



Infineon at a glance

Fiscal year 2024

www.infineon.com



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.

Decarbonization

The world must reduce carbon emissions and use energy much more efficiently to secure quality of life for future generations.

With our power system solutions, we are a key enabler in the move to harness renewable energy resources and deliver energy-efficient solutions along the entire electrical energy chain.

Together with our customers and partners, we make more out of less to actively shape a greener future.

Digitalization

Digital transformation is changing the way we live, work, produce, and consume.

With our smart IoT devices and systems solutions, we link the real and the digital world, and play a key role in unleashing the full potential of digitalization.

Together with our customers and partners, we make the world smarter so we can all look forward to a better tomorrow.

Our Growth areas

Energy, mobility, and IoT

Energy – green and efficient

Rising demand for energy, depleted natural resources, and climate change call for more efficient ways of generating, transmitting, storing, and consuming energy.

Our semiconductor solutions allow energy to be created and used more efficiently.

We play a major role in the journey towards a net zero world.

We make green energy happen.

Mobility – clean and safe

Today, we are facing a new era of mobility with rising expectations around electrification, automation, convenience, and reliable connectivity.

Our semiconductor solutions drive the transformation towards clean, safe, and smart mobility services across all means of transport.

We shape the future of mobility.

IoT – smart and secure

As the digital transformation advances, demand for intuitive, secure, and smart ‘things’ is rising across everything from buildings and homes to factories and cities.

Our semiconductor solutions make connected ‘things’ context-aware, intelligent, energy-efficient, and secure.

We make IoT work.

Infiniteon's business segments and target applications

Automotive (ATV)

The ATV division is shaping the future of mobility by enabling clean, safe, and smart cars. Our product and solution offering is powering the decarbonization and digitalization of vehicles, while our deep system understanding and know-how in dependable electronics are helping to reduce system complexity. By driving the transition to all kinds of hybrid and pure electric vehicles, we are making a valuable contribution to cleaner roads. We are increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as we take automated driving to the next stage with higher levels of computation performance, connectivity, security, and safety. Supporting the transition towards electrical/electronic (E/E) vehicle architectures and thus to software-defined vehicles, we are pushing the boundaries of edge artificial intelligence (AI). Our technology portfolio includes sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon (Si), silicon carbide (SiC), and gallium nitride (GaN), as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.

Green Industrial Power (GIP)

The GIP division is driving the global energy transition towards a more electrified and sustainable future. Spanning everything from generation through transmission to storage and consumption, we strive to make the entire energy chain smarter and more efficient. Main target applications range from renewable energy generation, power infrastructure, and transportation to automation and drives, heating, ventilation, air conditioning (HVAC), and home appliances. Our product portfolio encompasses IGBT and silicon carbide (SiC) power transistors as well as the driver ICs that control them. Our growing analytics, service, and software offering complements this wide spectrum – reaching beyond products to create additional value for customers. Infineon is the world leader in power semiconductors with the broadest SiC portfolio for industrial applications. Our solutions handle energy more intelligently and efficiently – driving decarbonization for a better tomorrow.

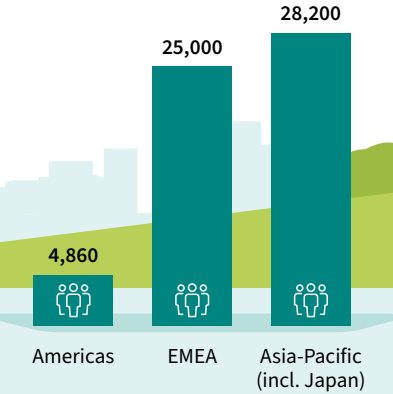
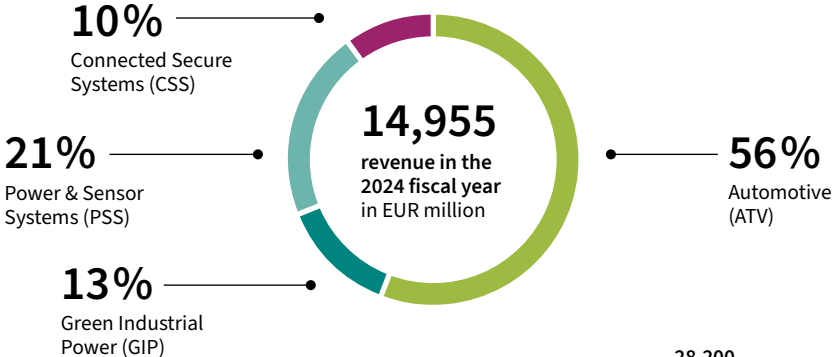
Power & Sensor Systems (PSS)

The PSS division powers Infineon's decarbonization and digitalization vision with a wide range of energy-efficient and digital solutions. Our Si-, SiC- and GaN-based semiconductors help avoid carbon emissions, use resources sustainably, manage power effectively and intelligently, give 'things' smart senses, and process data quickly and reliably. Our portfolio includes power, connectivity, RF, and sensor system technologies to develop smaller, lighter, smarter, and more efficient solutions for data centers, consumer and charging devices, smart home/building applications, robotics, solar systems, and more. Highly precise sensor solutions are enabling IoT devices to react intuitively to their surroundings for seamless user interactions. The next generation of silicon and wide-bandgap (i.e. SiC- and GaN-based) solutions is bringing unparalleled performance and reliability to power AI, consumer, and renewable energy applications. These materials are paving the way for further energy and carbon savings.

Connected Secure Systems (CSS)

The CSS division is at the core of the IoT and edge AI, offering microcontroller, connectivity (Wi-Fi, Bluetooth®/Bluetooth® Low Energy, and ultra-wideband (UWB) technologies), security, and AI/ML solutions. By combining hardware and software, we are addressing the needs of a diverse customer base with easy-to-use, trusted, and scalable systems. Our portfolio serves a broad range of applications, including industrial, smart home, automotive, health and lifestyle, home appliances, media and gaming, payment, and ID. Driven by the vision of a sustainable future, we are constantly optimizing the energy efficiency of our products, making use of sustainable materials, reducing our carbon footprint, and offering solutions to drive trends like the circular economy. We are proud that our technology drives innovation for society today, while paving the way to a green, trusted, and digital tomorrow.

Facts and figures



58,060
employees worldwide
as of 30 September 2024



Market shares

#1 in security ICS¹

24.7% market share

#1 in automotive semiconductors²

13.7% market share

#1 in MEMS microphones die suppliers³

47.1% market share

#2 in the total market for micro-controller⁴

17.8% market share

#1 in power discretes and modules⁵

20.8% market share

1 Source: Distributed with permission of ABI Research – Source: ABI Research Custom: Secure IC Revenues by Manufacturer (excluding NFC), September 2024.

2 Source: TechInsights: Automotive Semiconductor Vendor 2023 Market Shares, April 2024.

3 Source: Based on or includes research from Omdia: MEMS Microphone Report – 2024 Database, October 2024, | MEMS Microphone Die Suppliers.

4 Source: Based on or includes research from Omdia: Annual 2001-2023 Semiconductor Market Share Competitive Landscaping Tool – 2Q24, August 2024.

5 Source: Based on or includes research from Omdia: Power Semiconductor Market Share Database – 2023, October 2024.

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

Sustainability

In line with the UN's position, we see sustainability as “meeting the needs of the present without compromising the ability of future generations to meet their own needs”. Consequently, our Corporate Social Responsibility (CSR) concept covers the following areas:

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

Environmental sustainability and climate protection: We have set ourselves the target of becoming carbon-neutral by 2030. We focus on avoiding direct emissions, increasing energy efficiency, and switching to 100 % green electricity by 2025. Our ISO-certified IMPRES Program for Environment, Energy, Safety & Health covering our largest EU production facilities and our headquarters supports continuous process improvements (including water and waste recycling).

Corporate citizenship: Our corporate citizenship activities are centered on engagement projects benefitting the communities in which we operate, focusing on Environmental Sustainability,

Education, Local Needs, and Natural and Humanitarian Disasters.

CSR in the supply chain: Our suppliers have to comply with our Business Conduct Guidelines and our Supplier Code of Conduct.

Occupational health and safety: Our Occupational Health and Safety Management System is certified to the ISO 45001 standard.

Human resources management: Our employees are the focus of our actions. We want to attract and retain the best talent available. Diversity & inclusion are hardwired into our corporate culture. We work to create an integrative working environment offering equal opportunities where everyone can make a contribution.

Human rights: Respect for human rights and the promotion of fair working conditions are key priorities for us. The Infineon Human Rights Policy details how we promote human rights in our activities and with our partners worldwide.

Infineon is listed in major sustainability indices. For further information, visit: www.infineon.com/sustainability

Carbon footprint



CO₂ burden
2.9 million⁶
tons of CO₂ equivalents

Ratio around 1 : 45

CO₂ savings
130.3 million⁷
tons of CO₂ equivalents

Net ecological benefit: CO₂ emissions reduction of more than 127 million tons

In various areas of application (automotive electronics, industrial drives, photovoltaics as well as wind energy), our products can achieve CO₂ savings during their lifetime of around 130 million tons of CO₂ equivalents. Compared with the European electricity mix, this is around 17.6 percent of the annual net electricity production of the European Union.

⁶ 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 2024 fiscal year.

⁷ This figure is based on internally established criteria, which are described in the explanatory notes. The figure relates to the 2023 calendar year and takes into account the following application areas: automotive electronics, industrial drives, photovoltaics as well as wind energy. 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.

Experience Infineon in motion



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