

Company presentation

Infineon Technologies AG

May 2024

public

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.

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Infineon is a global leader in power systems and IoT

Global leader

in automotive, power management,
energy efficient technologies and IoT

~58,600

employees[1]

Market position

Automotive	Power	Microcontroller
#1	**#1**	**#2**
TechInsights, April 2024	Omdia, September 2023	Gartner, April 2024



[1] As of 30 September 2023

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Infineon at a glance

Growth areas



Energy
green and efficient

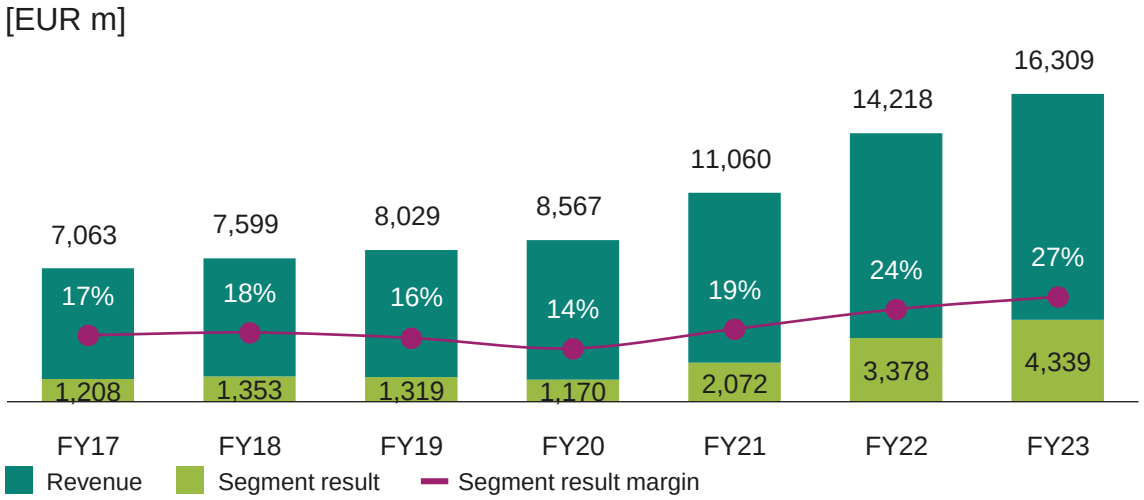


Mobility
clean and safe

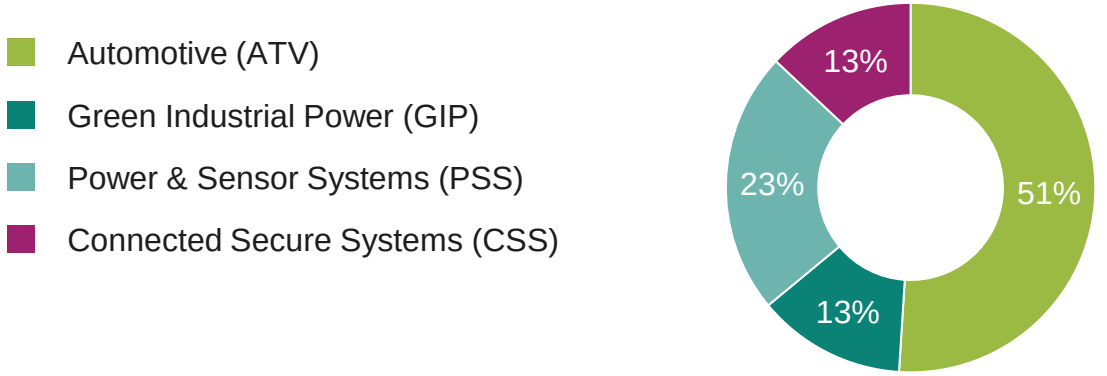


IoT
smart and secure

Financials



FY23 revenue by segment[1]

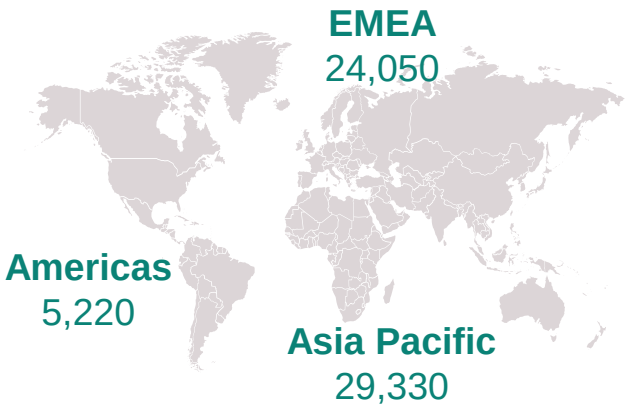


Employees[2]

58,600
employees worldwide

69
R&D and

17
manufacturing locations[2]



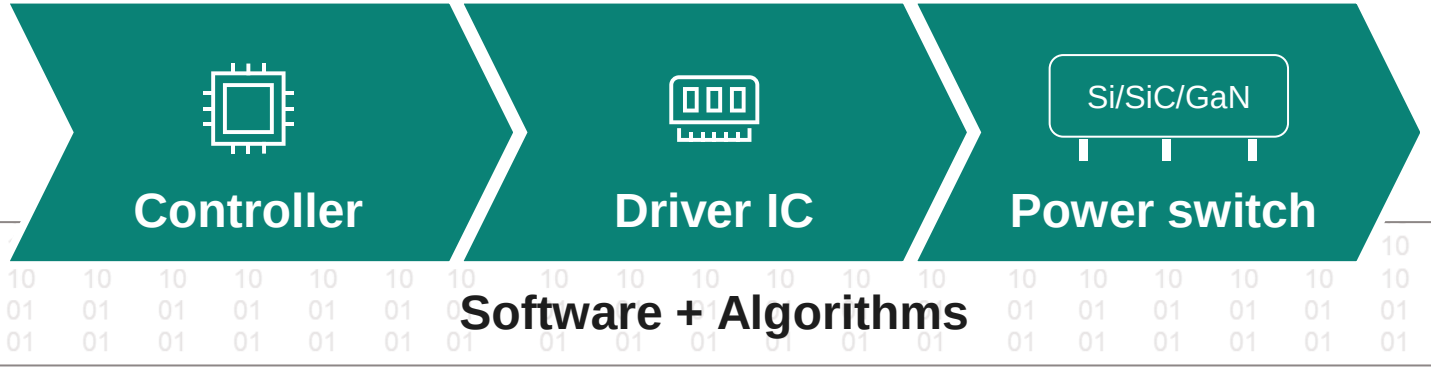
For further information: Infineon Annual Report.

[1] 2023 Fiscal year (as of 30 September 2023) | [2] As of 30 September 2023

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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

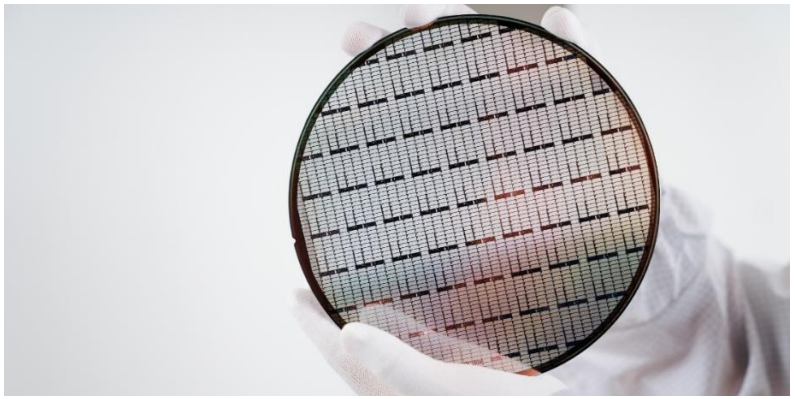
Silicon
Diode – MOSFET – IGBT – Driver – Controller



Silicon carbide
Diode – MOSFET



Gallium nitride
HEMT – Driver



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

Consumer IoT



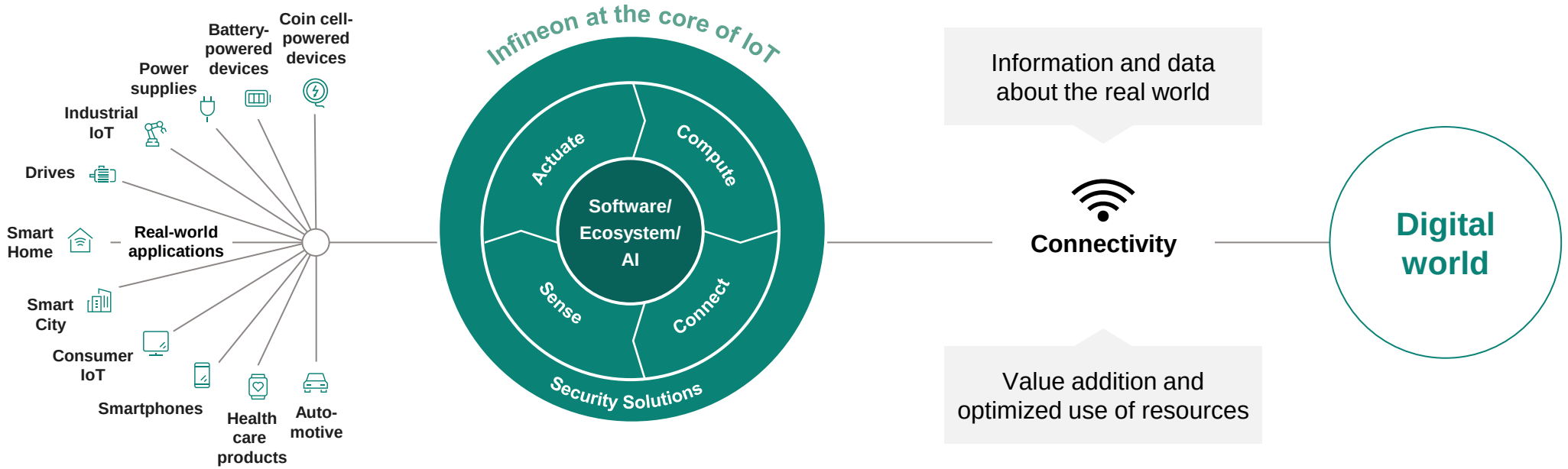
Industrial IoT



Automotive IoT



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

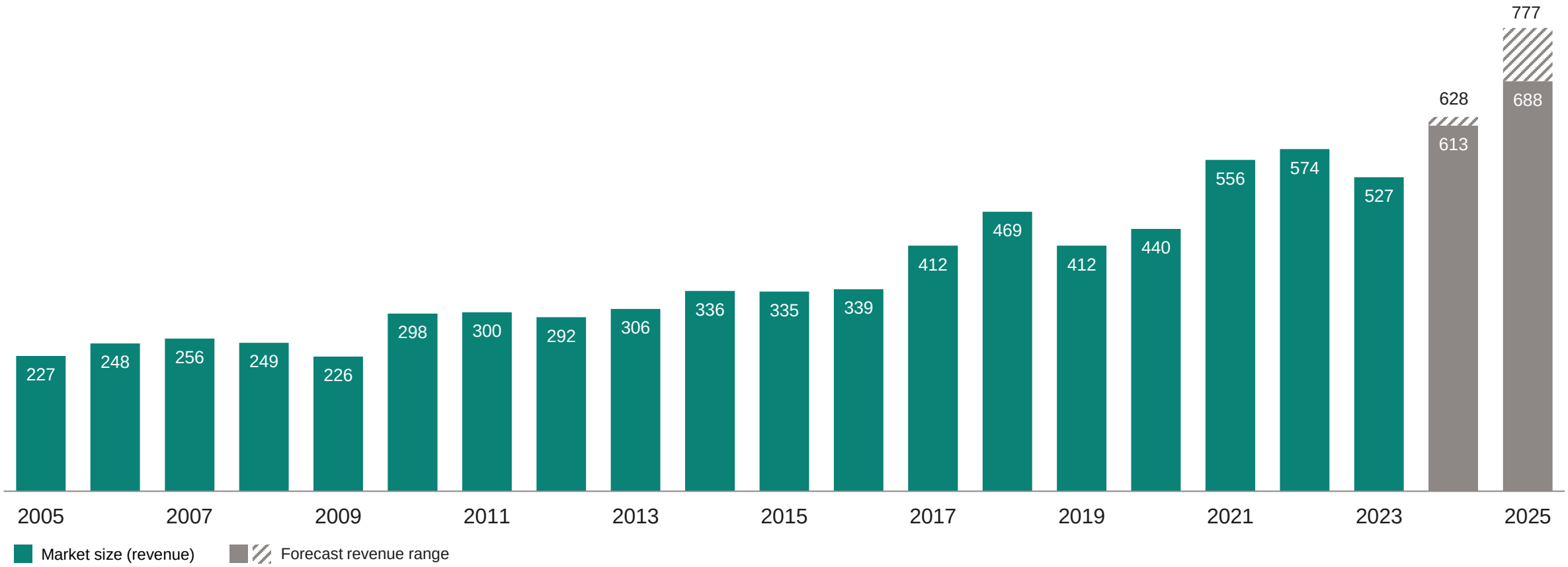


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Semiconductor market forecasts predict growth for 2024 & 2025

Global Semiconductor Market

Market size in billion US-Dollar



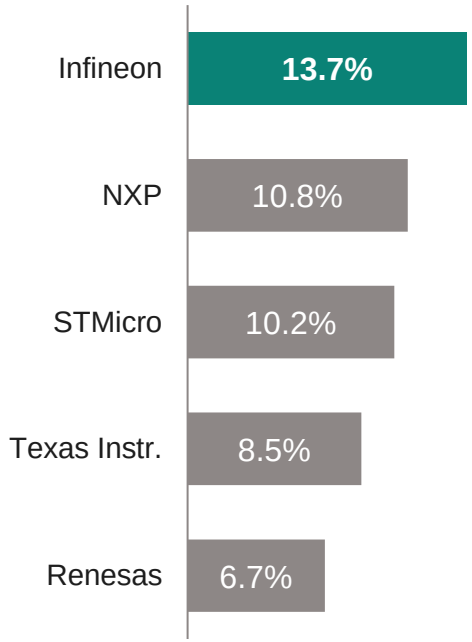
Source: WSTS for historical data.| **Forecast:** of WSTS, Omdia, Gartner, TechInsights; last update 2 May 2024.

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

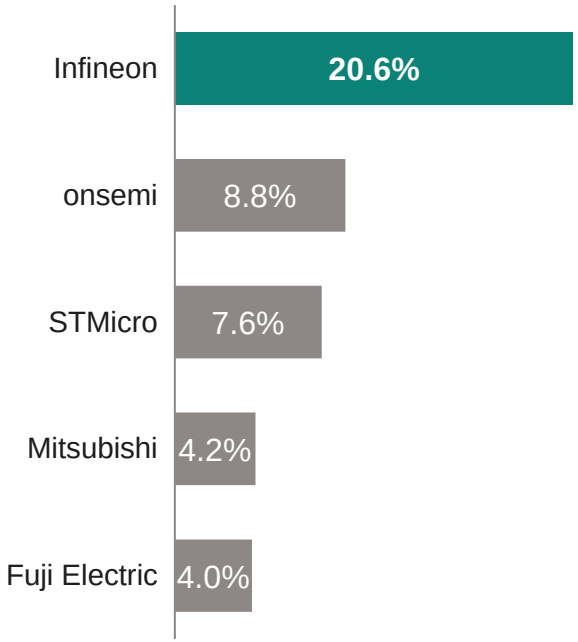
Automotive semiconductors

2023 total global market: USD 69.2bn[1]



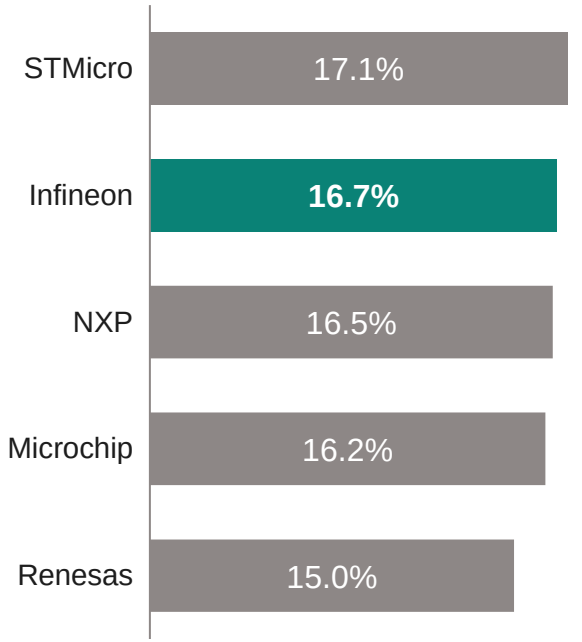
Power discretes and modules

2022 total global market: USD 30.9bn[2]



Microcontroller suppliers

2023 total global market: USD 29.8bn[3]



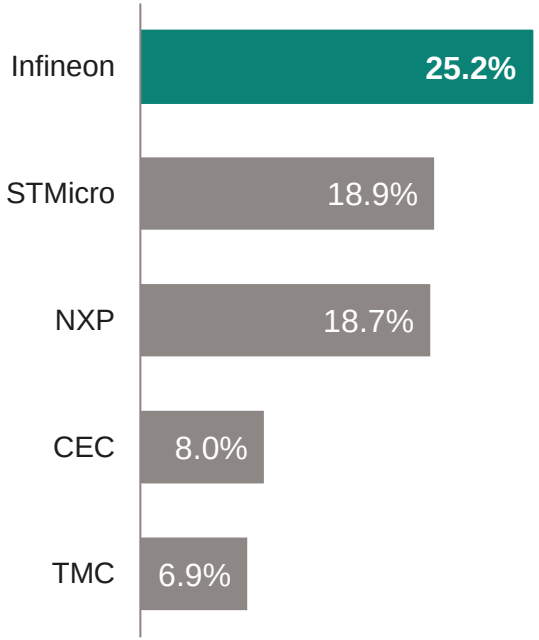
1 TechInsights: Automotive Semiconductor Vendor 2023 Market Shares. April 2024. | **2** Based on or includes research from Omdia: Power Semiconductor Market Share Database – 2022. September 2023. Results are not an endorsement of Infineon Technologies AG. Any reliance on these results is at the third party's own risk. | **3** Charts/graphics created by Infineon based on Gartner research. Source: Gartner, Inc., Market Share: Semiconductors by End Market, Worldwide, *2023.* April 2024. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and is used herein with permission. All rights reserved. Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

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

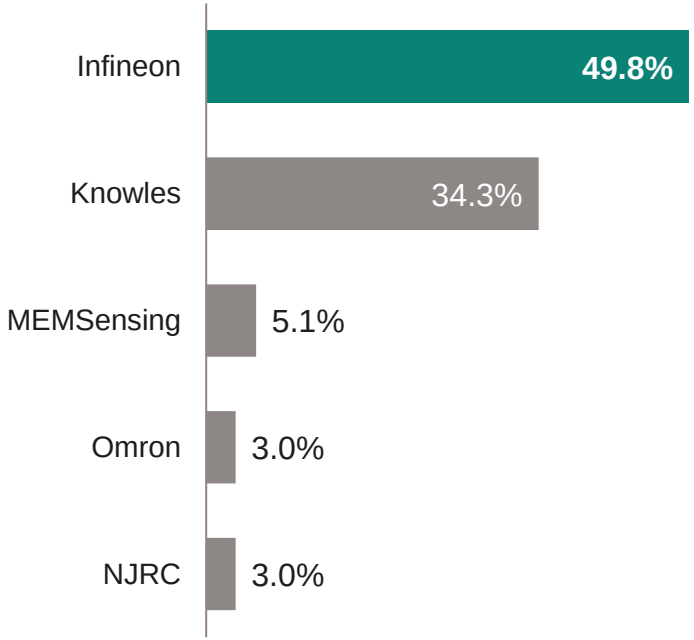
Security ICs

2022 total global market: USD 3.6bn[1]



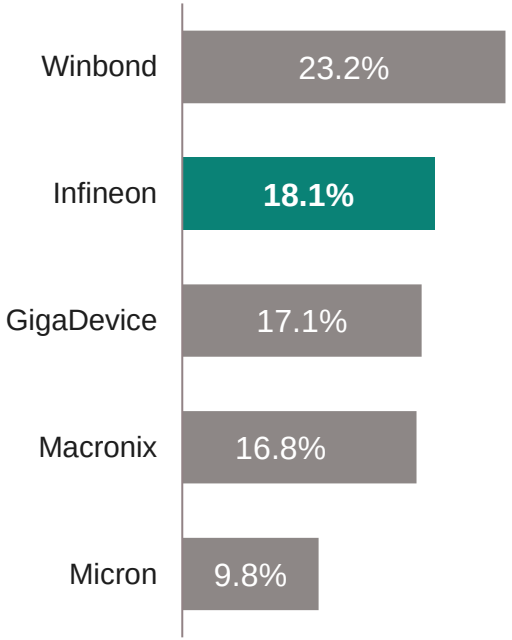
MEMS microphones

2022 total global market: 7.3bn units[2]



NOR Flash

2023 total global market: USD 2.7bn[3]

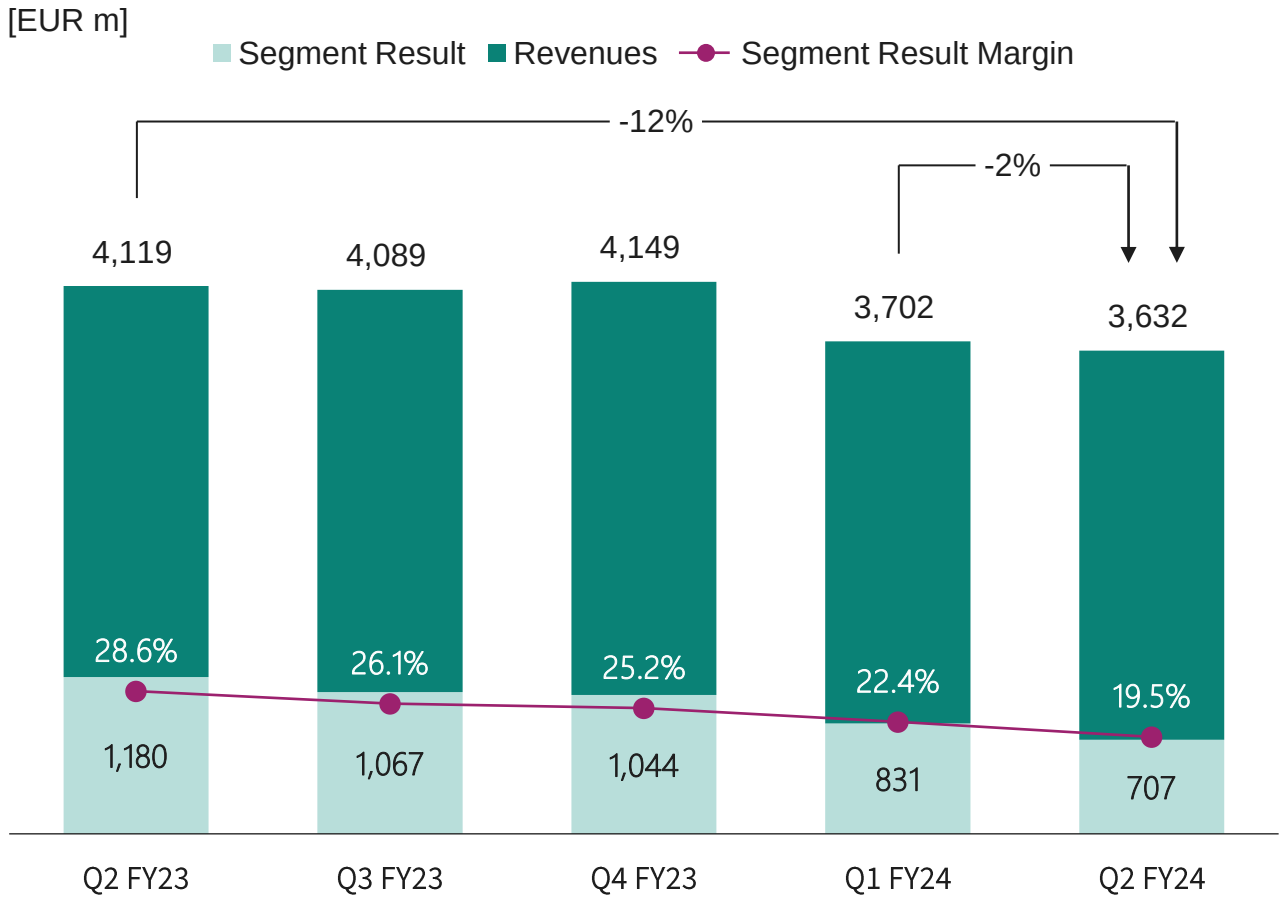


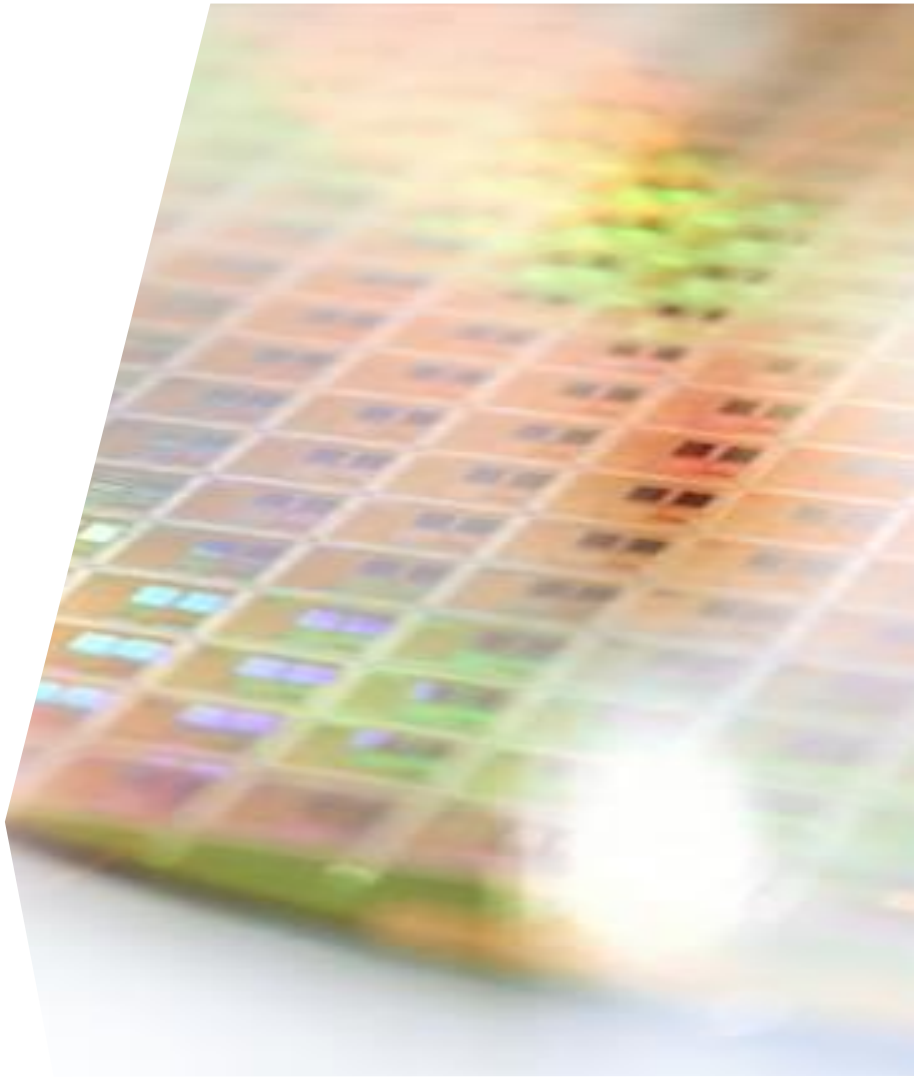
1 ABI Research: Secure Smart Card and Embedded Security IC Technologies. October 2023. | Excluding NFC controllers and embedded secure elements. | **2** Based on or includes research from Omdia: MEMS Microphone Report – 2023 Database. September 2023. | MEMS Microphone Die Suppliers. | **3** Based on or includes research from Omdia: Annual 2001-2023 Semiconductor Market Share Competitive Landscaping Tool – 4Q23. March 2024. Results are not an endorsement of Infineon Technologies AG. Any reliance on these results is at the third party's own risk.

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Financial performance

Revenues and Segment Result

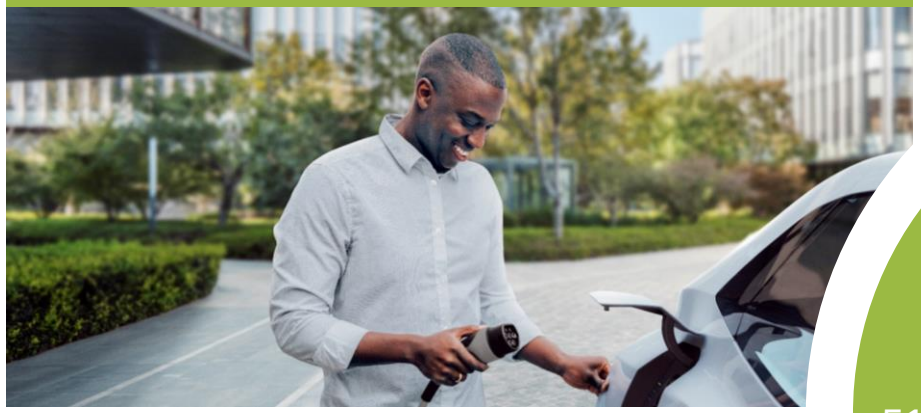




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Revenue split by segment[1]

Automotive



Power & Sensor Systems





Green Industrial Power



Connected Secure Systems

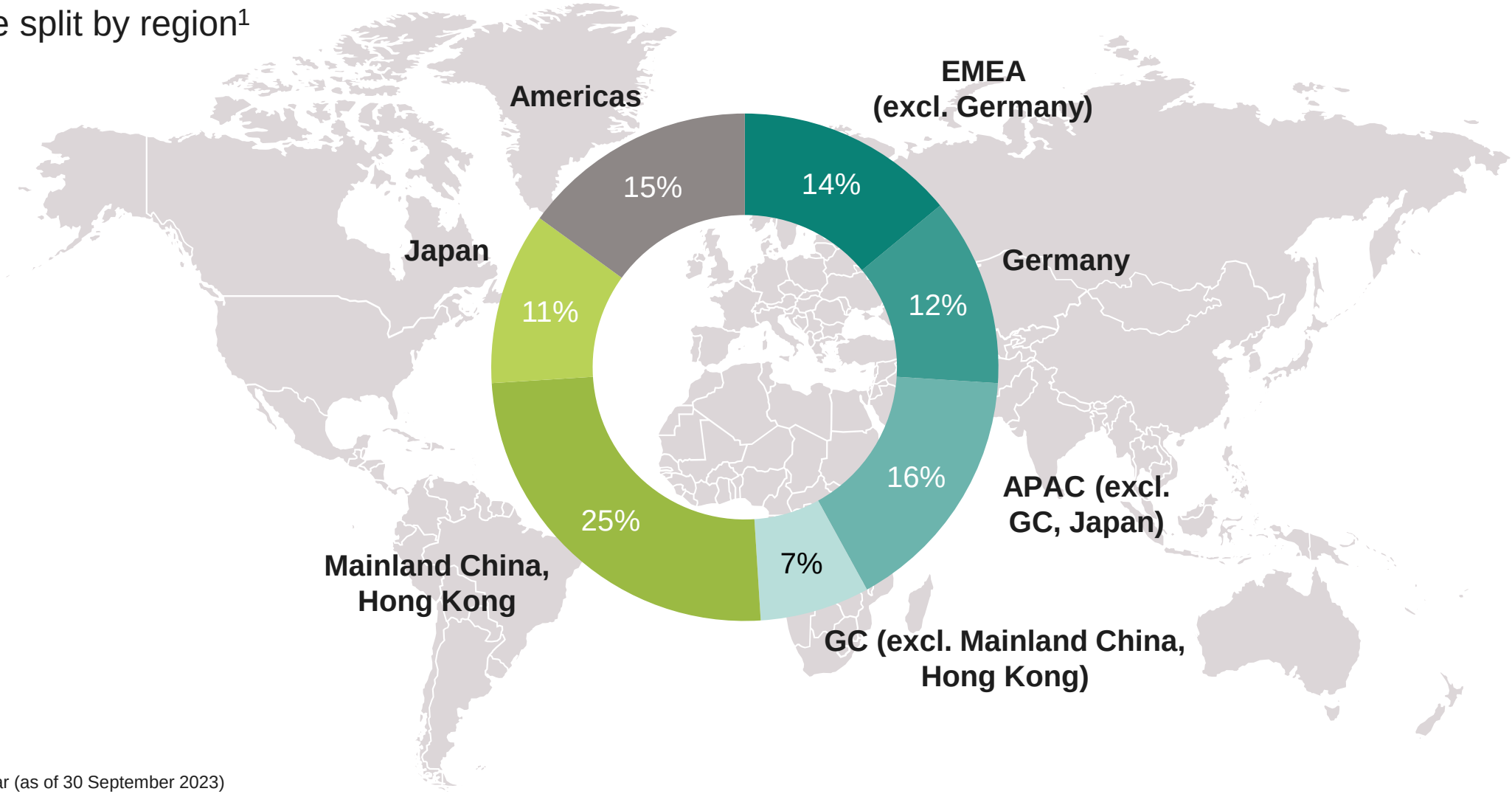


[1] 2023 Fiscal year (as of 30 September 2023)

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Infineon is operating in all major regions of the world

Revenue split by region[1]



[1] 2023 Fiscal year (as of 30 September 2023)

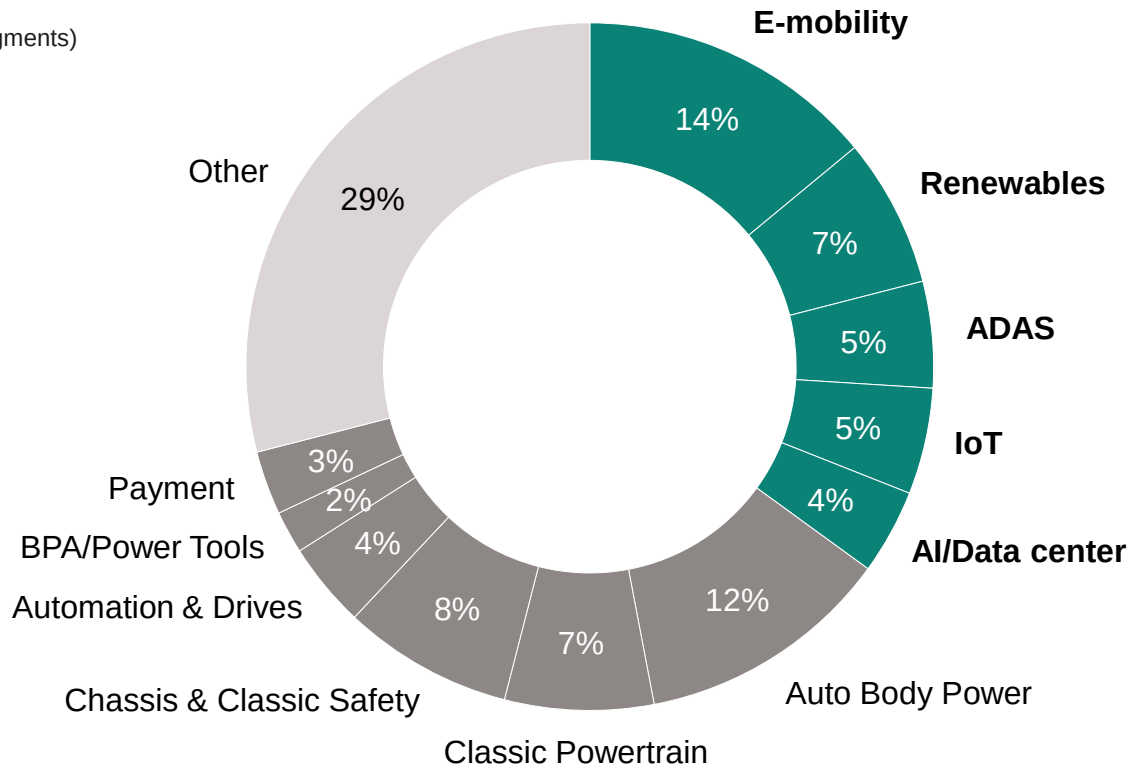
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Well-balanced portfolio among key applications

Revenue split by key application[1]

Main growth contributors (addressed by multiple segments)

Further major applications



[1] 2023 Fiscal year (as of 30 September 2023)

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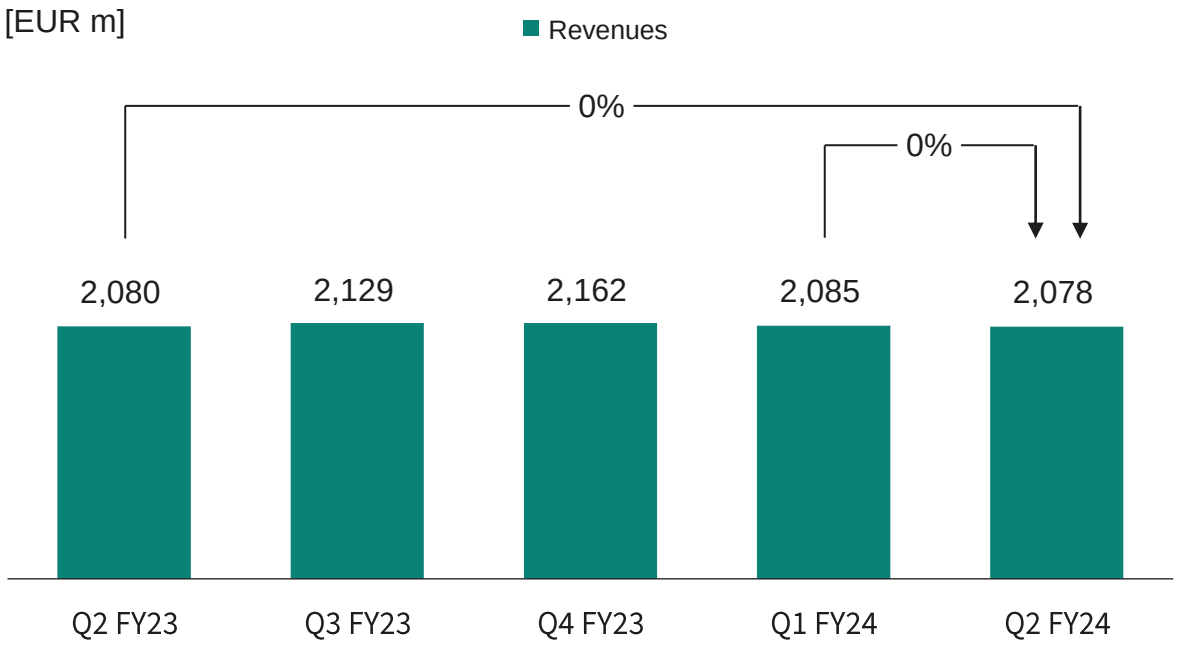
Automotive



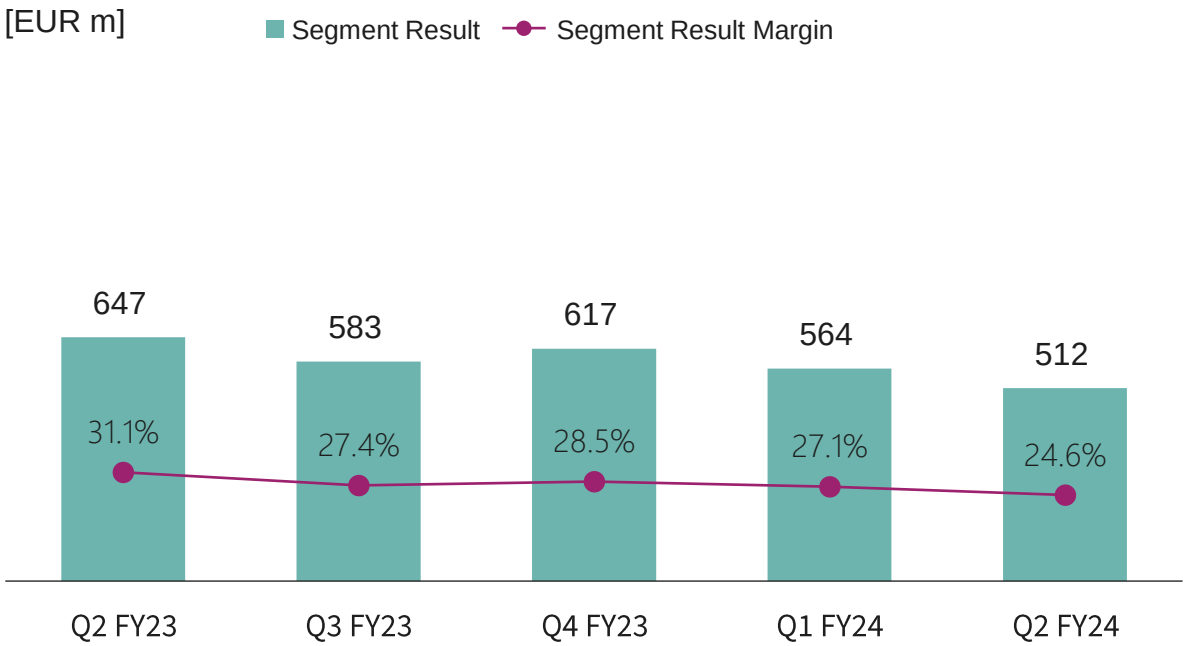
Automotive shapes the future of mobility with microelectronics enabling clean, safe, and smart cars

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

Revenues



Segment Result



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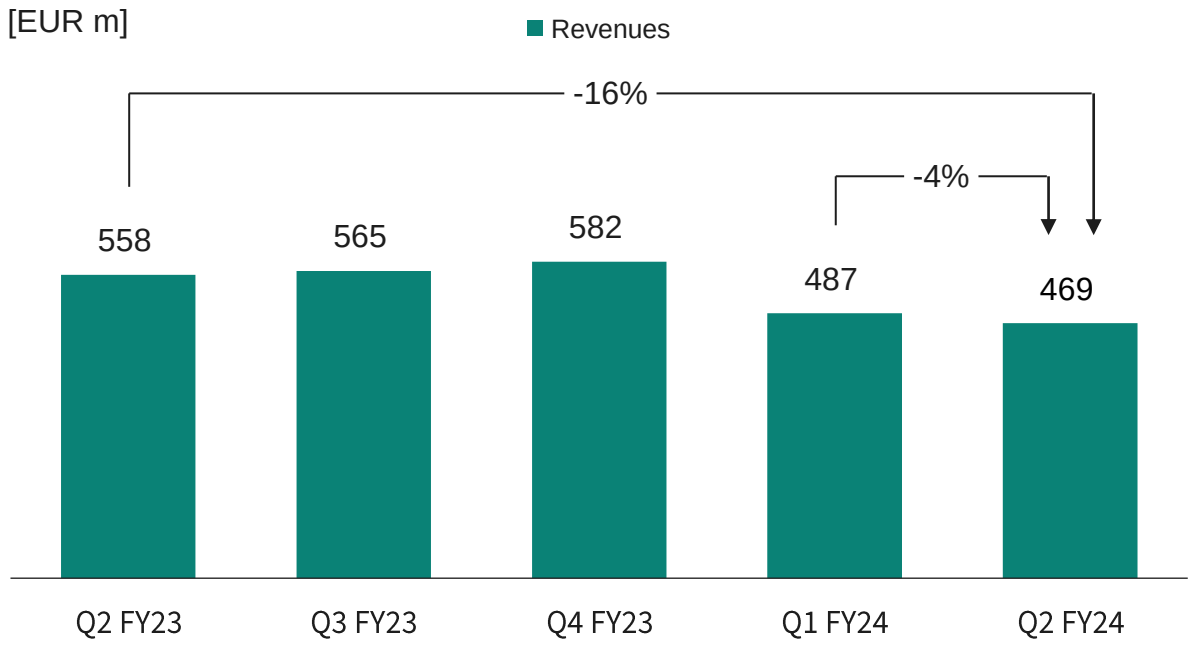
Green Industrial Power



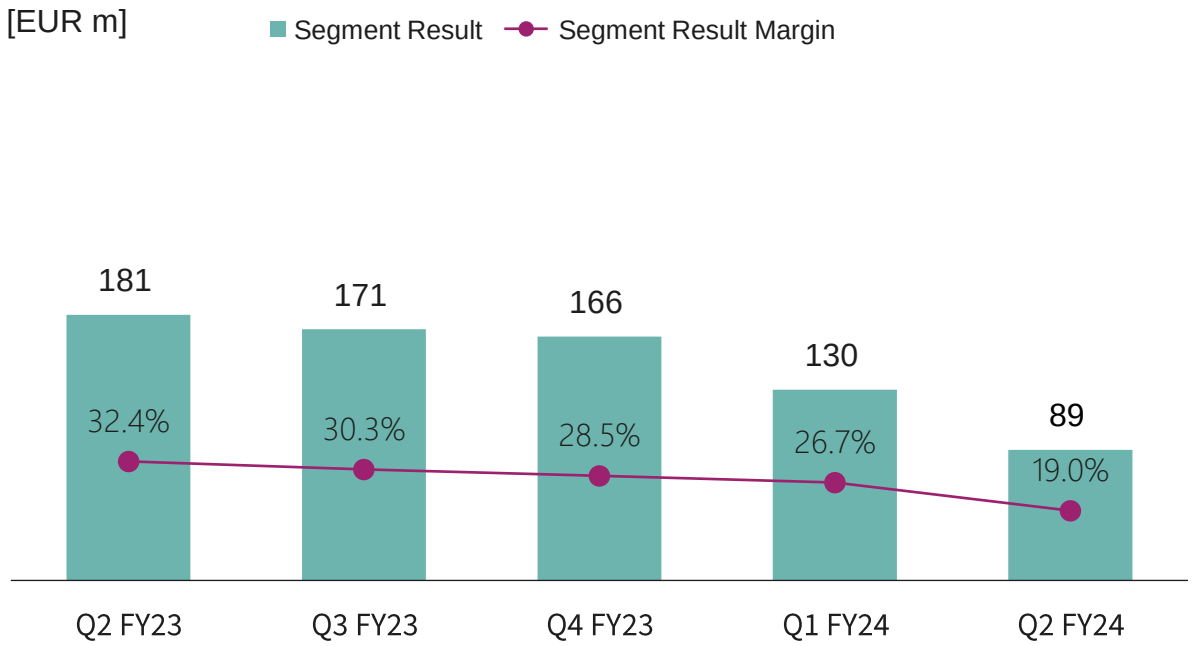
Green Industrial Power empowers a world of unlimited green energy

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

Revenues



Segment Result



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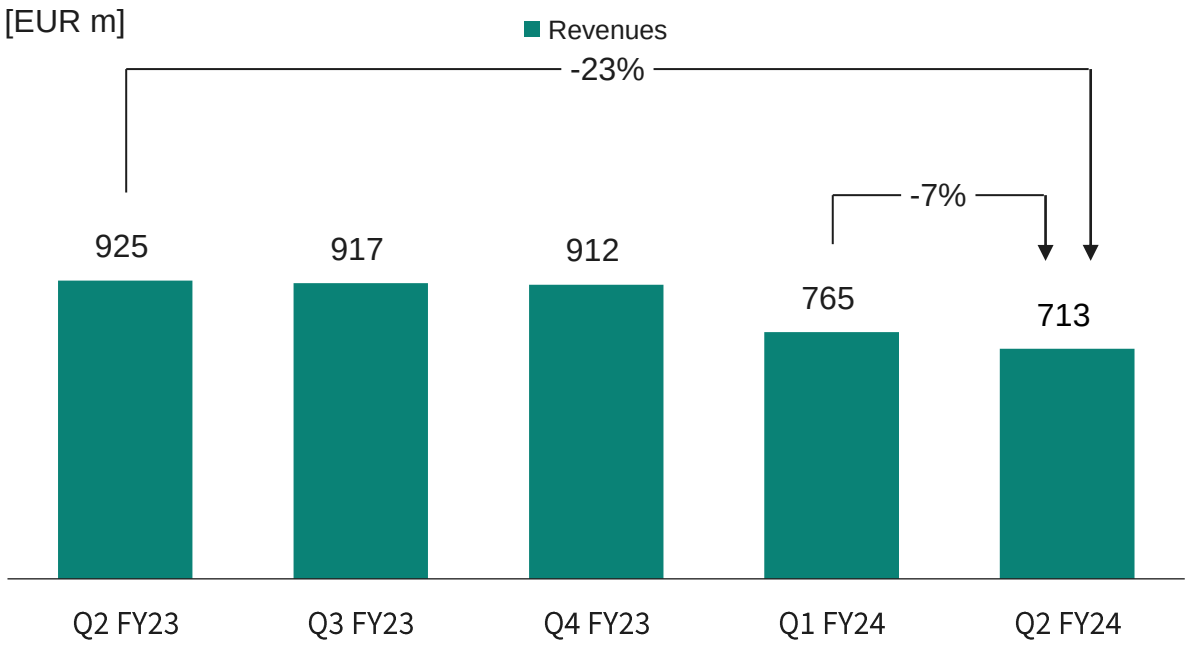
Power &
Sensor Systems



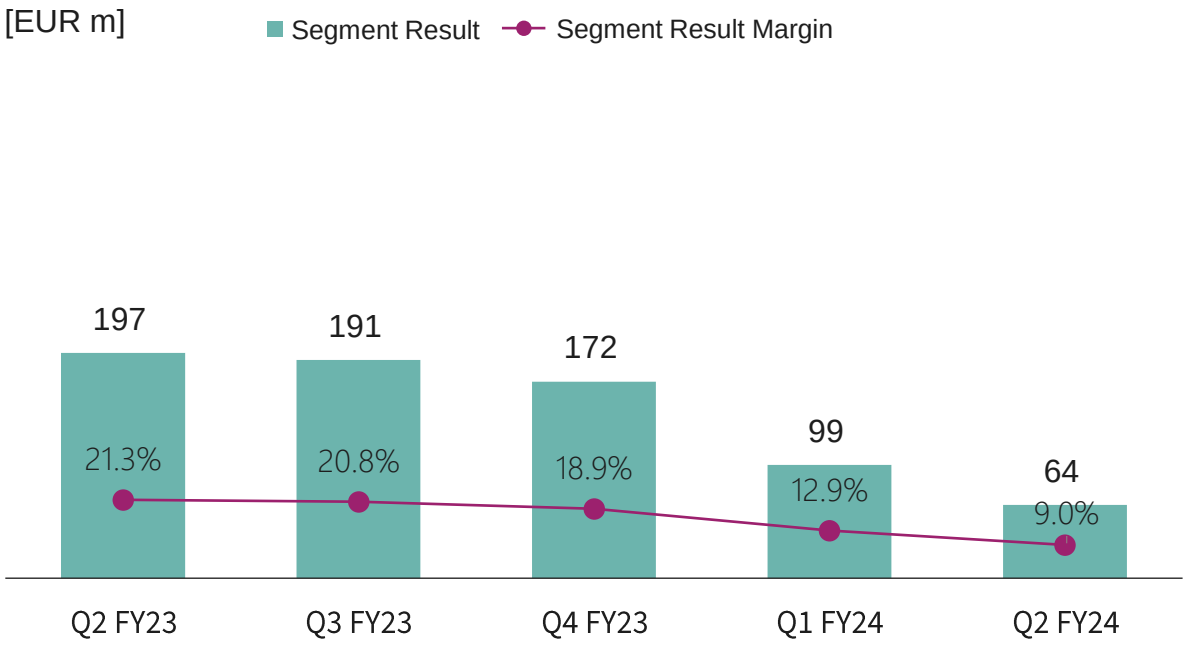
Power & Sensor Systems drives leading-edge power management, sensing, and data transfer capabilities

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



Segment Result



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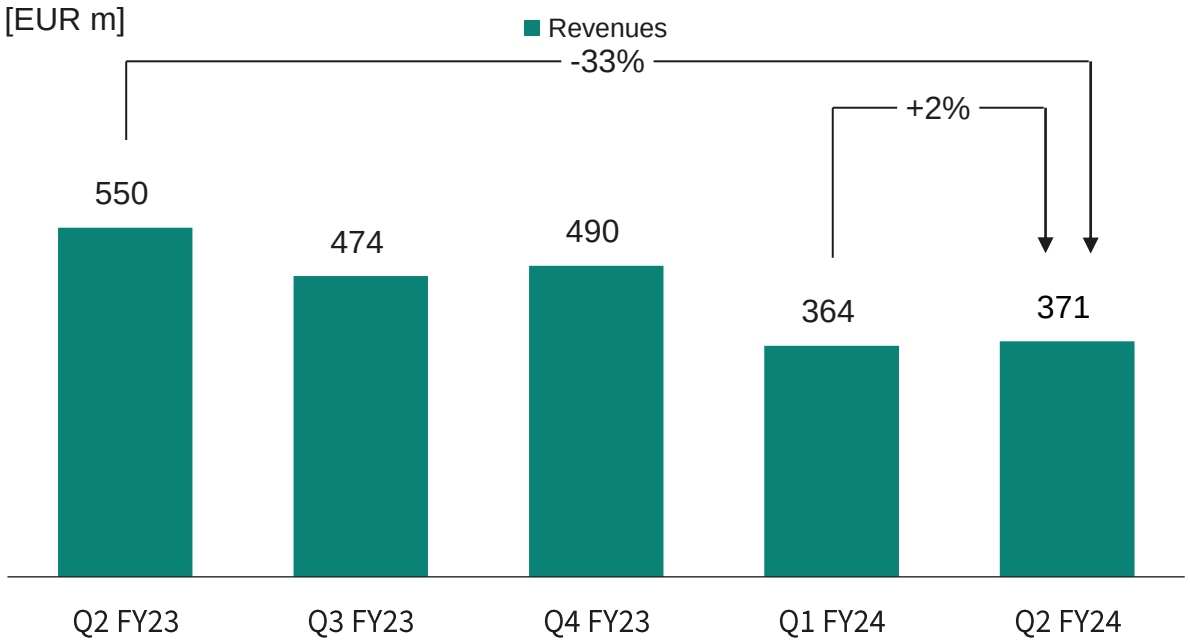
Connected Secure Systems



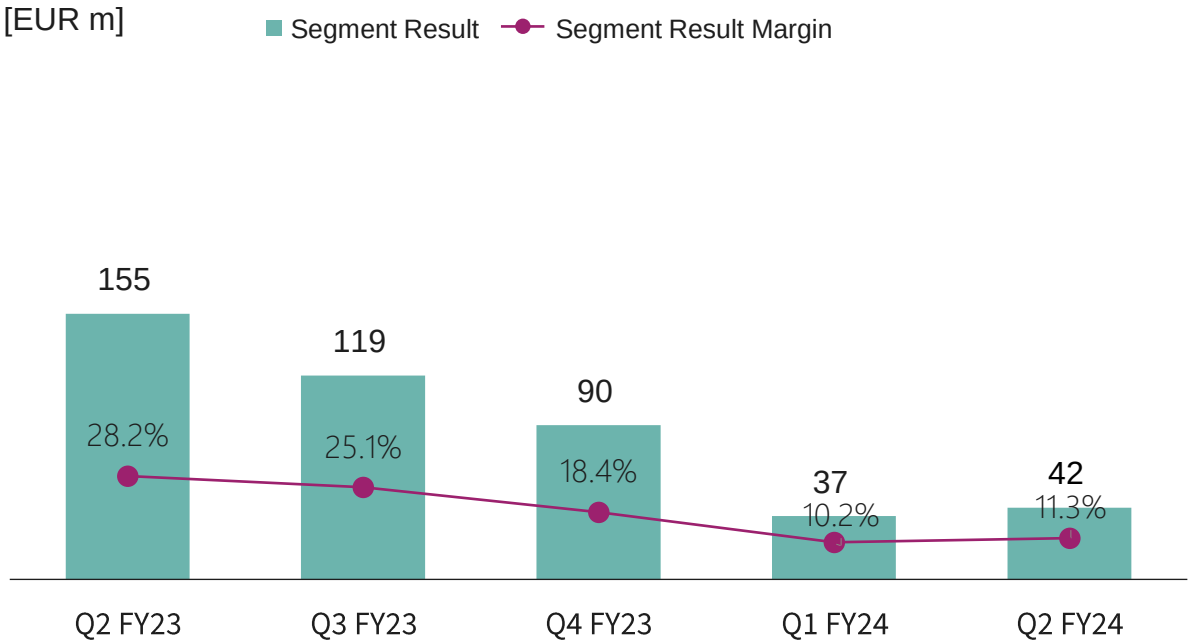
Connected Secure Systems creates the basis for IoT

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

Revenues



Segment Result



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Well-balanced customer portfolio

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

Distribution partners[1]

Arrow
Avnet
Future Electronics
intron 英恒
Jingchuan
Macnica
Marubun Since 1844
NEXTY Electronics
威健 WEIKENG
wpg

Top-10 direct customers[1]

Aptiv
Bosch
Continental
Delta
Denso
Hyundai Motor Group
Siemens
Valeo
vitesco Technologies
ZF

EMS-Partner[1]

flex
Jabil



[1] in alphabetical order

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

Automotive

APTIV · Astemo · BorgWarner · BOSCH · BYD · Continental · DENSO · FORVIA · HYUNDAI MOTOR GROUP · KEBODA · Mando · MAGNA · Valeo · veoneer · vitesco TECHNOLOGIES · ZF

Green Industrial Power

ABB · Alpitronic · ALSTOM · Bloomenergy · 中国中车 CRRC · GOLDWIND · INOVANCE · LG · Midea · OMRON · Rockwell Automation · Schneider Electric · SEMIKRON DANFOSS · SIEMENS · SMA · SUNGROW · Vestas · YASKAWA

Power & Sensor Systems

amazon · CISCO · DELL · DELTA · ERICSSON · ENPHASE · Google · hp · LITEON · Makita · Panasonic · SAMSUNG · solaredge · ZTE

Connected Secure Systems

amazon · arlo · cpi card group · fitbit · GPO · Haier · HARMAN · hp · IDEMIA · Midea · PERFECT Plastic · Raspberry Pi · SAMSUNG · SONY · THALES

EMS-Partners

flex · JABIL

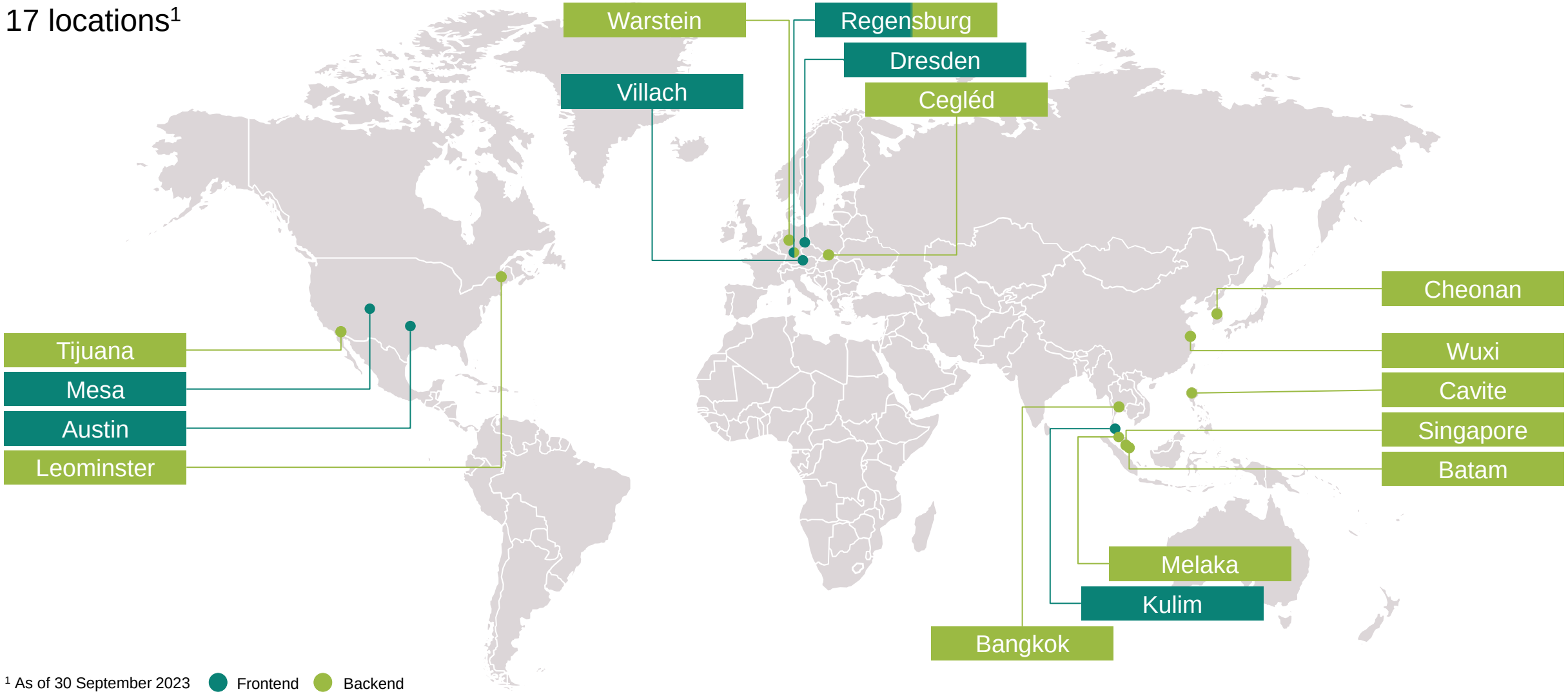
Distribution partners

ARROW · AVNET · FUTURE ELECTRONICS · intron 英恒 · Jingchuan · MACNICA · Marubun · NEXTY Electronics · 威健 WEIKENG · wpg

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

17 locations[1]



[1] As of 30 September 2023 Frontend Backend

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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[1] sites in 25 countries and regions:

Americas	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)
Asia Pacific	Bangalore (India); Batam (Indonesia); Cheonan and Seoul (both Korea); Ipoh, Kulim, Melaka and Penang (all Malaysia); Muntinlupa (Philippines); Singapore (Singapore); Nonthaburi (Thailand)
Greater China	Chengdu, Shanghai, Shenzen, Wuxi and Xi'an (all Mainland China); Hsinchu and Taipei (both Taiwan)
Japan	Nagoya, Sendai, Tokyo (all Japan)
Europe	Graz, Klagenfurt, Linz and Villach (all Austria); Herlev (Denmark); Le Puy-Sainte-Réparade (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); Nijmengen (Netherlands); Brasov, Bucharest and Iasi (all Romania); Belgrad (Serbia); Bristol and Redhill (both UK); Lviv (Ukraine)

[1] as of 30 September 2023.

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Responsible action, sustainable profitable growth

Infineon ranks among the 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[1]. Emissions are to be cut by 70 percent over the 2019 calendar year[2] levels by 2025
- External evaluation of the commitment:
  - MSCI ESG Research rates Infineon with AA for the fifth consecutive year
  - Included in the Dow Jones Sustainability Index family for the 14th year in a row
  - Awarded Gold status for six years in a row and in 2023 for the second time Platinum status by EcoVadis



[1] In terms of Infineon's direct and indirect energy- and heat-related emissions (Scope 1 and 2). | [2] Including Cypress.
For further information: Infineon Sustainability Report

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Infineon is committed to binding CO_2 reduction targets

1 | Carbon neutrality[1] by 2030 – primarily by avoiding emissions

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

[1] Carbon neutrality is defined in terms of Scope 1 and Scope 2 emissions.

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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_2 savings during their lifetime of around 117 million tons of CO_2 equivalents. Compared with the European electricity mix, this is around 12.5 percent of the annual net electricity production of the European Union.



CO_2 burden[1]

of 3.4 million tons
CO_2 equivalents

Ratio around 1:34



CO_2 savings[2]

of 116.6 million tons
CO_2 equivalents

Net ecological benefit: CO_2 emissions reduction of more than 113 million tons

[1] 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.
[2] 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_2 savings are calculated based on the potential savings generated by technologies in which semiconductors are used. The CO_2 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.

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Infineon's employees create a better future together

At Infineon, 58,600[1] 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

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 auto-motive 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."

[1] As of 30 September 2023.

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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



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Business Continuity: Integrated management

Business Continuity

ISO 14001[1]
ISO 45001[1]
ISO 22301[2]
ISO 50001[3]

Real estate and facility management	Environmental protection, sustainability and climate protection	Business Continuity Planning
Asset protection	Cyber and Information Security[4]	Security and crisis management
Corporate Social Responsibility	Data Protection and Privacy	Export compliance

[1] ISO 14001/45001 worldwide certification scheme. | [2] ISO 22301 certified in Dresden, Regensburg (Germany) and Villach (Austria).
[3] ISO 50001 certified at largest European manufacturing sites and corporate headquarters Campeon (Germany). | [4] Different certifications (e.g. TISAX).

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