



# Company presentation

Infineon Technologies AG

August 2024



# Driving decarbonization and digitalization. Together.



Semiconductors are crucial to solve the energy challenges of our time and shape the digital transformation.

This is why Infineon is committed to actively driving decarbonization and digitalization.

As a global semiconductor leader in power systems and IoT, we enable game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT.

We make life easier, safer, and greener. Together with our customers and partners. For a better tomorrow.

# Infineon is a global leader in power systems and IoT

## Global leader

in automotive, power management, energy efficient technologies and IoT

**~58,600**  
employees<sup>1</sup>

## Market position

Automotive

**#1**

TechInsights,  
April 2024

Power

**#1**

Omdia,  
September 2023

Microcontroller

**#2**

Omdia,  
May 2024



<sup>1</sup> As of 30 September 2023

# Infineon at a glance

## Growth areas



**Energy**  
green and efficient



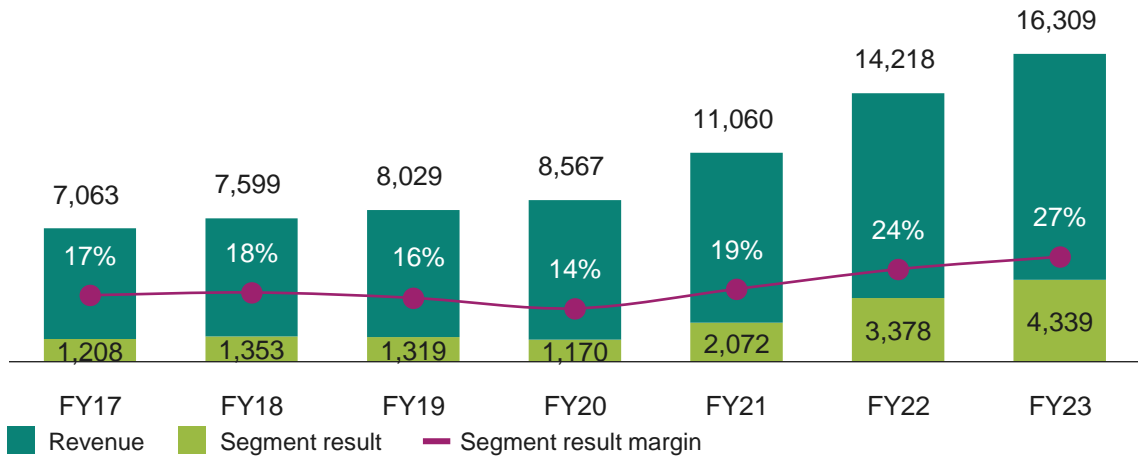
**Mobility**  
clean and safe



**IoT**  
smart and secure

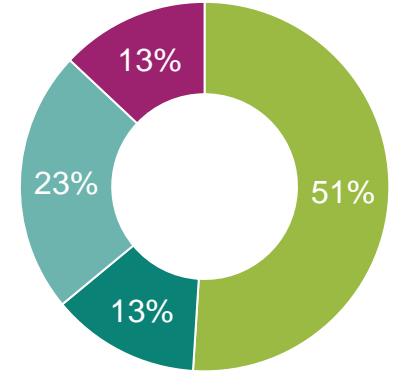
## Financials

[EUR m]



## FY23 revenue by segment<sup>1</sup>

- Automotive (ATV)
- Green Industrial Power (GIP)
- Power & Sensor Systems (PSS)
- Connected Secure Systems (CSS)

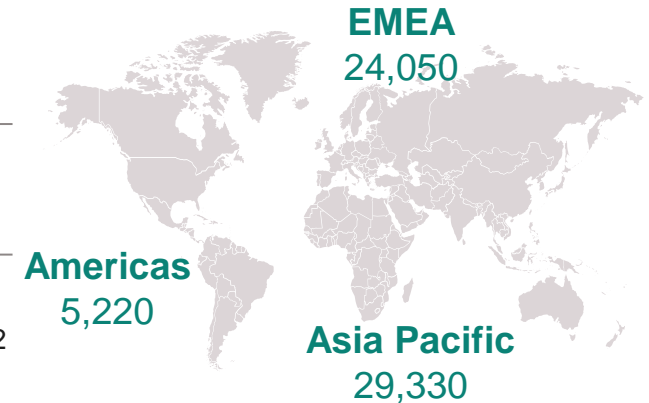


## Employees<sup>1</sup>

**58,600**  
employees worldwide

**69**  
R&D and

**15**  
manufacturing locations<sup>2</sup>



For further information: [Infineon Annual Report](#).  
1 2023 Fiscal year (as of 30 September 2023) | 2 As of 1 August 2024

# Infineon leading in power systems – mastering all three key materials

- » Reliable multi sourcing of raw materials
- » World-scale fabs



- » Application understanding
- » Packaging know-how and hybridization competence

## Leadership in Power Systems across all materials and technologies

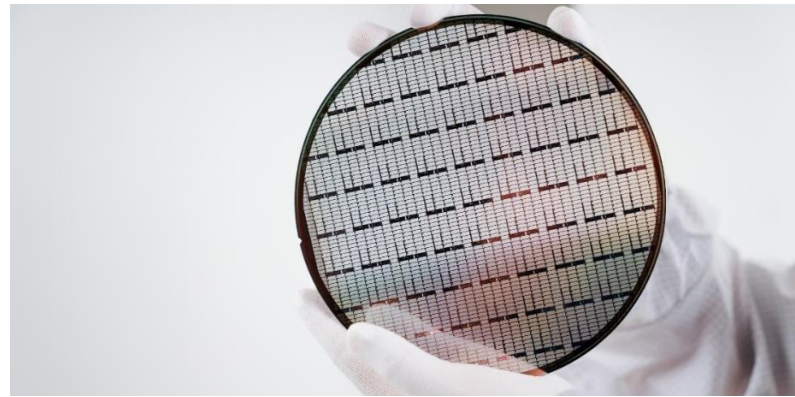
**Silicon**  
Diode – MOSFET – IGBT – Driver – Controller



**Silicon carbide**  
Diode – MOSFET



**Gallium nitride**  
HEMT – Driver



# Infineon leader in IoT – driving digitalization by serving strongly growing multi-application markets



## Consumer IoT



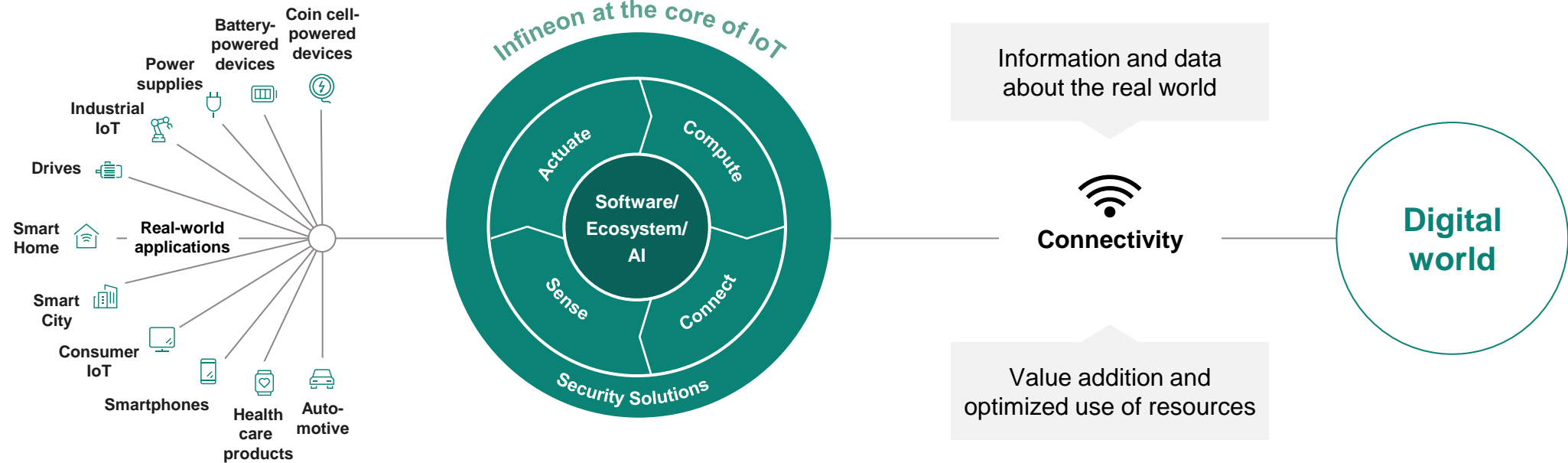
## Industrial IoT



## Automotive IoT



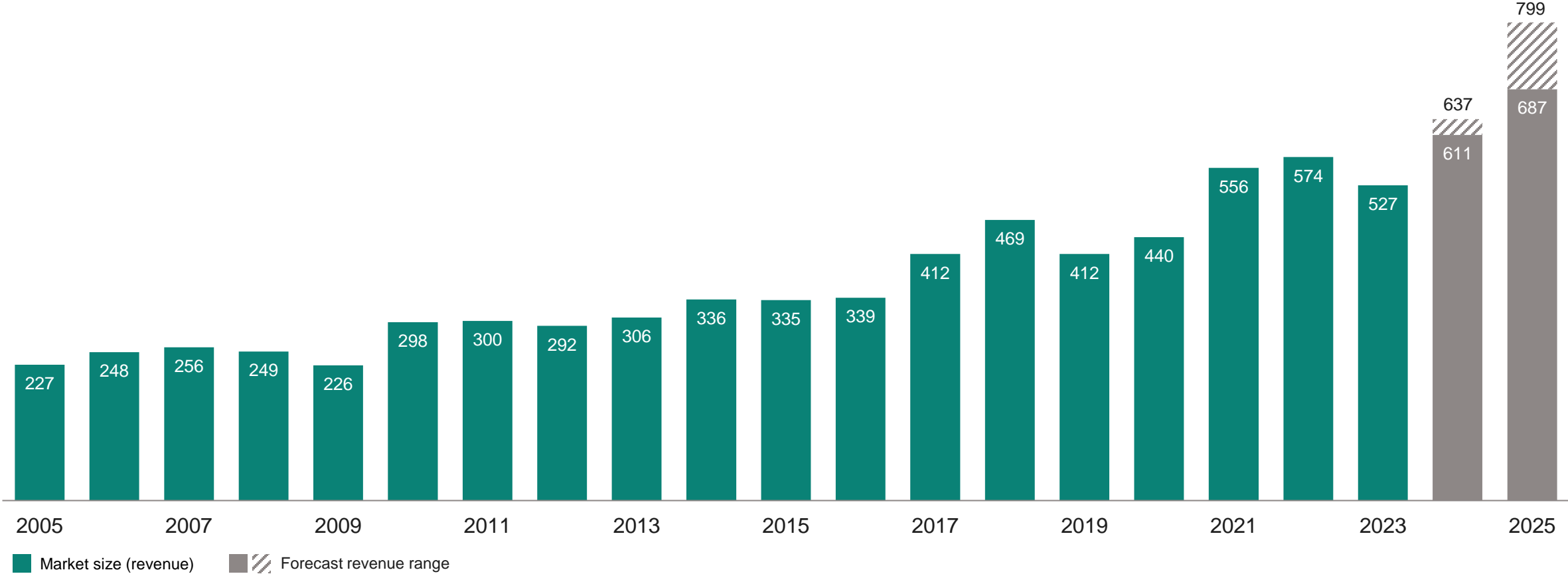
Products: MCU – Connectivity (Wi-Fi, BLE, NFC) – Sensors – Security – Power supply & switches



# Semiconductor market forecasts predict growth for 2024 & 2025

## Global Semiconductor Market

Market size in billion US-Dollar



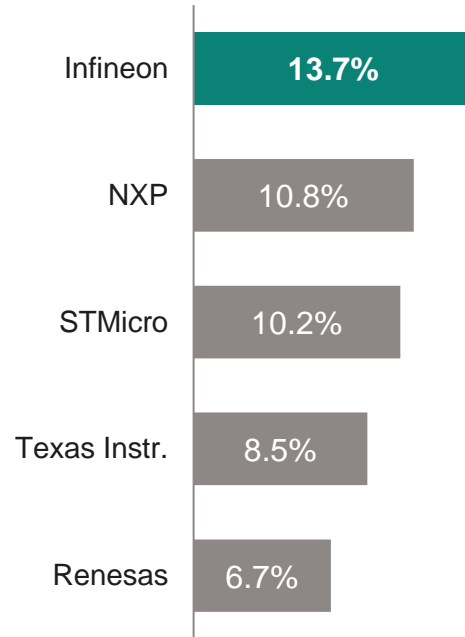
Source: WSTS for historical data. | Forecast: of WSTS, Omdia, Gartner, TechInsights; last update 25 July 2024.

# Infineon is clear #1 in Automotive and power semiconductors, and ranked #2 in the overall microcontroller market



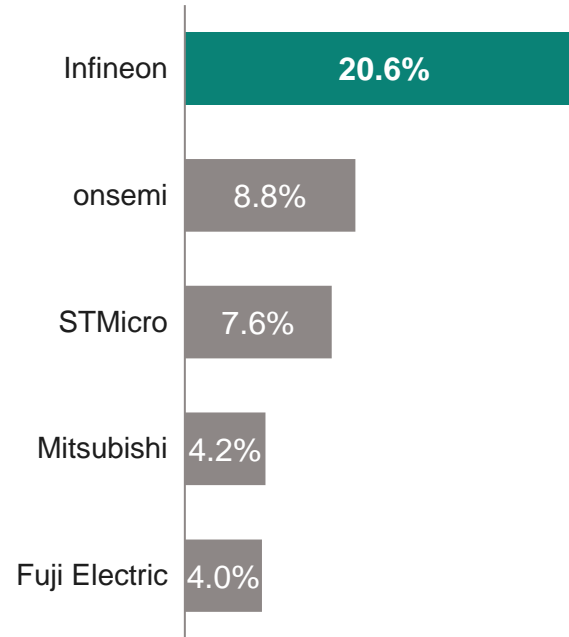
## Automotive semiconductors

2023 total global market: USD 69.2bn<sup>1</sup>



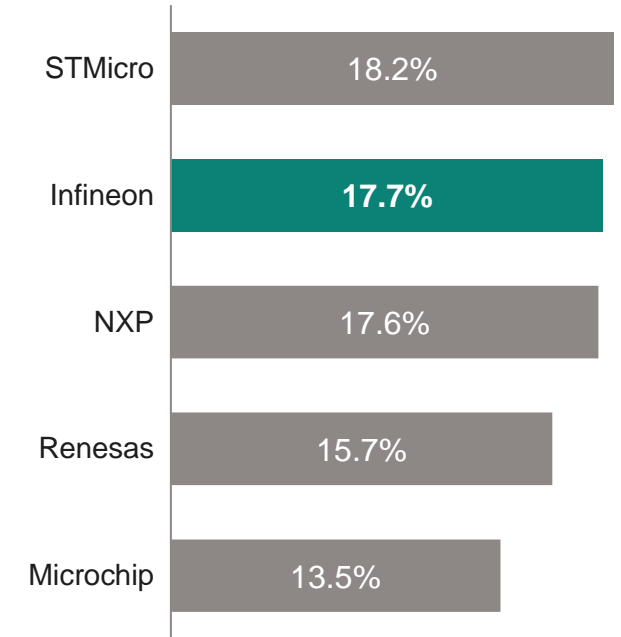
## Power discretes and modules

2022 total global market: USD 30.9bn<sup>2</sup>



## Microcontroller suppliers

2023 total global market: USD 28.1bn<sup>3</sup>



<sup>1</sup> TechInsights: Automotive Semiconductor Vendor 2023 Market Shares. April 2024. | <sup>2</sup> Based on or includes research from Omdia: Power Semiconductor Market Share Database – 2022. September 2023. | <sup>3</sup> Based on or includes research from Omdia: Annual 2001-2023 Semiconductor Market Share Competitive Landscaping Tool – 1Q24. May 2024. Results are not an endorsement of Infineon Technologies AG. Any reliance on these results is at the third party's own risk.

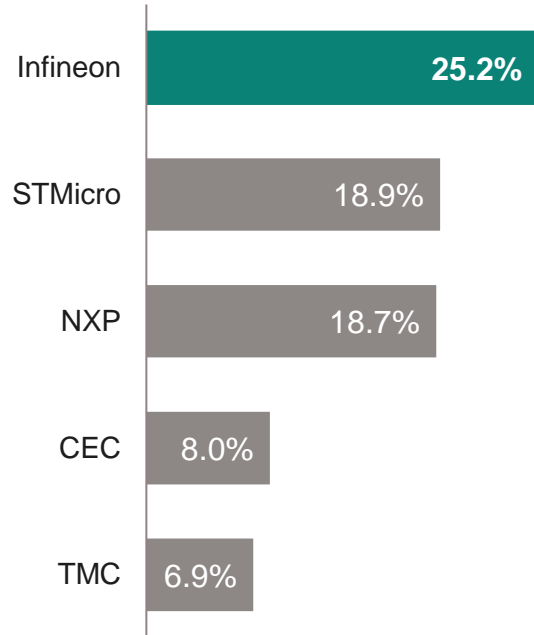


# Infineon is clear leader in security ICs and MEMS microphones, and ranked #2 in the NOR Flash market



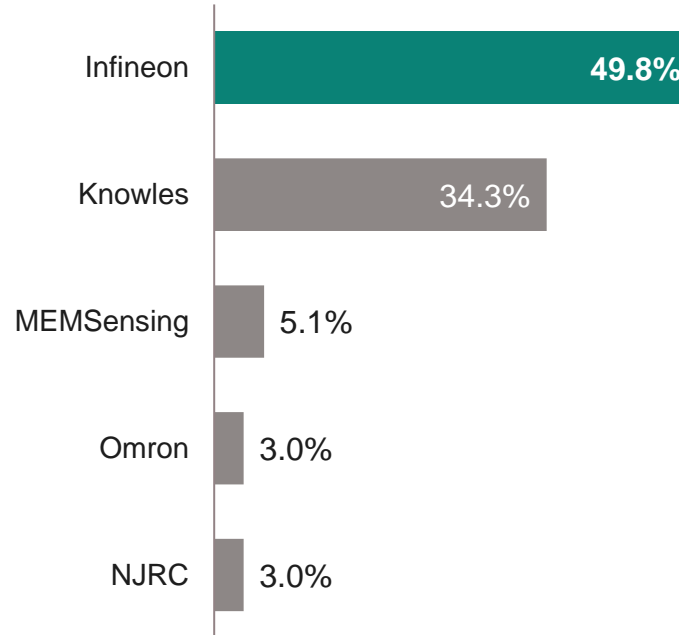
## Security ICs

2022 total global market: USD 3.6bn<sup>1</sup>



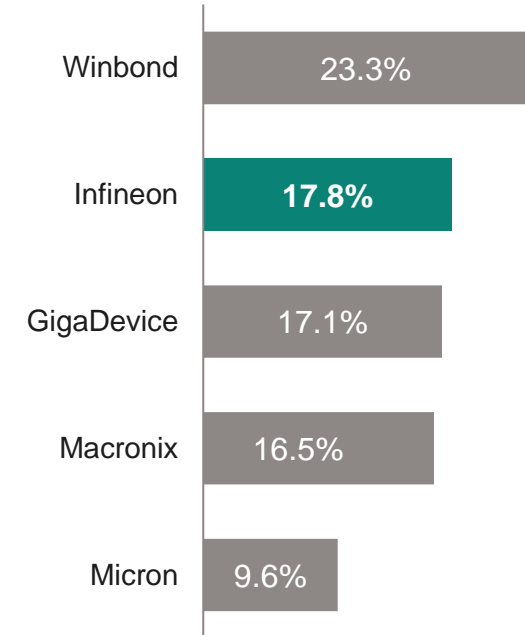
## MEMS microphones

2022 total global market: 7.3bn units<sup>2</sup>



## NOR Flash

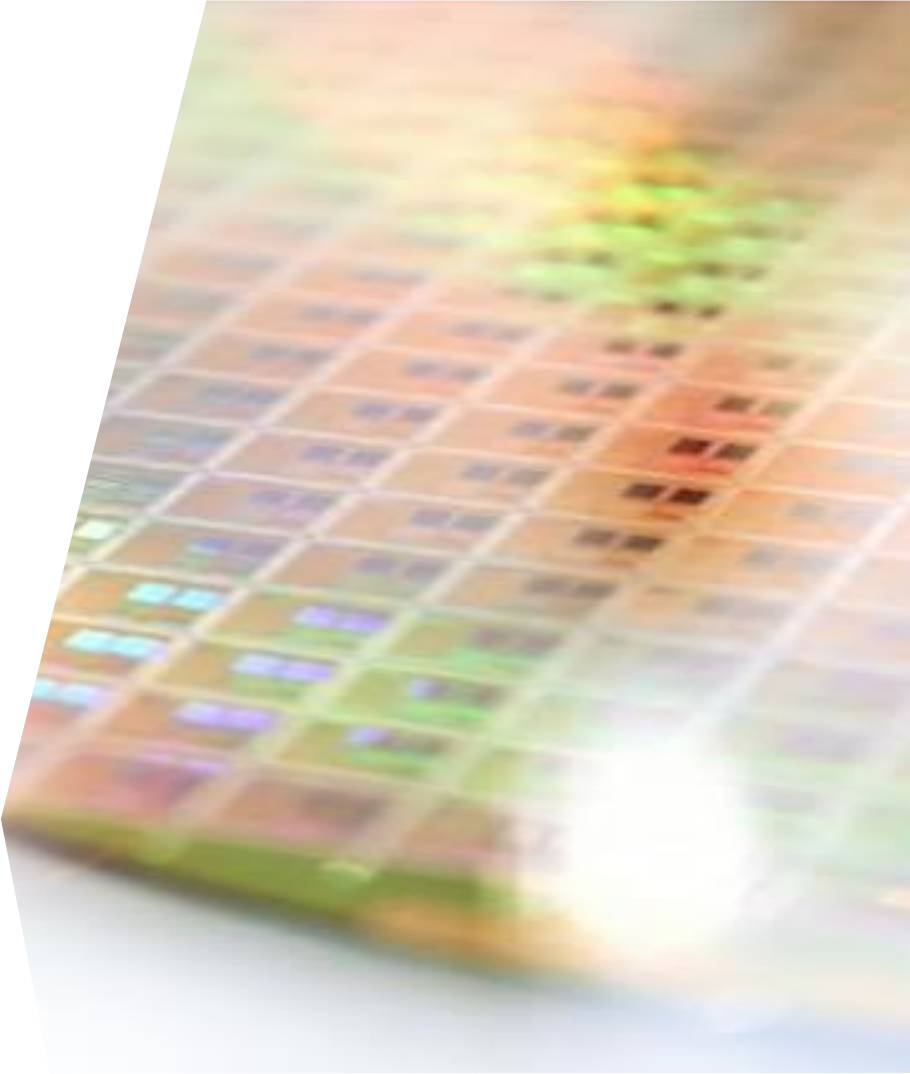
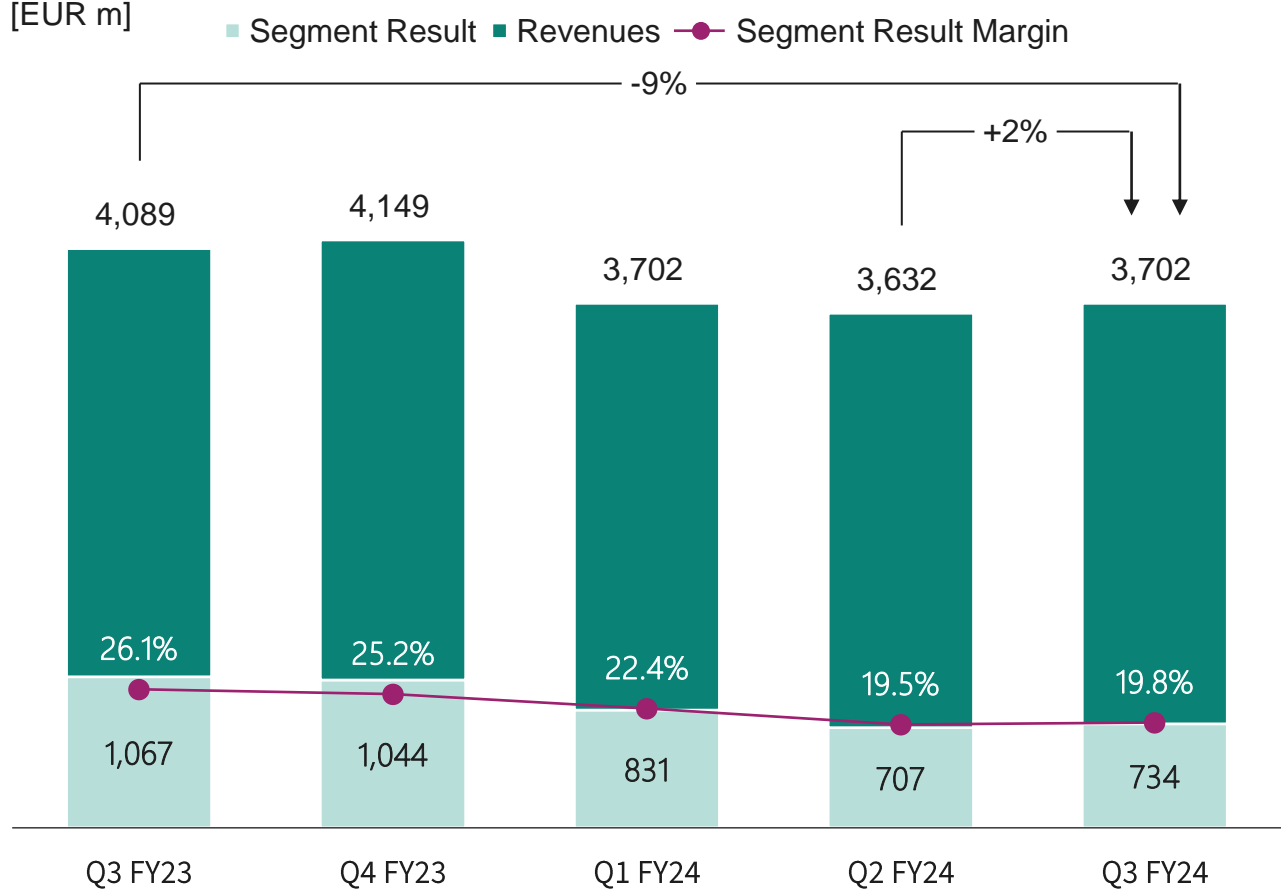
2023 total global market: USD 2.8bn<sup>3</sup>



<sup>1</sup> ABI Research: Secure Smart Card and Embedded Security IC Technologies. October 2023. | Excluding NFC controllers and embedded secure elements. | <sup>2</sup> Based on or includes research from Omdia: MEMS Microphone Report – 2023 Database. September 2023. | MEMS Microphone Die Suppliers. | <sup>3</sup> Based on or includes research from Omdia: Annual 2001-2023 Semiconductor Market Share Competitive Landscaping Tool – 1Q24. May 2024. Results are not an endorsement of Infineon Technologies AG. Any reliance on these results is at the third party's own risk.

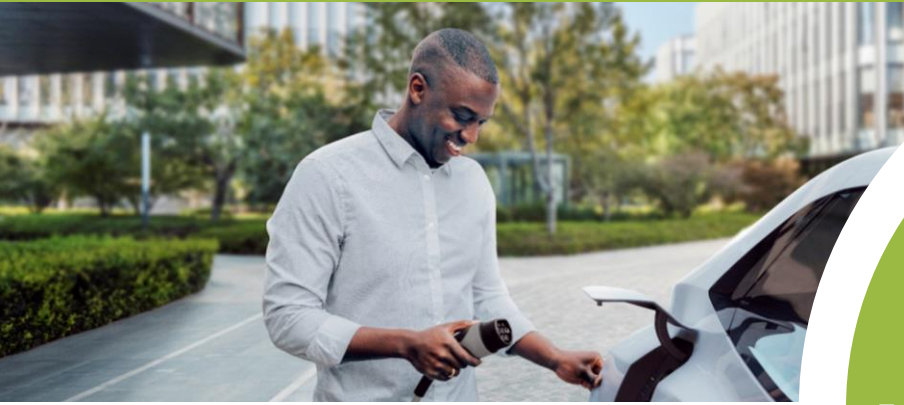
# Financial performance

## Revenues and Segment Result



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

## Automotive



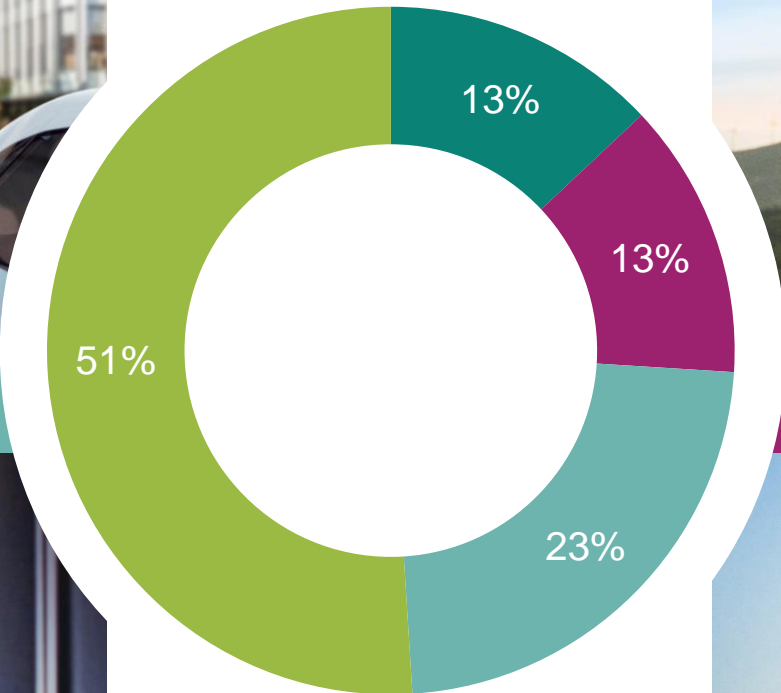
## Power & Sensor Systems



## Green Industrial Power



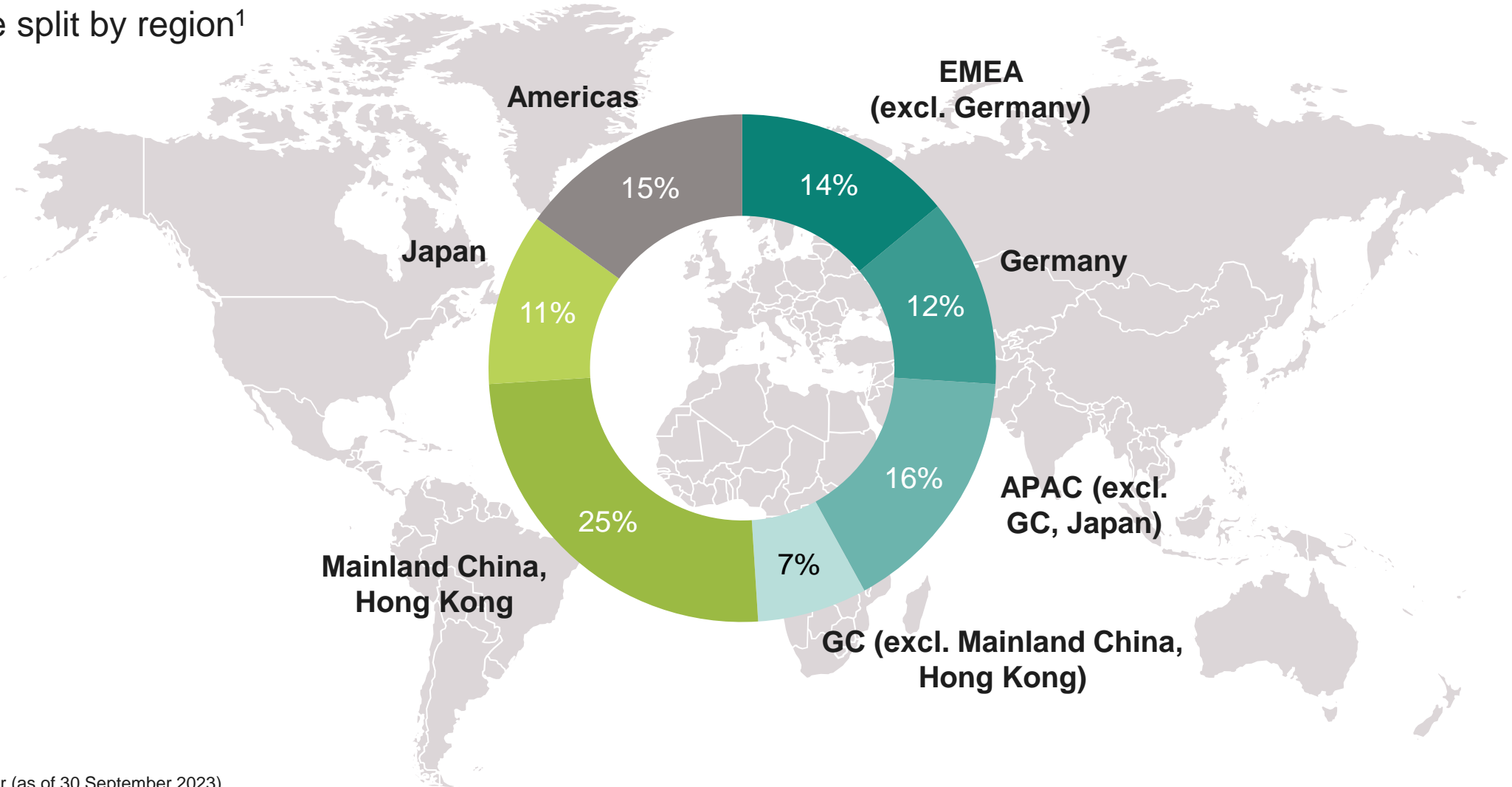
## Connected Secure Systems



<sup>1</sup> 2023 Fiscal year (as of 30 September 2023)

# Infineon is operating in all major regions of the world

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

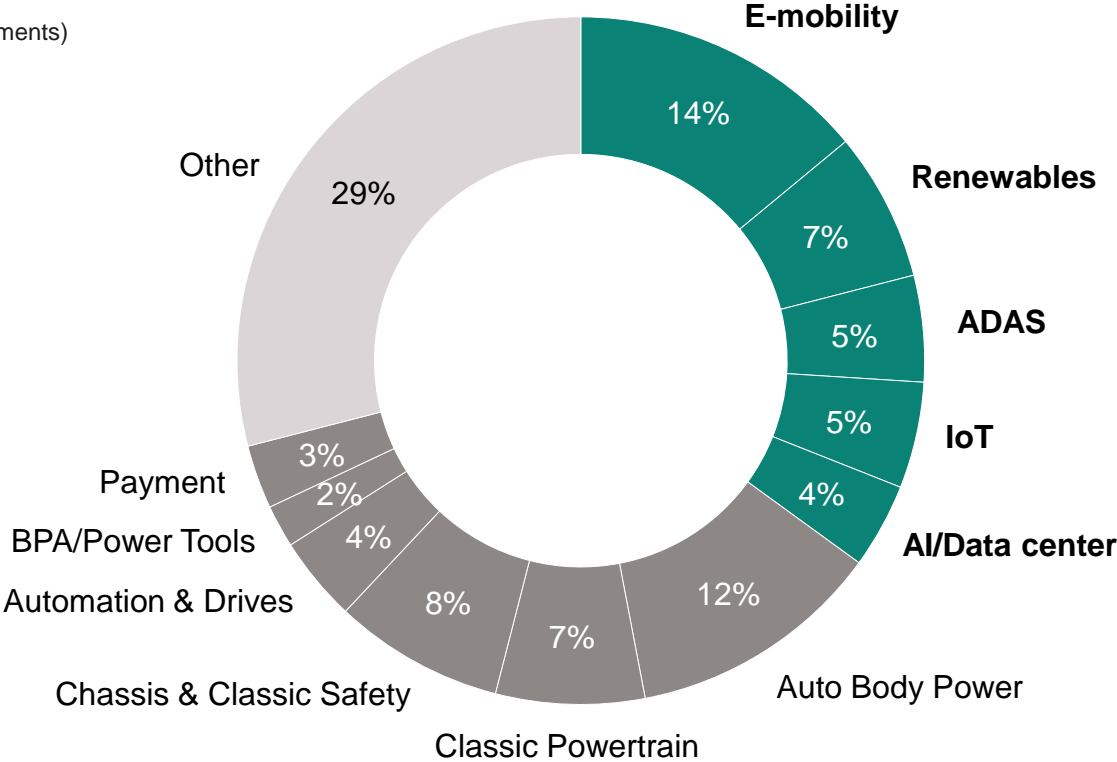


<sup>1</sup> 2023 Fiscal year (as of 30 September 2023)

# Well-balanced portfolio among key applications

Revenue split by key application<sup>1</sup>

- Main growth contributors (addressed by multiple segments)
- Further major applications



<sup>1</sup> 2023 Fiscal year (as of 30 September 2023)

# Automotive



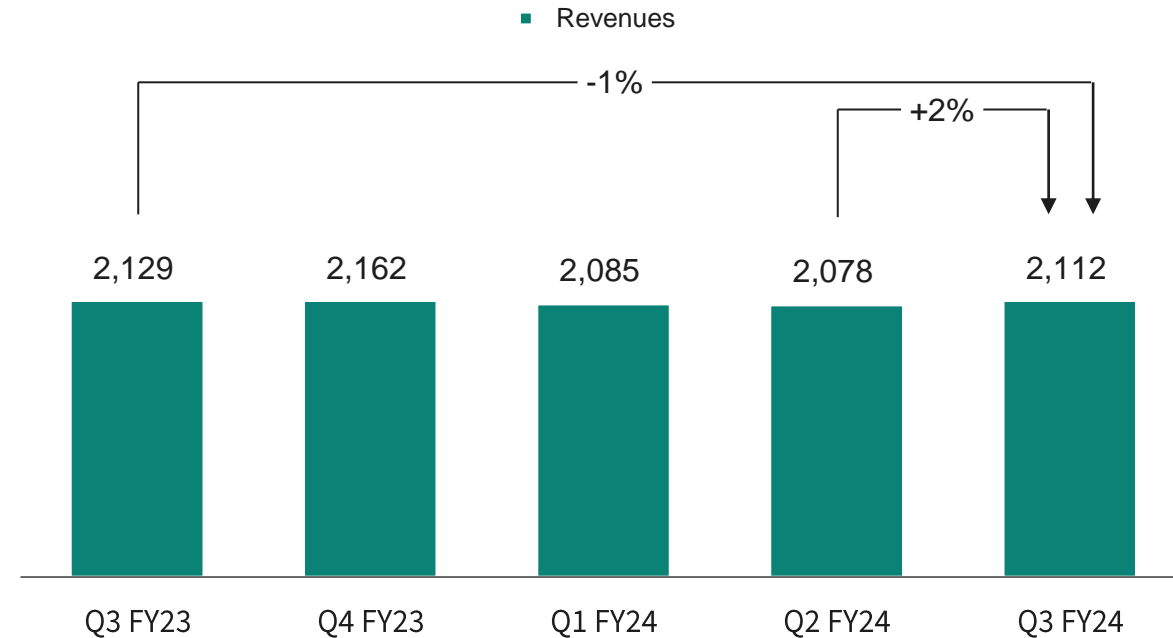
# Automotive shapes the future of mobility with microelectronics enabling clean, safe, and smart cars



Core applications: Assistance systems and safety systems, comfort electronics, infotainment, powertrain, security

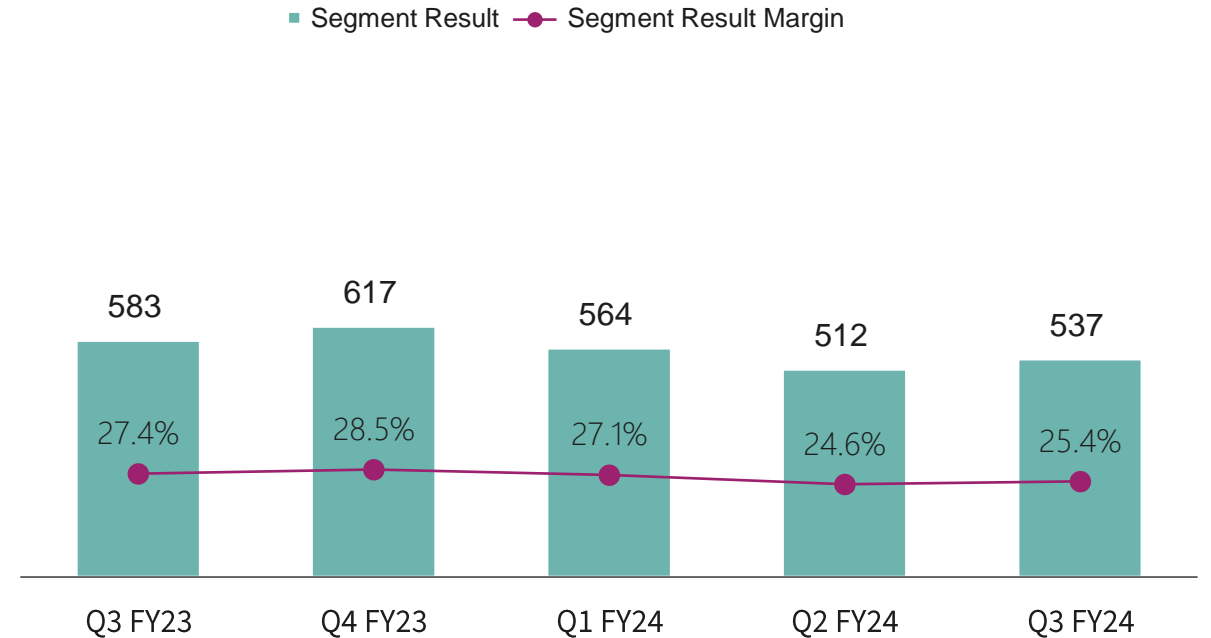
## Revenues

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## Segment Result

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# Green Industrial Power





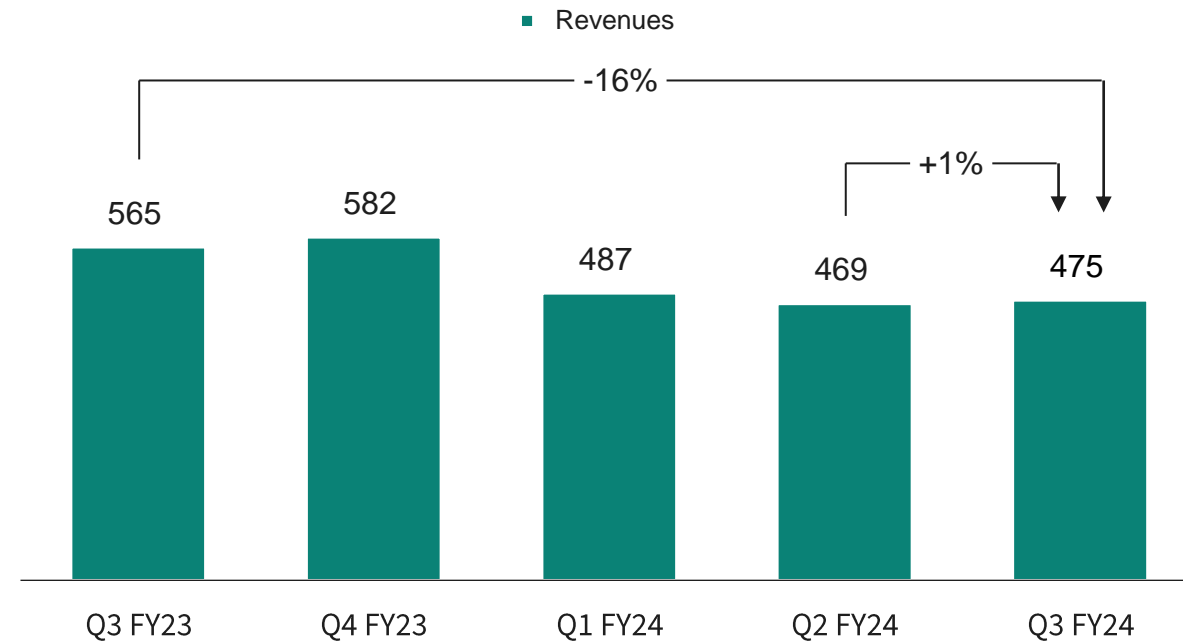
# Green Industrial Power empowers a world of unlimited green energy



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

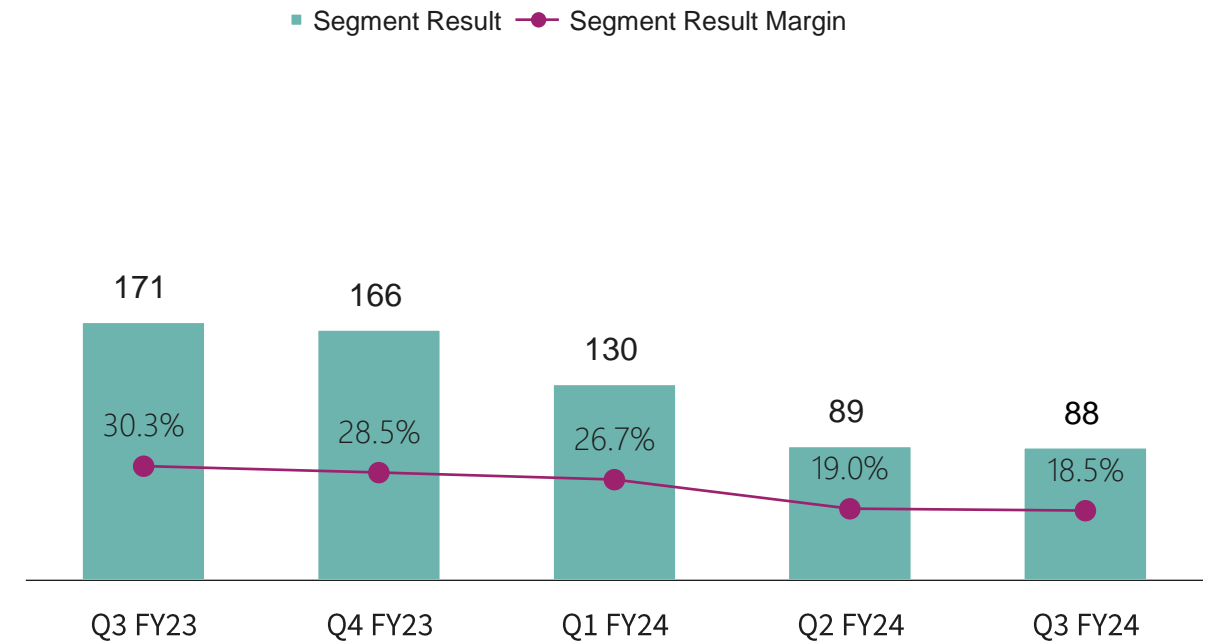
## Revenues

[EUR m]



## Segment Result

[EUR m]



# Power & Sensor Systems



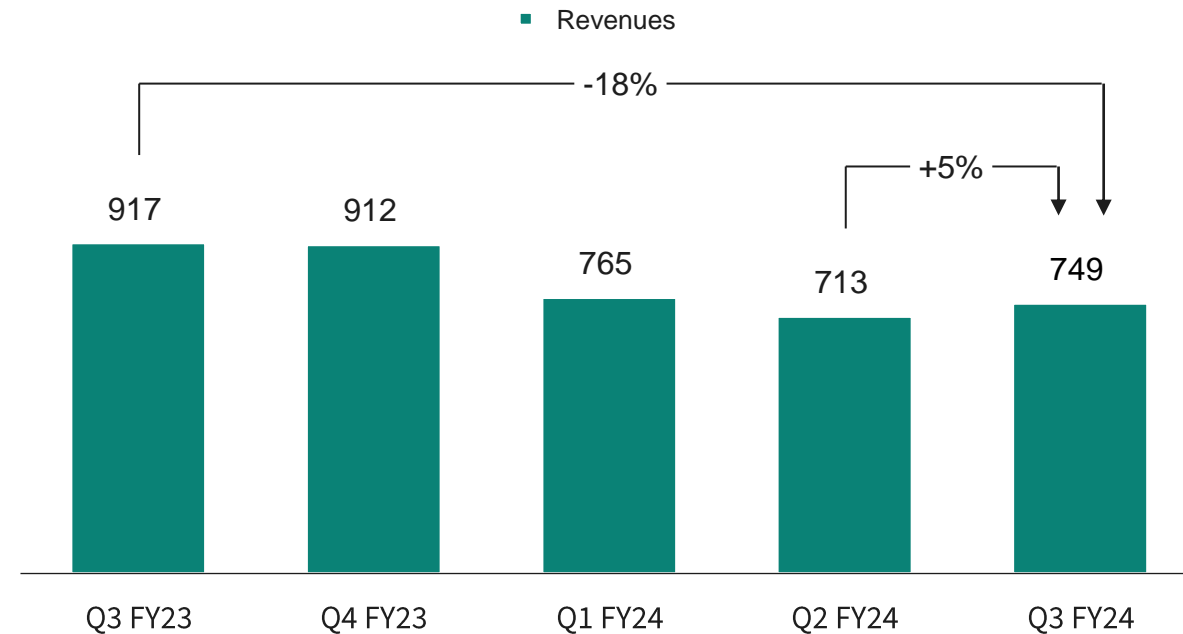
# Power & Sensor Systems drives leading-edge power management, sensing, and data transfer capabilities



Core applications: (AI) Data centers, automotive electronics, battery-powered appliances, BLDC motor, cellular communications infrastructure, charging stations for electric vehicles, human-machine-interaction, IoT, LED and conventional lighting systems, Microinverter for roof-top systems, mobile devices, power management

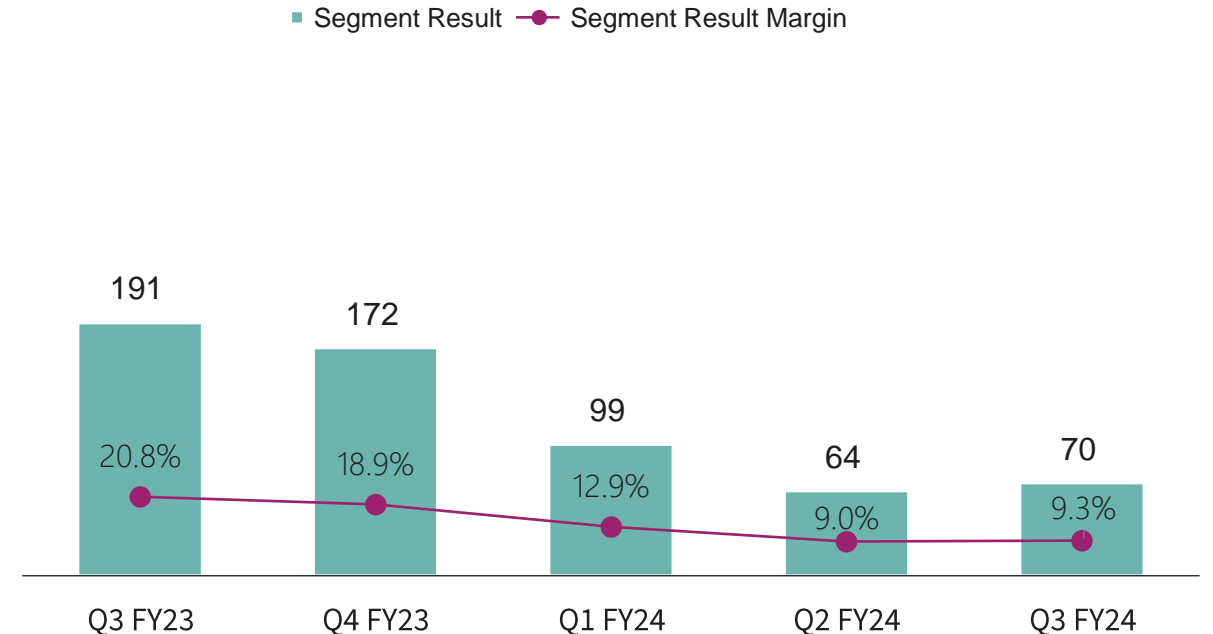
## Revenues

[EUR m]



## Segment Result

[EUR m]



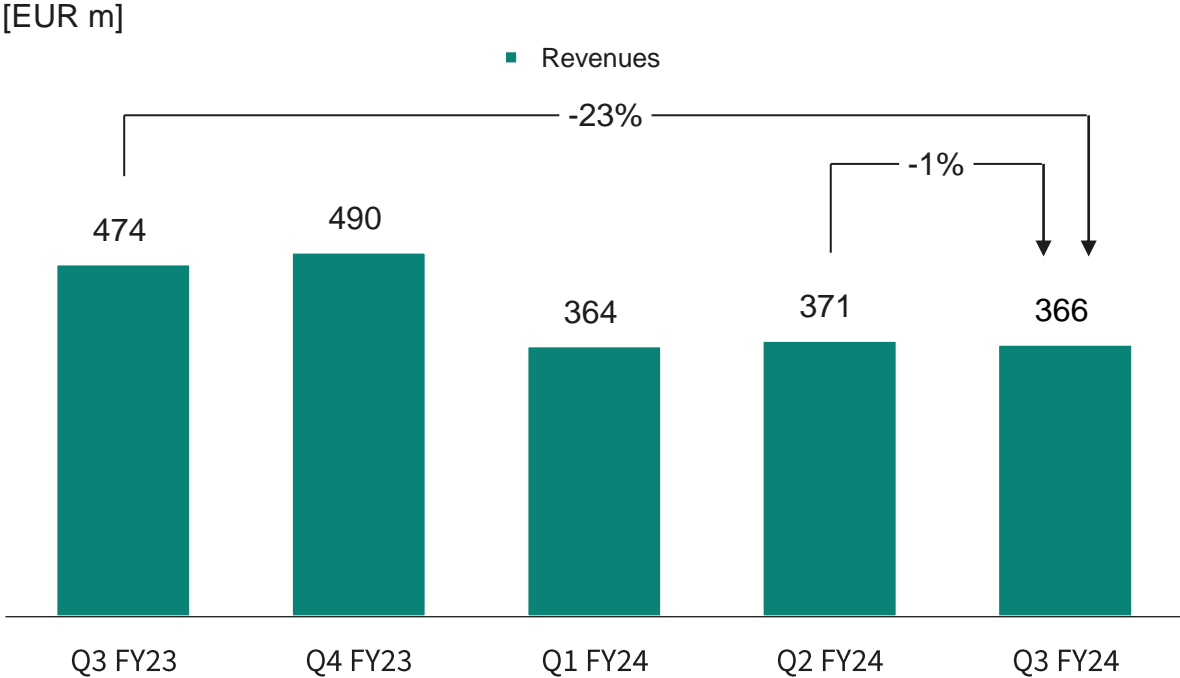
# Connected Secure Systems



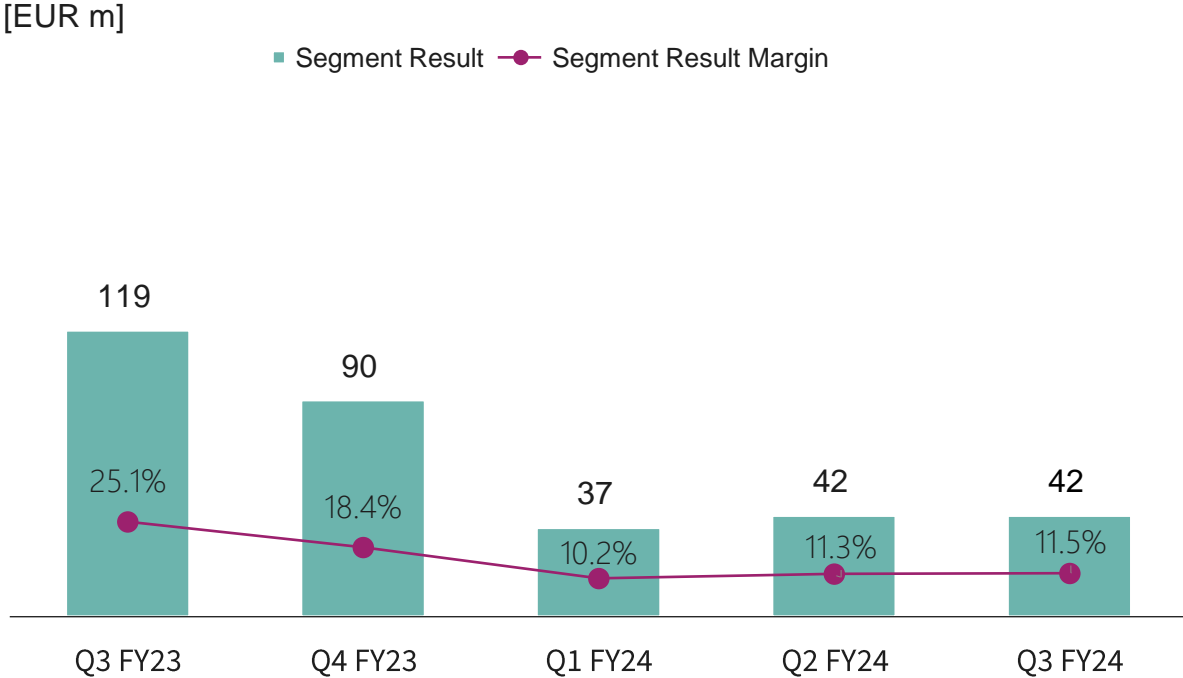
# Connected Secure Systems creates the basis for IoT

Core applications: Authentication, automotive, consumer electronics, government identification documents, IoT, mobile communications, payment systems, access control, trusted computing

## Revenues



## Segment Result



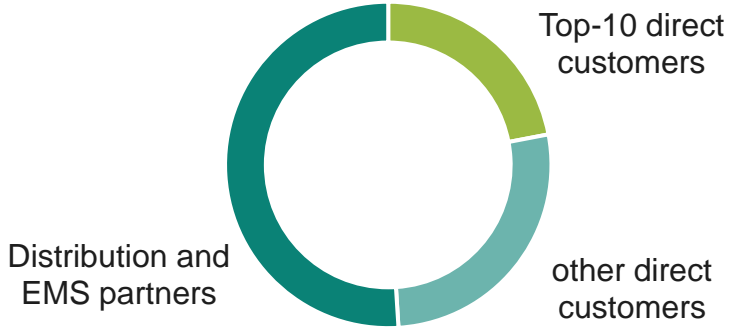
# Well-balanced customer portfolio

Revenue by sales channel in FY 2023 (no customer represents more than 10% of total sales)

## Distribution partners<sup>1</sup>

## Top-10 direct customers<sup>1</sup>

## EMS-Partner<sup>1</sup>



<sup>1</sup> in alphabetical order

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



Automotive	Green Industrial Power	Power & Sensor Systems	Connected Secure Systems

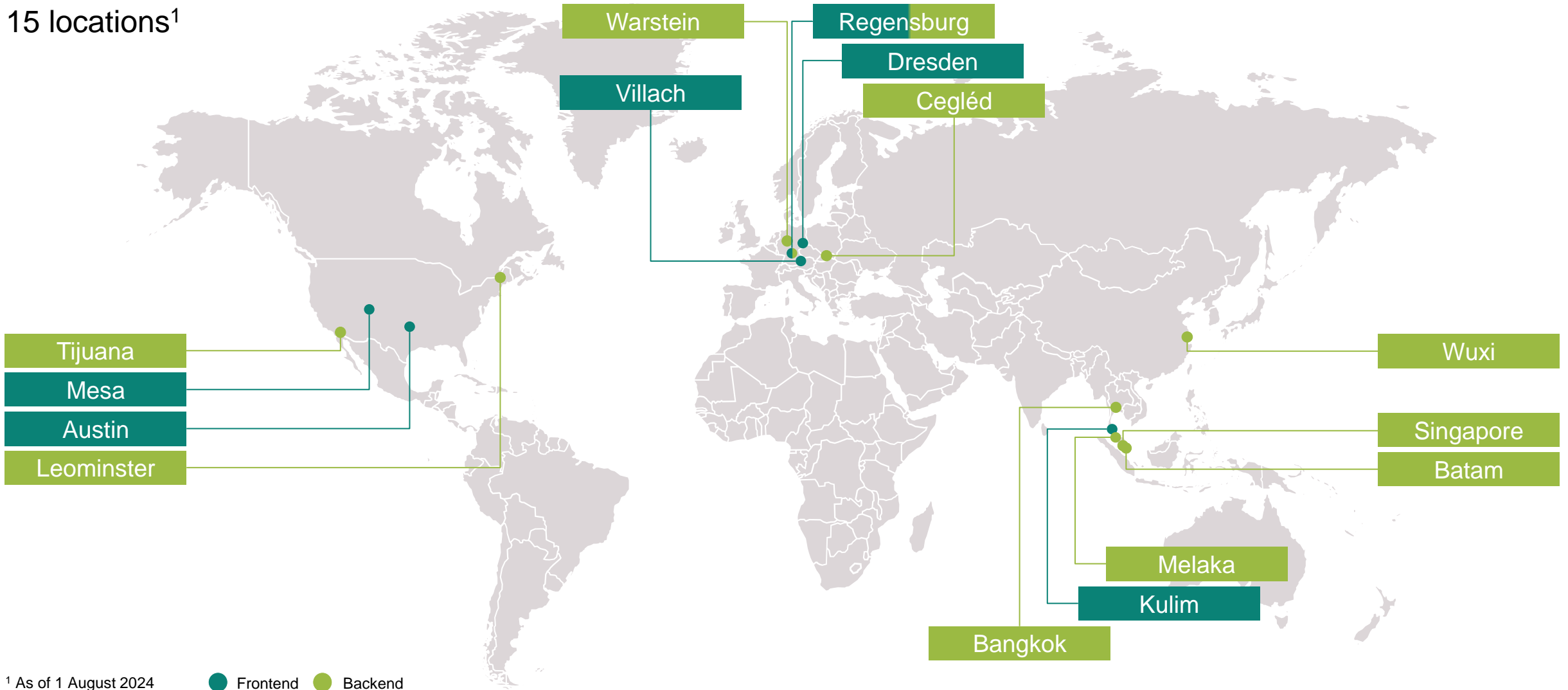
### EMS-Partners

### Distribution partners

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



15 locations<sup>1</sup>



<sup>1</sup> As of 1 August 2024

● Frontend ● Backend



# Our global Research and Development activities



**About 12 percent**

of Infineon's annual revenue goes into Research and Development (R&D). In fiscal year 2023, R&D investments amounted to about 2 billion euros.

**29,700 patents and patent applications in the overall portfolio**

show a high level of innovative strength and longterm competitiveness. In fiscal year 2023 alone, Infineon registered about 1,850 new patent applications.

**Numerous innovative ecosystems**

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

**69<sup>1</sup> sites in 25 countries and regions:**

<b>Americas</b>	Guadalajara, Tijuana (Mexico); Andover, Austin, Chandler, Colorado Springs, El Segundo, Irvine, Leominster, Lexington, Lynnwood, Morrisville, Murrieta, Portland, San Diego, San José and Warwick (all USA)
<b>Asia Pacific</b>	Bangalore (India); Batam (Indonesia); Cheonan and Seoul (both Korea); Ipoh, Kulim, Melaka and Penang (all Malaysia); Muntinlupa (Philippines); Singapore (Singapore); Nonthaburi (Thailand)
<b>Greater China</b>	Chengdu, Shanghai, Shenzhen, Wuxi and Xi'an (all Mainland China); Hsinchu and Taipei (both Taiwan)
<b>Japan</b>	Nagoya, Sendai, Tokyo (all Japan)
<b>Europe</b>	Graz, Klagenfurt, Linz and Villach (all Austria); Herlev (Denmark); Le Puy-Sainte-Réparate (France); Augsburg, Dresden, Duisburg, Erlangen, Ilmenau, Langen, Neubiberg, Regensburg, Soest and Warstein (all Germany); Budapest and Cegléd (both Hungary); Cork and Dublin (both Ireland); Netanya (Israel); Padua and Pavia (both Italy); Nijmegen (Netherlands); Brasov, Bucharest and Iasi (all Romania); Belgrad (Serbia); Bristol and Redhill (both UK); Lviv (Ukraine)

<sup>1</sup> as of 30 September 2023.



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

- 1** | Carbon neutrality<sup>1</sup> by 2030 – primarily by avoiding direct emissions and increasing energy efficiency
- 2** | Expansion of climate strategy to the supply chain by committing to set a Science-Based Target to include Scope 3
- 3** | Infineon's products and solutions enable a net-zero economy and link the real and the digital world

<sup>1</sup> Scope 1 and 2

# Corporate Social Responsibility: We create a net ecological benefit

In various areas of application (automotive electronics, industrial drives, photovoltaics as well as wind energy), our products can achieve CO<sub>2</sub> savings during their lifetime of around 117 million tons of CO<sub>2</sub> equivalents. Compared with the European electricity mix, this is around 12.5 percent of the annual net electricity production of the European Union.



**Net ecological benefit: CO<sub>2</sub> emissions reduction of more than 113 million tons**

<sup>1</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 2023 fiscal year.

<sup>2</sup> This figure is based on internally established criteria, which are described in the explanatory notes. The figure relates to the 2022 calendar year and takes into account the following application areas: automotive electronics, industrial drives, photovoltaics as well as 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 Global Environmental Sustainability Strategy focuses on four areas of action



## Sustainability at our sites

Our production facilities, buildings, and plants have a minimal footprint



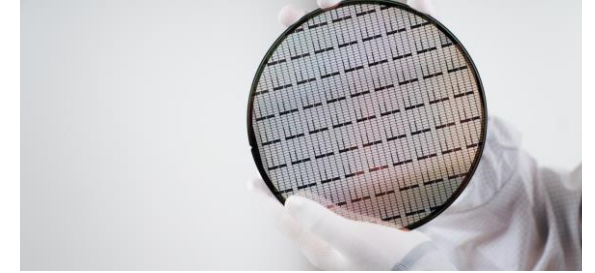
## In our supply chain

Infineon acts in an environmentally conscious and socially responsible manner across its supply chain



## As part of our culture

Our employees make a voluntary contribution to creating a sustainable world



## With our products

Our products are built into many different applications that make a significant contribution to decarbonization



"As Chief Digital and Sustainability Officer of Infineon Technologies, I will use my mandate to drive both - our digital and green transformation - together with our colleagues, customers, and partners around the world. This also means realizing new and disruptive ideas."

**Elke Reichart**  
Chief Digital and Sustainability Officer

# Infiniteon promotes respect for human rights, the environment and safe working conditions



## Together for human rights

Our commitment to internationally recognized human rights principles and standards, namely International Bill of Human Rights and its Universal Declaration on Human Rights is reflected in our:

- **CSR Policy**
- **Human Rights Policy**
- **Business Conduct Guidelines**
- **Supplier Code of Conduct**

Any suspicion of human rights violations or concerns can be raised by any stakeholder to either our Human Rights Officer, Compliance or through our whistleblower hotline [Infineon Integrity Line](#).

## Integrated Management Program for Environment, Energy, Safety & Health (IMPRES)

IMPRES is an internally developed management system which aims to fulfill the legal requirements and ensure:

- Efficient resources management
- High safety and health standards
- Environmental protection
- Efficient energy management

It is structured and certified in accordance with:



ISO  
14001<sup>1</sup>



ISO  
45001<sup>1</sup>



ISO  
50001<sup>2</sup>

<sup>1</sup> Since 2005 Infineon has a worldwide certification at all major manufacturing sites and corporate headquarters. | <sup>2</sup> Since 2012 Infineon is certified at the largest European manufacturing sites and corporate headquarters.

# Table of contents

- 1 Infineon at a glance
- 2 Market and business development
- 3 Sustainability
- 4 **Additional company information**

# Infineon's employees create a better future together

At Infineon, 58,600<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)

## Preethi Baran

Senior 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 **Wuxi**



"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."

<sup>1</sup> As of 30 September 2023.

# 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
- Time
- Reliability
- Volume and cost

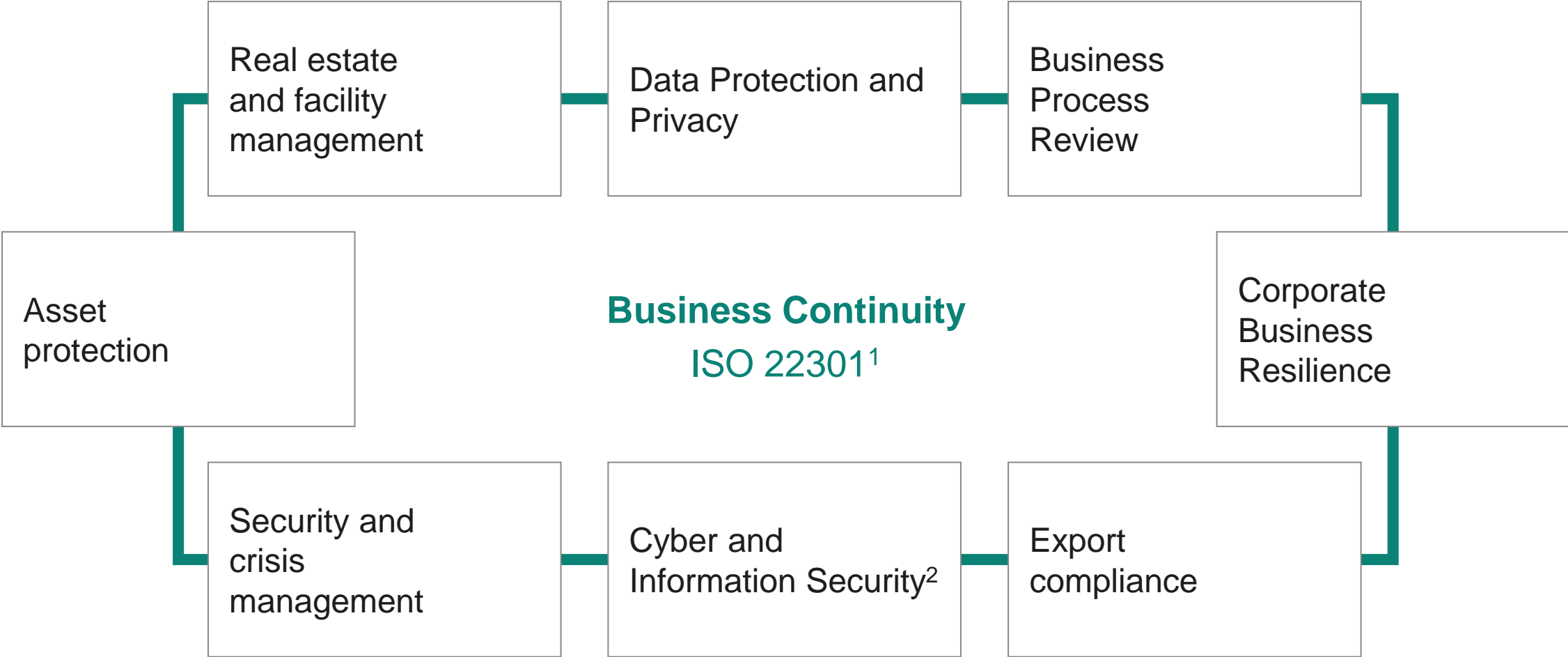
## Our foundation

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





# Business Continuity: Integrated management



<sup>1</sup> ISO 22301 certified in Villach (Austria), Dresden (Germany) and Regensburg (Germany). | <sup>2</sup> Different certifications (e.g. TISAX).



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