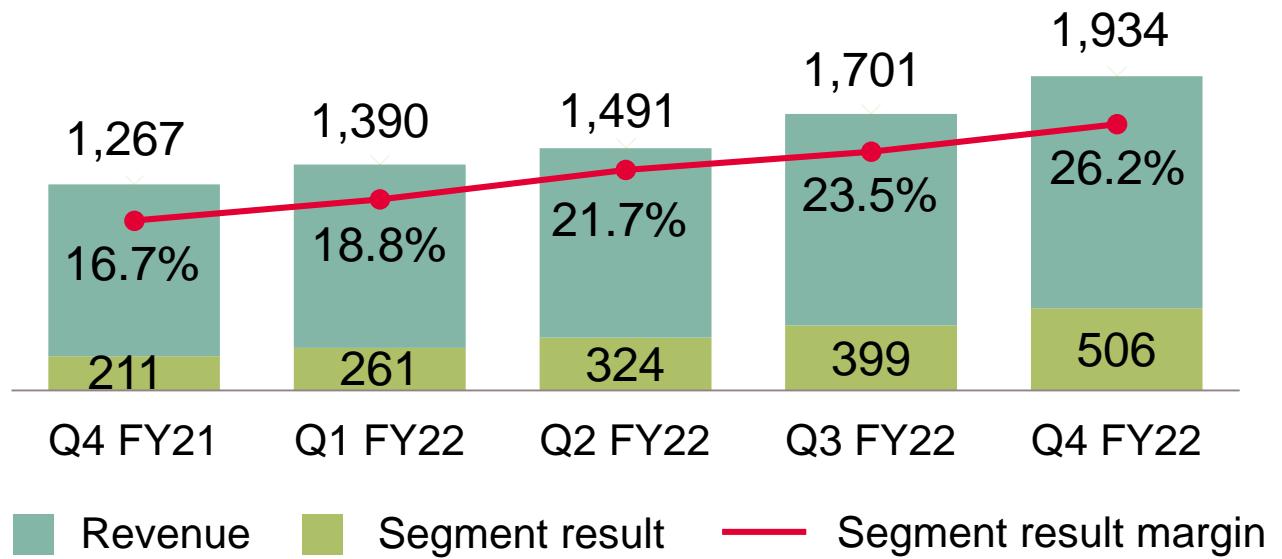
# Automotive shapes the future of mobility with microelectronics enabling clean, safe, and smart cars



## Core applications:

Assistance systems and safety systems, comfort electronics, infotainment, powertrain, security

[EUR m]

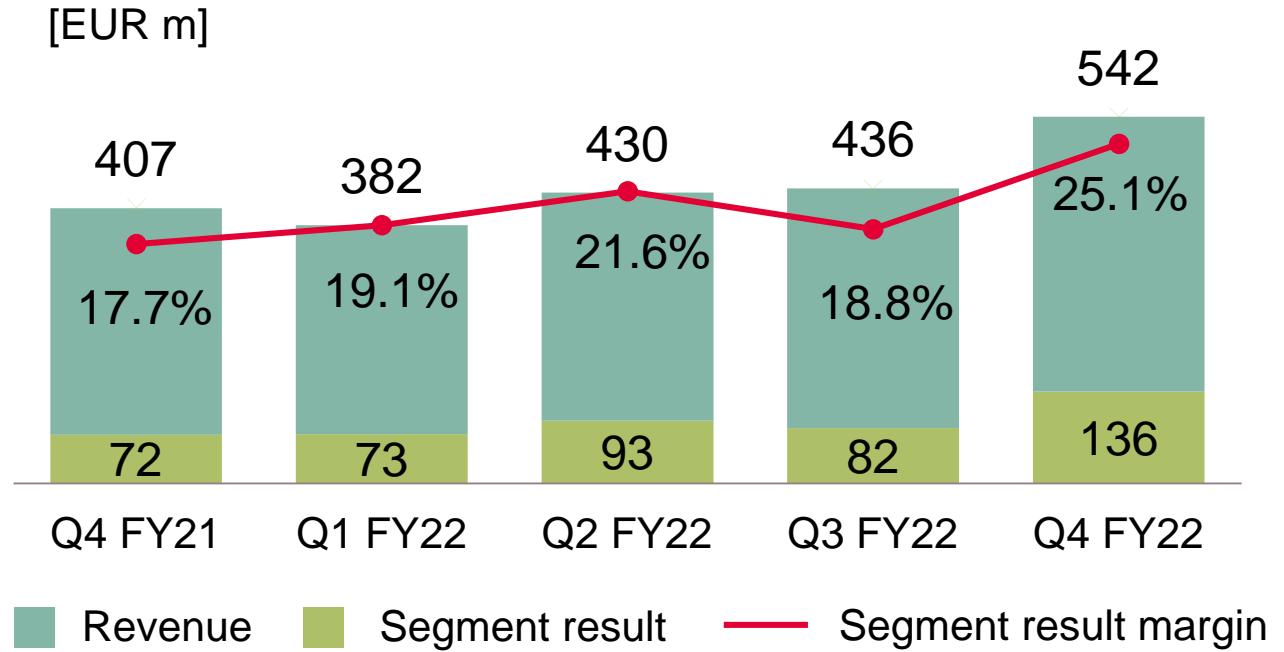


# Industrial Power Control empowers a world of unlimited green energy



## Core applications:

Energy generation, energy storage, energy transmission, home appliances, industrial drives, industrial power supplies, industrial robotics, industrial vehicles, traction



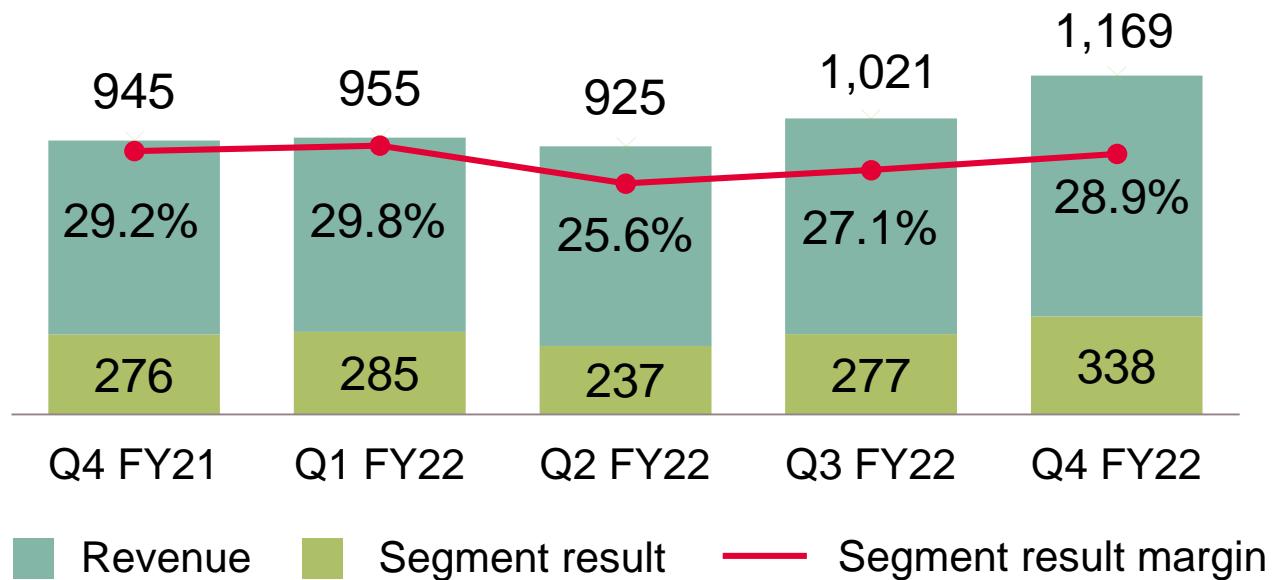
# Power & Sensor Systems drives leading-edge power management, sensing, and data transfer capabilities



## 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

[EUR m]

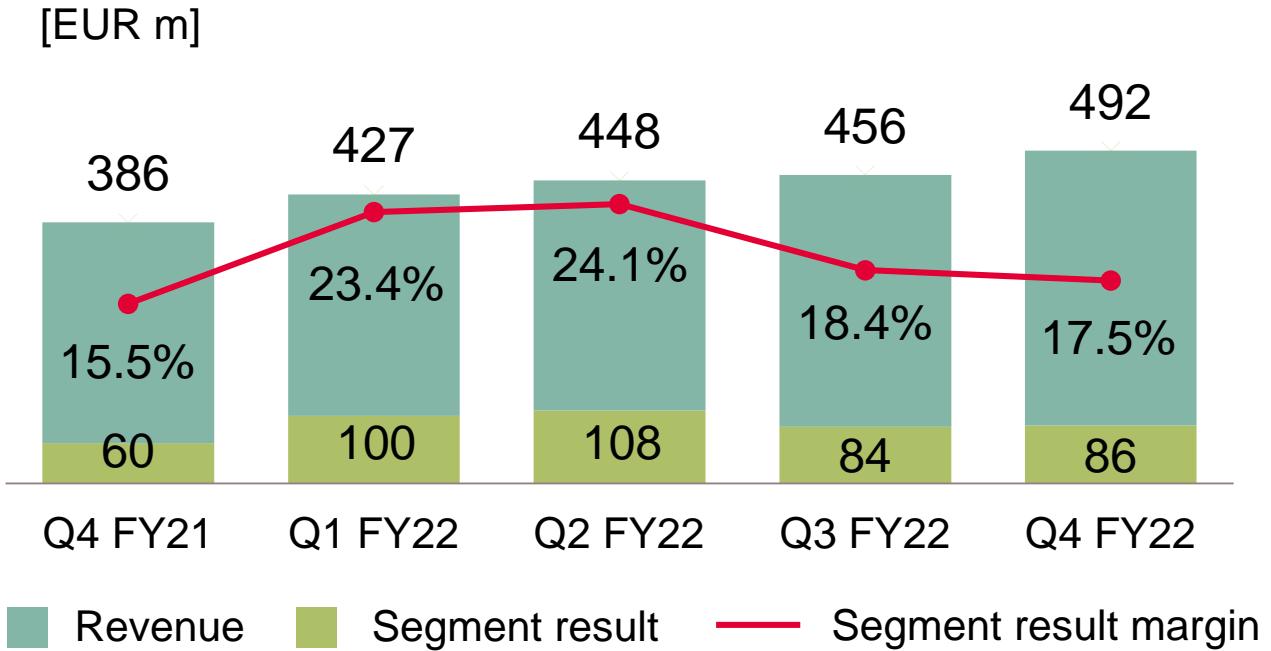


# Connected Secure Systems creates the basis for IoT



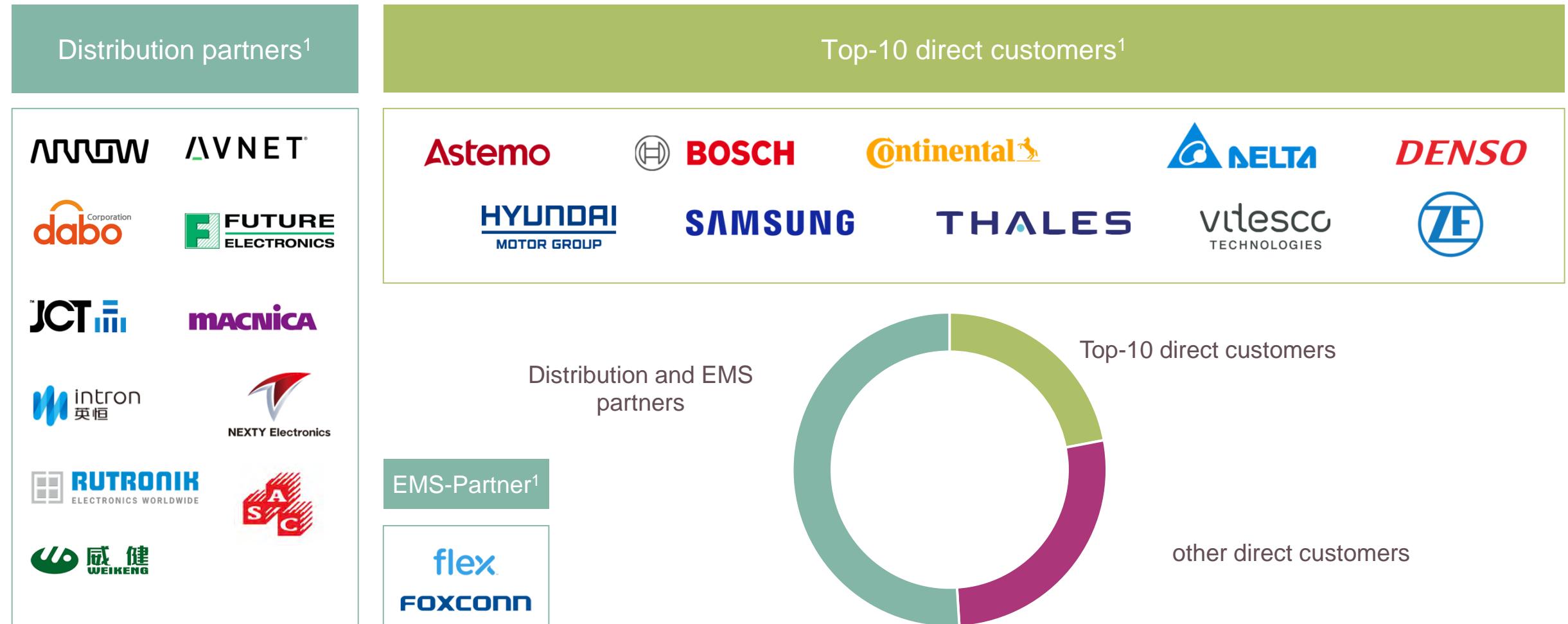
## Core applications:

Authentication, automotive, consumer electronics, government identification documents, IoT, Mobile communications, payment systems, ticketing, access control, trusted computing



# Well-balanced customer portfolio

Revenue by sales channel in FY 2022 (no customer represents more than 10% of total sales)



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



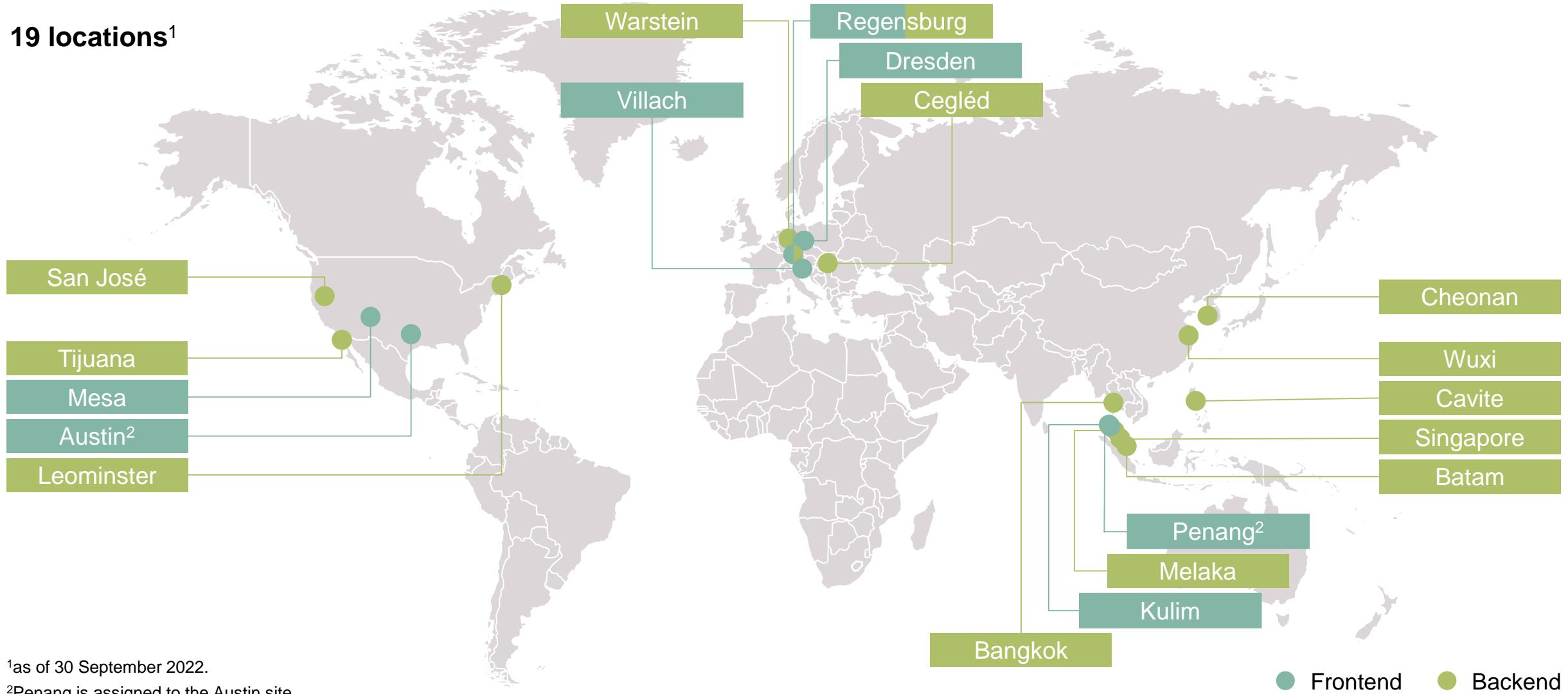
Automotive	Industrial Power Control	Power & Sensor Systems	Connected Secure Systems
<b>• A P T I V •</b> <b>Astemo</b> <b>BorgWarner</b> 比亚迪 汽车 <b>DENSO</b> <b>HYUNDAI MOTOR GROUP</b> <b>Mando</b> <b>Nidec</b> <b>veoneer</b> 	<b>ABB</b> 中国中车 <b>GOLDWIND</b> <b>LG</b> <b>OMRON</b> <b>Schneider Electric</b> <b>SIEMENS</b> <b>SUNGROW</b> <b>YASKAWA</b>	<b>ALSTOM</b> <b>INOVANCE</b> <b>Midea</b> <b>Rockwell Automation</b> <b>SMA</b> <b>Vestas</b> <b>SEMIKRON DANFOSS</b>	<b>Alibaba.com</b> <b>Advanced Energy</b> <b>BOEING</b> <b>DELL</b> <b>ERICSSON</b> <b>Goertek</b> <b>LITEON</b> <b>NOKIA</b> <b>solaredge</b> <b>amazon</b> <b>Baidu</b> <b>cisco</b> <b>DELTA</b> <b>Google</b> <b>inspur</b> <b>Inuktrol</b> <b>SAMSUNG</b> <b>ZTE</b>

EMS-Partners	Distribution partners
<b>flex</b> <b>FOXCONN</b>	<b>AVNET</b> <b>FUTURE ELECTRONICS</b> <b>Hakuto</b> <b>intron</b> <b>JCT</b> <b>MACNICA</b> <b>NEXTY Electronics</b> <b>RUTRONIK</b> <b>SAC</b> <b>WEIKENG</b>

# Infineon is globally positioned with its network of Frontend and Backend manufacturing facilities



19 locations<sup>1</sup>



<sup>1</sup>as of 30 September 2022.

<sup>2</sup>Penang 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 2022, R&D investments amounted to about 1.8 billion euros.

## 31,250 patents in the overall portfolio

show a high level of innovative strength and long-term competitiveness. In fiscal year 2022 alone, Infineon registered about 1,750 new patents.

## Numerous innovative ecosystems

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



## 56<sup>1</sup> sites in 18 countries and regions:

<b>Americas</b>	Richmond (Canada); Andover, Austin, Beaverton, Chandler, Colorado Springs, El Segundo, Hazlet, Irvine, Leominster, Lexington, Lynnwood, Milpitas, San Diego, San José and Warwick (all USA)
<b>Asia Pacific</b>	Bangalore (India); Seoul (Korea); Ipoh, Kulim, Melaka and Penang (all Malaysia); Muntinlupa (Philippines); Singapore
<b>Greater China</b>	Chengdu, Shanghai, Shenzhen, Xi'an (all Mainland China); Hsinchu and Taipei (both Taiwan)
<b>Japan</b>	Tokyo, Nagoya, Sendai (all Japan)
<b>Europe</b>	Herlev (Denmark); Augsburg, Dresden, Duisburg, Erlangen, Langen, Neubiberg, Regensburg and Warstein (all Germany); Le Puy-Sainte-Réparade (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); Bukarest (Rumania); Lviv (Ukraine); Budapest (Hungary)

<sup>1</sup> as of 30 September 2022.

# Responsible action, sustainable profitable growth



For further information: [Infineon Sustainability Report 2021](#)

## Infineon ranks among the 10 percent<sup>1</sup> most sustainable companies in the world

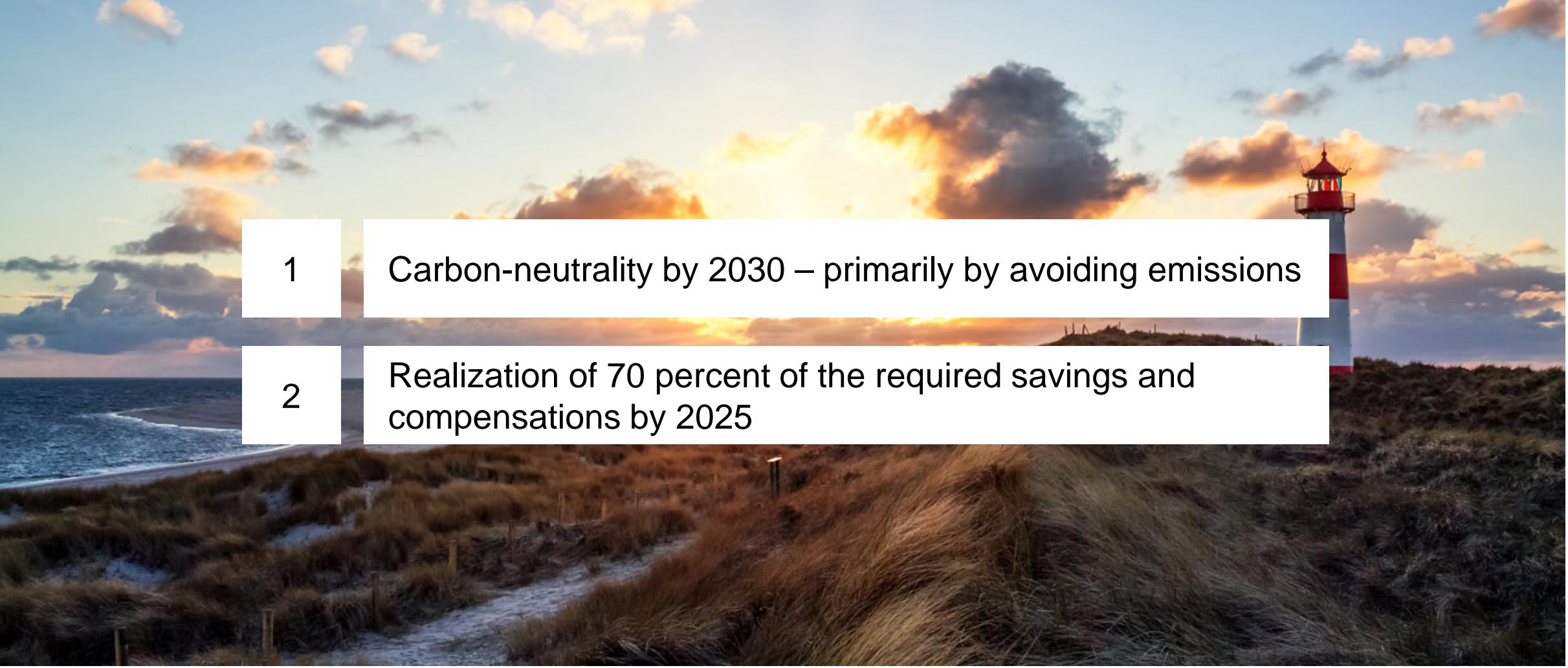
- › Sustainability at Infineon includes **social, ecological, and economic values**
- › Infineon was one of the first semiconductor companies to voluntarily commit to the **Ten Principles of the UN Global Compact**
- › Infineon meets **global societal challenges** such as climate protection, energy efficiency, and resource management with innovative products
- › Infineon's climate target is to become **carbon-neutral by 2030**<sup>2</sup>. Emissions are to be cut by 70 percent over the 2019 calendar year<sup>3</sup> levels by 2025
- › **External evaluation of the commitment:**
  - MSCI ESG Research rates Infineon with AA for the fourth consecutive year
  - Included in the Dow Jones Sustainability™ World Index for the seventh time in a row
  - Awarded Gold status for six years in a row and in 2022 for the first time Platinum status by EcoVadis

<sup>1</sup> Based on the results of The Sustainability Yearbook 2022 by S&P Global in cooperation with RobecoSam.

<sup>2</sup> In terms of Infineon's direct and indirect energy- and heat-related emissions (Scope 1 and 2).

<sup>3</sup> Including Cypress

# Infineon is committed to binding CO<sub>2</sub> reduction targets



- 1 Carbon-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 CO<sub>2</sub> emissions from electricity consumption of more than 179 million people living in Europe.<sup>1</sup>



Net ecological benefit: CO<sub>2</sub> emissions reduction of more than 97 million tons

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

<sup>2</sup> This figure takes into account manufacturing, transportation, own vehicles, travel, supplier specific emissions, water/waste water, direct emissions, energy consumption, waste, etc. 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 2022 fiscal year.

<sup>3</sup> This figure is based on internally established criteria, which are described in the explanatory notes. The figure relates to the 2021 calendar year and takes into account the following application areas: automotive electronics, industrial drives, photovoltaic and wind energy. CO<sub>2</sub> savings are calculated based on the potential savings generated by technologies in which semiconductors are used. The CO<sub>2</sub> 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 Manager Data Scientist Analytics, in Singapore



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

At Infineon, **56,200<sup>1</sup>** people from **over 100** countries work together around the world to make life easier, safer, and greener.  
For more information, please visit [www.infineon.com/career](http://www.infineon.com/career)

<sup>1</sup> as of 30 September 2022.

# Our competitive advantage: Differentiating as quality leader



## Our path

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

## Our aspiration

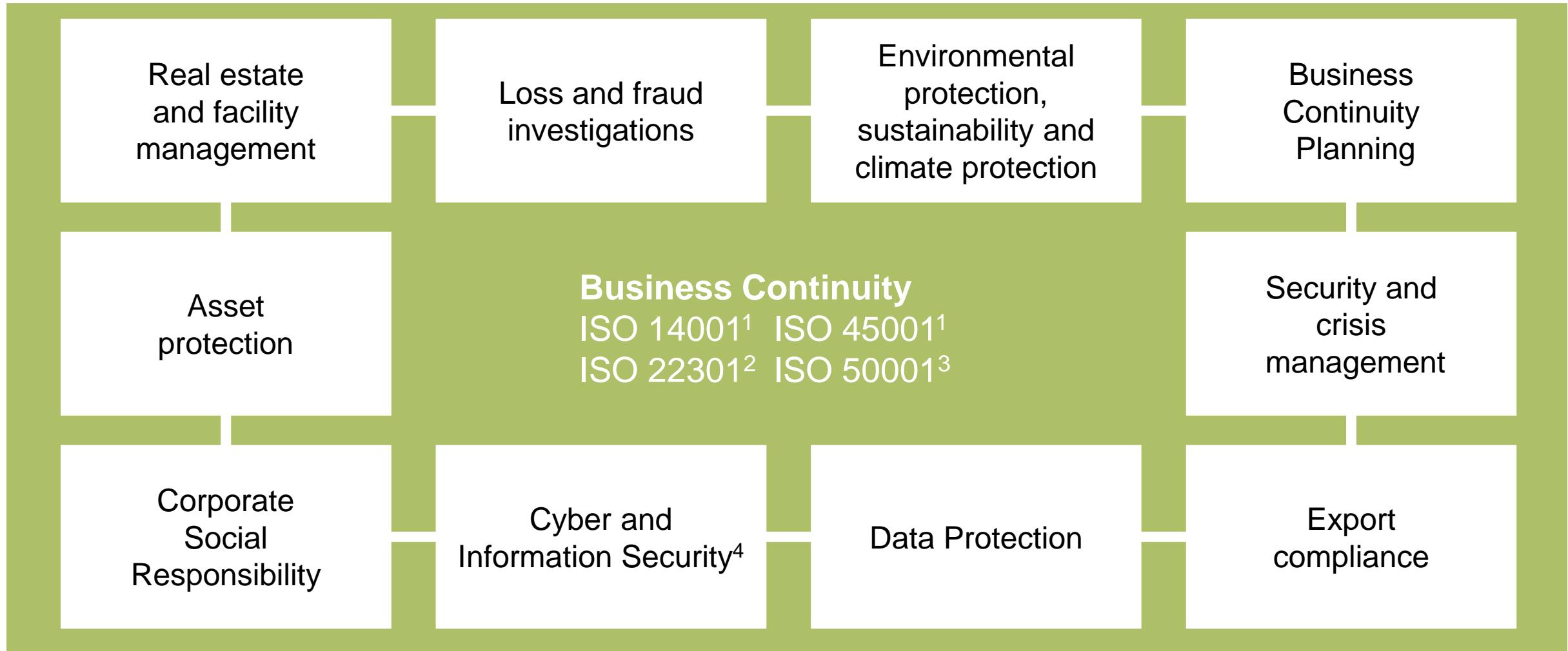
Zero defect regarding the committed

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

## Our foundation

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

# Business Continuity: Integrated management



<sup>1</sup> ISO 14001/45001 worldwide certification scheme. <sup>2</sup> ISO 22301 certified in Villach (Austria) and Dresden (Germany).

<sup>3</sup> ISO 50001 certified at largest European manufacturing sites and corporate headquarters Campeon (Germany). <sup>4</sup> Different certifications (e.g. TISAX).

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[www.youtube.com/c/InfineonTechnologiesAG](https://www.youtube.com/c/InfineonTechnologiesAG)

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