

Infineon at a glance 2022

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.

Growth areas

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.

Infineon’s business segments and target applications

Automotive (ATV)
The ATV division is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety. The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, 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 delivers leading semiconductor solutions for the smart, green, and efficient conversion of electrical energy, covering all steps in the energy chain from generation through transmission to storage and consumption. Its broad range of applications spans renewable energies, electric vehicle charging, industrial power supplies, trains, electric commercial vehicles, and home appliances.
The GIP product portfolio encompasses IGBT power transistors and the driver ICs that control them, flanked by an expanding lineup of solutions based on SiC. Its growing analytics, service, and software offering complements this wide spectrum – reaching beyond products to create additional value for customers. Infineon is the global number one in power semiconductors and – with the broadest portfolio of SiC solutions for industrial applications – GIP is leading the transition to wide-bandgap technologies. GIP solutions handle energy more intelligently and efficiently – driving decarbonization for a better tomorrow.

Power & Sensor Systems (PSS)

The PSS division powers decarbonization and digitalization with a wide range of energy-efficient and digital solutions. PSS semiconductors help avoid carbon emissions, use resources sustainably, manage power effectively and intelligently, give 'things' smart senses, and process data quickly and reliably. The portfolio includes power, connectivity, RF, and sensor system technologies to develop smaller, lighter, smarter, and more efficient solutions for consumer devices, smart home/building applications, robotics, computing and data centers, charging devices, power tools, and much more. The next generation of silicon and wide-bandgap (SiC and GaN) solutions provides unparalleled performance and reliability for 5G, big data, and renewable energy applications. These materials are paving the way for further energy and carbon savings. Highly precise XENSIV™ sensor solutions are enabling IoT devices to react intuitively to their surroundings for seamless user interactions while audio amplifiers bring exceptional sound experiences to smart speakers and other audio use cases.

Connected Secure Systems (CSS)

The CSS division is driving robust connections, reliable computing, and seamless security for a digitalized, decarbonized world.

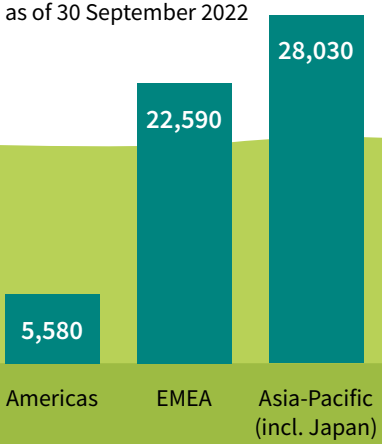
Enabling secured consumer and industrial IoT systems, as well as smart, trusted transactions, we focus on hardware- and software-based technologies with an innovative portfolio spanning low-power microcontrollers, Wi-Fi and Bluetooth®/Bluetooth® Low Energy technologies, combined connectivity (combo) solutions, and security solutions.

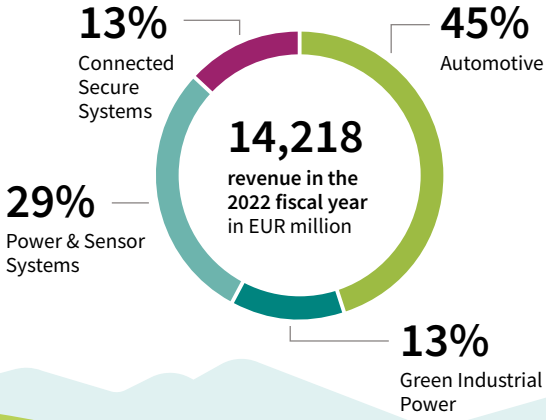
Our products and solutions cover a broad application spectrum including consumer electronics, IoT devices, cloud security, IT equipment, home appliances, connected cars, credit and debit cards, future payments, electronic passports, ID cards, and more.

In close alignment with our ecosystem partners, we create standard-setting solutions that inspire lasting trust among customers.

Facts and figures

56,200
employees worldwide
as of 30 September 2022







Market shares

19.7%

Industrial electronics

Number 1 in the total market for discrete power semiconductors and modules 19 years in a row[3]

12.6%

Number 5 in the total market for microcontrollers[2]

12.4%

Automotive electronics

Number 1 in automotive semiconductors[1]



45.0%

Sensor technology

Number 1 in MEMS microphones die suppliers[4]

25.8%

Security

Number 1 in security ICs (Excluding NFC controllers and embedded secure elements)[5]

1 Source: Strategy Analytics: Automotive Semiconductor Vendor Market Shares. March 2023.
2 Source: Based on or includes research from Omdia: Annual 2001-2022 Semiconductor Market Share Competitive Landscaping Tool – 4Q22. March 2023.
3 Source: Based on or includes research from Omdia: Power Semiconductor Market Share Database – 2021 – Final V2. October 2022.
4 Source: Based on or includes research from Omdia: MEMS Microphone Report – 2022 Database. October 2022. | MEMS Microphones Die Suppliers.
5 Source: ABI Research: Secure Smart Card and Embedded Security IC Technologies. October 2022.
The information is not an endorsement of Infineon Technologies AG by Omdia. Any reliance on these results is at the third party's own risk.

Sustainability

At Infineon, our corporate social responsibility (CSR) strategy is based on the principles of the UN Global Compact, which we have been a member of since 2004. Our CSR strategy covers the following areas of activity:

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

Environmental sustainability and climate protection: Our Infineon Integrated Management Program for Environment, Energy, Safety and Health (IMPRES) is certified worldwide in accordance with environmental management system standard ISO 14001. At our largest European manufacturing sites and our corporate headquarters Campeon (Germany), our energy management system is also certified in accordance with the standard ISO 50001.

Corporate citizenship activities: At Infineon, our corporate citizenship activities are centered on social engagement projects that benefit the communities in which we operate.

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 in accordance with the standard ISO 45001.

Human resources management: Diversity & inclusion is strategically important to Infineon and is a permanent fixture in our corporate culture. We work to create an integrative working environment in which everyone can make their contribution, free of prejudice and with equal opportunities.

Human rights: The protection of human rights and the promotion of fair working conditions is a matter of course for us and forms the basis of our corporate culture.

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

Carbon footprint

3
million tons of CO_2 equivalents

100
million tons of CO_2 equivalents



CO_2 burden[6]	Ratio around 1:33	CO_2 savings[7]

Net ecological benefit: CO_2 emissions reduction of more than 97 million tons

Our products and solutions enable a net ecological benefit, equal to the average annual CO_2 emissions from electricity consumption of more than 179 million people living in Europe.[8]

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 2022 fiscal year.

7 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_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.

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

Experience Infineon in motion

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