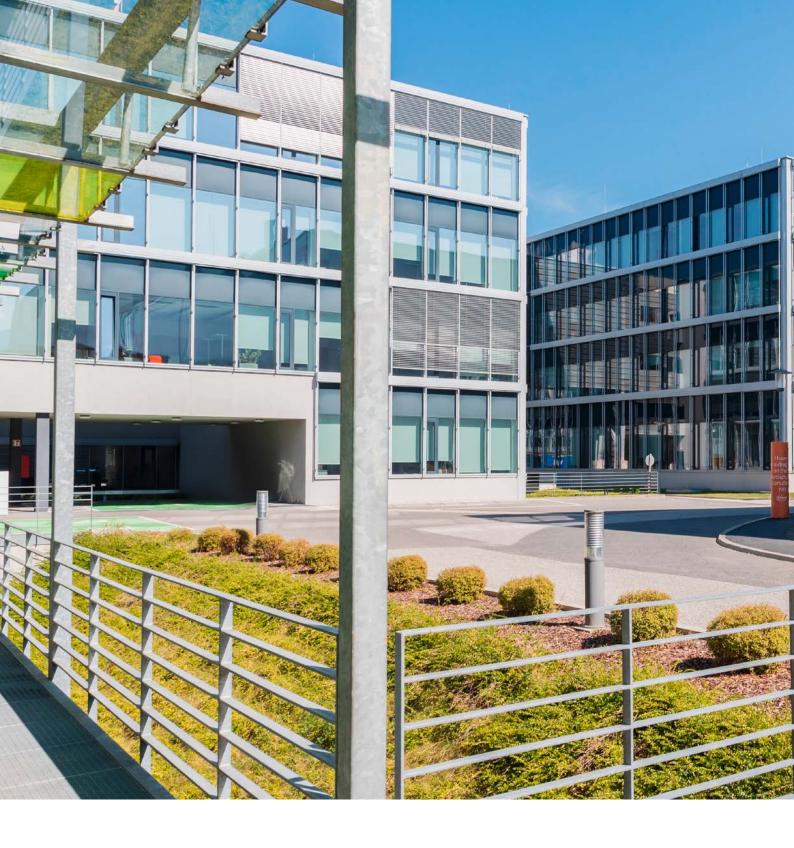


Decarbonization and digitalization

Updated Environmental Statement 2022 Infineon Technologies Austria, Villach site





Responsibility for today and tomorrow

"Easier, safer and greener" – this is the guideline that shapes Infineon's energy-efficient products as well as its corporate actions. For Infineon, sustainability means maintaining a balance between successful economic activities and caring for people and the environment – this shapes our corporate culture.

This updated Environmental Statement 2022 applies to the Villach site of Infineon Technologies Austria AG (IFAT). The reporting period covers the 2022 fiscal year – from 1 October 2021 to 30 September 2022.



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Since 1997, the Villach site of Infineon Technologies Austria AG has voluntarily had itself audited and certified annually according to the world's most demanding environmental management system, the EMAS Eco-Management and Audit Scheme. 5



The Board of Infineon Technologies Austria AG:
Sabine Herlitschka, CEO and Technology Director (area of responsibility:
Research & Development, Human Resources, Communications)
Oliver Heinrich (right), CFO (area of responsibility: Finance, IT, Purchasing, business responsibility for product lines, Business Continuity and Compliance)
Thomas Reisinger (left), Operations Director (area of responsibility: Production, Technology, Quality Management, Infrastructure and Logistics)

Preface

Decarbonization and digitalization

For Infineon, sustainability is more than just complying with regulations and legal requirements. Economy, ecology and social commitment have always been firmly embedded in our corporate culture. With our guidelines on the environment, social aspects and value-creating corporate governance, we take measures that go far beyond the legal requirements. There are good reasons why our processes today are much more resource efficient than the global average in the semiconductor industry. For 13 years in a row, Infineon has been listed in the Dow Jones Sustainability Index as one of the world's most sustainable companies.

With our products, processes and responsible actions, we want to help shape a sustainable world – today and tomorrow. Because decarbonization and digitalization will be the drivers of change in our world in the years ahead.

As one of the world's leading semiconductor companies, the Infineon Group plays a key role in shaping a bright future. Infineon semiconductors allow for environmentally friendly mobility, efficient energy management and secure communication in an increasingly connected world. Semiconductors are a critical lever to help us overcome the greatest challenges and turn them into opportunities. With power electronics and energy-saving chips from Infineon Austria, we are making a very concrete contribu-

tion to finding a solution. We are investing in cutting-edge technologies and state-of-the-art semiconductor manufacturing systems, strengthening our research and development efforts, focusing on new, even more energy-efficient semiconductor materials, and continuously developing our processes and infrastructure for sustainability. Our employees make a valuable contribution to all of these activities.

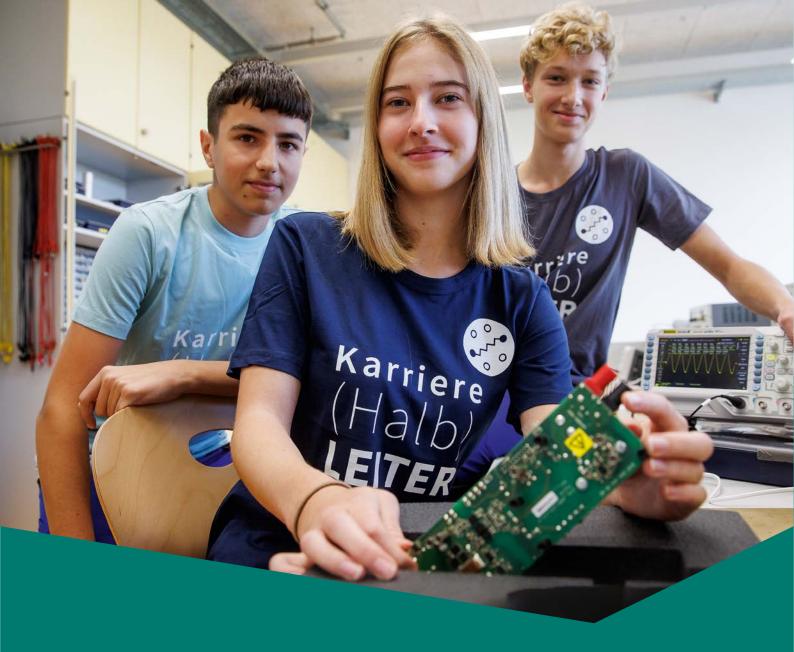
And we don't stop there. External assessments document our progress, but also show where we still need – and want – to improve. In this Environmental Statement, we invite you to learn more about the measures we have taken, what we have achieved so far, and what we still plan to do.

Sabine Herlitschka Oliver Heinrich Thomas Reisinger

dealstable Effaire? MA

"We connect the real world with the digital world and contribute to making life easier, safer and greener – with technology that achieves more, consumes less, and is accessible to everyone."

__see Glossary, page 62



HIGHLIGHTS

Projects and contributions that keep us moving

As the largest private employer in Carinthia and a leading digital company in Austria, responsible development in terms of corporate social responsibility is a high priority for our company, the region and society as a whole.

We would like to take this opportunity to shine a spotlight on a few projects and contributions that stand out.

Investments with added value



Decarbonization and digitalization

Infineon <u>semiconductor</u> solutions contribute to the digitalization and decarbonization of many applications. They improve energy efficiency by efficiently converting and transmitting energy, minimizing energy losses, and increasing device and application performance. With Villach focusing on power electronics, also known as "energy-saving chips", concrete solutions are at hand to achieve climate and energy goals.

A strong site

Since its foundation in 1970, Infineon Austria in Villach has grown from an extended workbench with 24 employees to a leading digital company in Austria with more than 5,500 skilled employees. Innovation and execution capabilities have been and continue to be the major driving forces behind this development. The new high-tech chip factory went into operation

in 2021 and will be continuously ramped up over the next three years. This €1.6 billion investment will enable Infineon to better meet the global demand for energy-saving chips. The "learning factory" relies on full automation and digitalization and increases resource and energy efficiency.



_see Glossary, page 62



R&D competence in Austria

- Infineon Austria: Competencies for research & development, manufacturing and business responsibility for 12 product lines
- Villach: global competence centers for power electronics and new semiconductor materials
- Graz: Competence center for contactless technologies
- Linz: Competence center for high-frequency technologies

High-tech jobs in Austria

Infineon Austria continuously invests in sustainable growth and high-tech jobs. More than 3000 new positions have been created since 2008. One job at Infineon creates three more in the region.* The expansions at Infineon will create 1,260 new high-tech jobs in Austria in the medium term.

* Value creation study by Industriewissenschaftliches Institut-IWI 2018



Around 2,400 R&D employees



363 Initial patent applications

Cutting-edge research

With research expenses of €585 million, Infineon is one of Austria's most research-focused companies.*

* According to "trend" magazine's company ranking 2022

Green hydrogen

An integral part of the new chip factory is the local generation of green hydrogen, which is used as a process medium in chip production. From mid-2023 onwards, hydrogen will be produced locally in Villach from renewable energy sources, eliminating the need for truck deliveries. The electrolysis plant required for this is being built in a cooperative effort involving industry and science and can produce up to 800 kg of green hydrogen per day. In line with the concept of intelligent closed loop recycling, the hydrogen is to be used to power public buses after being used in the chip factory.





Investing in sustainability

- The Villach site is also investing in sustainability by expanding capacity at the new chip factory and developing new semiconductor materials
- Installation of state-of-the-art exhaust air purification systems for effective emission prevention
- Use of state-of-the-art cooling technology with the latest refrigerants
- Use of intelligent air conditioning and heat recovery systems for site supply, thereby eliminating the emission of approximately 20,000 tons of CO₂/year* (extrapolated)
- * according to subsidy notice KPC (Kommunalkredit Public Consulting) Supported by funds from the Ministry of Climate Protection's environmental promotion program.

Site infrastructure & mobility

- The City of Villach built the Infineonstraße with roundabouts and environmental protection measures such as tunnels for small animals
- State-of-the-art plant fire department at Infineon's Villach site
- 110/20 kV building for safe power supply
- Parking garage with space-efficient floors
- Since 2016: Infineon mobility program "Green Way" (see "Environment and climate")

Our contribution to the environment and climate

Resource-efficient manufacturing

Villach is a global pioneer in the high-volume production of <u>power semiconductors</u> on 300 mm thin wafers. They are as thin as 40 micrometers (0.04 millimeters) and convert energy even more efficiently. Meanwhile, their diameter is 50 percent larger than that of a 200 mm wafer. This enables the production of approximately 2.25 times more chips per wafer, which, combined with the use of advanced equipment systems, reduces resource consumption.

Verified sustainability

- Since 2010, Infineon has been listed in the Dow Jones
 Sustainability Index as one of the world's most sustainable companies
- Since 1997, the Villach site has voluntarily participated in the European Union's <u>EMAS</u> (Eco Management and Audit Scheme)
- Infineon IMPRES program:
 - Environmental management ISO 14001:2015
 - Occupational safety management ISO 45001:2018
 - Energy management ISO 50001:2018

CO₂ neutrality by 2030

This goal applies to the entire Infineon Group and is to be achieved through the following approaches (see also pages 33 and 53):

- Avoidance of direct greenhouse gas emissions and further reduction of energy consumption
- Use of green electricity with guarantee of origin (already implemented at Villach site)
- Offsetting the smallest part through certificates that combine development aid with the avoidance of CO₂ emissions

For the Infineon Group, less is more



-53 %

less electricity

-30 %



-69 % less waste

per square centimeter of processed <u>wafer</u> area compared to the World Semiconductor Council global average for front-end production.

The figures have been audited by KPMG and relate to the fiscal year 2021/22.



Industry 4.0 and energy efficiency

Energy efficiency measures have been in place at the Villach site since 2009. Digital networking of plants, processes and systems creates a self-learning factory that reduces energy consumption, increases efficiency and quality, and optimizes the use of resources. Buildings and infrastructure systems are continuously being equipped with smart sensors, control devices and smart meters to precisely match energy consumption to production capacity utilization. Energy-saving LED lighting as well as intelligent heat recovery contribute to energy efficiency and the conservation of resources.



IT recycling and upcycling

Since 2014, a cooperation has been in place with AfB "Arbeit für Menschen mit Behinderung" (www.afb-group.at) to give used IT equipment a second life.

In 2022, Infineon provided 3,629 IT devices (laptops, PCs, screens, printers) and mobile devices, securing three jobs for people with disabilities. A total of 81 % was recycled and marketed through a certified process. The results in terms of resource conservation show a savings potential* of:

- Raw material savings: approx. 174 tons iron equivalent
- Energy: approx. 1.8 GWh
- Greenhouse gas emissions: approx. 463 tons CO₂ equivalents
- * based on a study by the Technical University of Berlin and the non-profit climate protection organization myclimate



Approximately 65 % of the site's heat requirements are met by intelligently recycling the exhaust heat generated by the existing and new chip factory (see page 31)

Infineon "Green Way"

Corporate mobility program for employees involving:

- Promotion of the needs of our cyclists
 (e.g. expansion of the bicycle infrastructure, parking spaces, expansion of the bicycle path network)
- Expansion of the e-charging infrastructure for private vehicles, company cars and logistics vehicles
- <u>Climate ticket</u> free public transportation to work, even for private trips



63 GWh of heat and electricity saved since 2013 by implementing energy-saving measures. This corresponds roughly to the electricity consumption of 13,300 households.*

* according to consumption data from the Federal Environmental Agency



100 % Green electricity with guarantee of origin Since 2013, Infineon
Austria has been exclusively using electricity from renewable sources.

Nature conservation

By cooperating with ARGE Naturschutz, Infineon supports the protection of the <u>environment</u> and the ecosystem. As part of voluntary reforestation initiatives in the region, 1,650 biologically diverse trees have been planted on an area of 1.1 hectares. This creates habitat and provides visual and noise protection. The Infineon team also demonstrated its commitment by participating in voluntary activities such as helping small animals to migrate or creating nesting places for birds and bats. In addition, as part of the site expansion, 25,000 m² of high quality reforestation was implemented in coordination with the forestry inspectorate.

__see Glossary, page 62

Our contribution to our region and society

Welcome2Villach

Infineon's approximately 5,500 employees come from 79 different countries. They shape Infineon's culture as well as the region. Today, Villach has the highest proportion of high-tech employees in Austria. As part of the regional cooperation between industry and tourism, Infineon has co-founded the platform Welcome2Villach. at. The goal is to promote the quality of Villach as a great place to live, work and do business, especially for international specialists.

Promoting talents

Through initiatives such as "Girls Day" and the "Women in Data Science Conference", Infineon motivates young people to pursue careers in science and technology. Since 2014, more than 83,000 children, teenagers and students throughout Austria have been reached. In 2022, Infineon partnered with ORF to launch the first "Women's Award for Digitalization and Innovation" to honor outstanding female talents in the fields of technology and science.







Value added

€ 1,171 million: Infineon's total purchasing volume in 2022, of which € 324 million in Austria and € 207 million in Carinthia.

Education fund with Caritas

Infineon supported the Caritas education fund with €78,000 in 2022. The Caritas Learning Cafes in Villach, Spittal/Drau and Graz offer free educational support to around 130 children and young people. Infineon employees are actively involved in supporting the young learners.

Ongoing dialog with the region

The Infineon newsletter is sent to about 3,500 households in our neighborhood three times a year, providing them with up-to-date information. In addition, we offer guided tours of the site for interested local residents.

www.infineon.com/nachhaltig-austria

Help in emergency situations

During the storm disaster in the Villach region in the summer of 2022, quick and immediate assistance was provided. Infineon supported the reconstruction efforts with a donation of \in 50,000 to the affected communities.

Knowledge and technology transfer

- Infineon Austria supports four endowed professorships in Austria and one academic partnership.
- PhD Excellence Program: Support and funding for 112 doctoral theses in 2022.
- With the "Ihub", Infineon offers an innovation space for science and business at the Vienna University of Technology.
- With the Startup Co-Innovation Program, Infineon actively networks with the startup and maker scene through events and collaborations.
- 156 Research collaborations at regional, national and international levels.

Regionally sourced

The company's canteen also focuses on sustainability: About 80 percent of the food is purchased locally and seasonally, and the investment in state-of-the-art commercial kitchen appliances improves energy efficiency.

"Smart Learning" makes you fit for the future

Since 2019, the "Smart Learning" initiative has been up and running at five polytechnic colleges in Carinthia. In 2022, the program was expanded to another polytechnic college in Graz and one in Linz. The goal: to integrate the latest technologies and real-world know-how with digital and analog learning and teaching in schools and colleges. With e-mobility, the Internet of Things, energy technology, Industry 4.0, robotics and systems engineering, Infineon not only covers "cool" topics, but also those that will shape our future. This creates a learning environment that prepares students for the future, both professionally and personally.



Our contribution as a company for employees

It's all about people!

Infineon offers an attractive working environment. This includes flexible working-time models, teleworking options, in-service training and further education, mentoring programs as well as a comprehensive health promotion program or support in settling down.



Approximately 30 percent international employees

Internationality, generational management and commitment to women in technology – Infineon harnesses the potential of diversity!

Apprenticeship and integration

Infineon has trained more than 600 apprentices to become skilled workers. Currently, 90 young people are completing an apprenticeship; around a quarter of them are young women. In 2016, Infineon launched the "Lehre mit Asyl" ("Apprenticeship with Asylum") project to promote integration and counteract the shortage of skilled workers. Thirteen apprentices are currently completing their apprenticeship under this model – eight apprentices who had been granted asylum have already completed it.

"berufundfamilie" (career and family) audit

The federal quality seal and the regular inspections confirm Infineon's path as a family-friendly company.





Combining career and family

- At the International Daycare Center (IDC) in Villach,
 Infineon cooperates with Sonnenstrahl GmbH to
 offer 200 daycare places for children aged one to six
 years at two locations. The special thing about them:
 few closed days, flexible and long opening hours,
 bilingualism and a focus on science experiments.
- Thanks to the initiation and support of the International School Carinthia (ISC) in Velden, more than 378 children from 42 nations can currently attend this private, English-language all-day school.



Information from the very first day

From their very first day on the job, employees receive information on occupational safety, health and environmental protection, energy and sustainability. Ongoing online training courses deepen their knowledge in these areas. The intranet and on-site information screens provide up-to-date information. The Environmental Statement is published on an annual basis in both print and online formats.



Safety first

- Corporate Disaster Prevention Organization (DPO)
- Plant fire department (PFD)
- Company medical service
- Ongoing training and safety-related training as well as targeted awareness raising

Promoting health

With "Health & Care", Infineon offers competent contact persons at all Infineon sites for questions regarding health as well as occupational and preventive medicine topics such as prevention, exercise, nutrition and physical health. At the Villach site, the Medical Service Center is managed by two physicians and two qualified health care professionals. The Health Team offers preventive health care, fitness classes and stress management and burnout prevention training. External psychological counseling – anonymous and free of charge – is also available.



Sustainable ideas

As part of the company suggestion theme "Your Idea Pays" (YIP), a total of 499 ideas were submitted in 2022 on the topics of health, occupational safety & environmental protection, as well as energy and e-mobility. In addition to the social and environmental impact, this also resulted in monetary savings of approximately €268,000.

_see Glossary, page 62



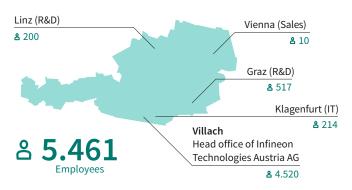
THE COMPANY

Infineon Technologies Austria

Infineon Technologies Austria AG is a subsidiary of Germany's Infineon Technologies AG. The group is a world leader in semiconductor solutions that make life easier, safer and greener. In Austria, research & development, manufacturing and global business responsibility come together in an effective combination that makes the site unique.

Our approximately 5,500 employees from 79 countries have established Infineon as a leading company in Austria. As the country's most research-focused company, Infineon Austria has been a pioneer for the digital revolution as well as for decarbonization.

Infineon sites in Austria



The Austrian head office is in Villach, further branches are located in Graz, Linz, Klagenfurt (IT) and Vienna (Sales). Research, production and global responsibility for twelve product lines from three divisions are located at the main site in Villach. At the Graz and Linz sites, the main focus is on research & development. Graz is the global competence center for contactless technologies, while Linz serves as the global competence center for high-frequency technologies.

Infineon at a glance

Facts and figures 2021/22

Infineon Technologies AG		<u>&</u> 1
Sales	€14.218 billion	+23.8%
Employees throughout the group	56,200	+11.7%
Infineon Technologies Austria Group		
Sales	€5.240 billion	+34%
Earnings before tax	€663 million	+84%
Total investments	€588 million	+27%
Total employees	5,461	+13%
Proportion of women overall	20.6%	+2.3%
Employees in R&D	2,387	+13.6%
Employees in product and process development and quality assurance	568	+7.9%
Additional permanent external employees via third companies	2,425	-1%
Degree candidates and doctoral students ²	201	+7.5%
Apprentices	91	+8.3%
Interns and vacation/industrial placements ²	1,269	+8.5%
Research and Development		
R&D Expenditure	€585 million	+13%
R&D Expenditure as a percentage of sales	11%	
Initial patent applications	363	+67%
Production		
Products (basic types)	approx. 2,000	0%
Production volume	9.4 billion chips	+8%
Audits and customer visits	41	+483%

¹ Compared to the fiscal year 2020/21.

__ see Glossary, page 62

² Aggregated values for the fiscal year 2021/22, as of September 30, 2022, including domestic shareholdings.

The guideline for sustainable growth

As a semiconductor company with global operations, Infineon works on technologies that achieve more, consume less and are accessible to everyone. Infineon wants to harness the opportunities offered by digitalization for a sustainable development of society: for efficient energy management, environmentally-friendly mobility, and safe operations in a networked world.

With its own "SMART Growth" strategy, Infineon Austria pursues the goals of contributing to the Group's success from Austria, being globally competitive, further developing the site and sustainably strengthening the region. The strategy of intelligent growth builds on technological strengths, as well as on innovation, creativity and the continuous pursuit of improvement.

By 2025, Infineon Austria will...

- ... have expanded its market leadership in power electronics through business success in the digital world.
- ... be the world's leading competence center for power electronics in the areas of silicon and new semiconductor materials.
- ... drive innovation forward by offering a growing, well-connected R&D and manufacturing environment.
- ... utilize digitalization for faster learning, agility and competitiveness.
- ... globally attract and develop the best talents.

Responsible sustainability

Infineon's sustainability strategy – Corporate Social Responsibility (CSR) – encompasses responsibility towards local and international communities and is based on the principle of sustainability – the combination of economy, ecology and social commitment. The measures are also defined and continuously expanded with regard to the fields of action outlined by the United Nations Sustainable Development Goals (SDGs). Together with the Infineon Group, our business model currently contributes to twelve of the 17 targets; Infineon Austria's strategy has focused separately on seven targets for the time being.

Infineon's CSR concept



A detailed list of all stakeholders can be found at: www.infineon.com/cms/en/about-infineon/sustainability/ csr-reporting/ > PDF Sustainability at Infineon, page 8

The Infineon Group's CSR concept is supported locally by Infineon Austria in the form of a CSR/Sustainability Board. For more far-reaching measures, the existing management system is used to embed them deeply into business operations, while sustainability issues that can be implemented quickly are initiated immediately on a cross-functional basis.

Did you know that...

...Infineon combines competencies for research and development, production and global business responsibility at the Villach site?



















The Infineon Site in Villach

At the Villach site, activities focus on the development and production of <u>power semiconductors</u>, so-called energy-saving chips. Power semiconductors play a key role in electronic devices. They convert mains power to the requirements of the respective device. In this area, Infineon is the world market leader. In order to ensure that it stays that way, the team is working on ever more powerful and energy-efficient chips.

Infineon Austria employs more than 4,739 people in Carinthia (of whom about 4,520 are employed at Villach). This makes the company the largest private employer in the region. Infineon took up operations in Austria in 1970. What began back then as an extended workbench with some 24 employees has developed into the headquarters in Austria and a strong competence center within the Group. Today, the site combines production, research & development as well as global business responsibility.

Infineon Austria Villach

- Global group competence center for power electronics since 1997
- Since 2017, global competence center for new semiconductor materials (silicon-carbide and gallium nitride)
- Since 2021 "One Virtual Fab" new chip factory in Villach as a virtual mega factory together with Dresden

Leading factory for innovative semiconductors

The Villach site serves as <u>front-end</u> production network, with partner factories in Germany and Malaysia. In the fiscal year 2022, around 9.4 billion power semiconductors were produced on silicon discs called <u>wafers</u> in Villach. The wafers are manufactured and tested in about 1,000 individual steps involving various technologies and complexities. In total, the <u>clean room</u> produces approximately 2,000 basic product types simultaneously with ultimate precision and highest quality, around the clock and 365 days a year. The high-volume manufacturing innovations focus on the areas of single-process technology, equipment engineering, new materials, thin wafers and

_ see Glossary, page 62

Did you know that...

...at Infineon, every single chip is comprehensively controlled throughout the entire manufacturing process and then fully tested? Excellent quality management ensures compliance with customer requirements as well as stringent standards, such as those in the automotive and medical industries.

state-of-the-art automation, digitalization and production concepts.

Thin wafer technology - global leadership

The expertise to produce 40-micrometer (0.04 millimeters) thin wafers with a diameter of 300 millimeters in high volumes is unique throughout the world. These particularly thin energy-saving chips ensure even more efficient energy conversion in electronic systems. At the same time, mass production is made much more productive and resource-efficient. Compared to a 200-millimeter wafer, more than twice as many chips can be efficiently produced in one production run.

Chip production expansion

The demand for semiconductors for all areas of life is on the rise worldwide. The high demand underscores the value of in-house manufacturing. Infineon invested with foresight early on and opened the new high-tech chip factory in 2021. With this, Infineon is setting an industrial policy landmark with regard to security of supply for European industry and the global market. The semiconductors produced here are used in numerous applications such as electric cars, computer centers or solar and wind energy. With its investments in energy efficiency, intelligent waste heat utilization, area-wide exhaust air purification systems and the dual use of hydrogen – both in production and for mobility – the site is making a major contribution to the Infineon Group's goal of achieving CO₂ neutrality by 2030.

Industry 4.0 and "One Virtual Fab"

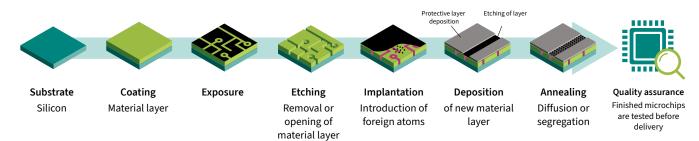
Infineon in Villach is a frontrunner in Industry 4.0 and is seizing the opportunity to optimize processes along the entire value chain – from development to production. Suppliers and other sites will be increasingly integrated into the overall process.

The new Villach innovation factory joins Infineon Dresden (Germany) to form an identical production environment with standardized production and digitalization concepts as "One Virtual Fab". Processes, operations and systems are networked to control manufacturing from both sites as if they were one single factory. The virtual megafactory is a new benchmark in 300-millimeter power semiconductor manufacturing and allows for further optimization of the environmental footprint through enhanced resource and energy efficiency.

Innovation Factory Villach (FY 22)

- Wafer diameters: 150, 200, 300 mm
- Wafer movements per day: approx. 600,000
- Individual steps for each wafer: approx. 1,000
- 1660 systems
- 9.4 billion chips produced (FY 2022)
- Approximately 2000 product types processed simultaneously

Semiconductor processing: schematic process steps Work steps repeated depending on chip







IMPRES

Our Environmental Management System

Infineon views sustainability as a combination of ecological, social and economic responsibilities. With its global management system IMPRES Infineon integrates the topics of environmental protection, occupational safety, health protection, and energy into all Group processes and aims to establish a uniform global standard that is continuously optimized.

IMPRES stands for "Infineon Integrated Management Program for Environment, Energy, Safety and Health" and was introduced in 2005.

This management program is based on the ISO standards ISO 14001 for environment, ISO 50001 for energy and ISO 45001 for workplace safety and health protection. These international standards are reviewed annually through both external and internal <u>audits</u> as part of a <u>matrix certification</u> process and confirm a uniform global standard.

The Austrian production site in Villach also participates voluntarily in EMAS, the Eco-Management and Audit Scheme of the European Union, and reports on its environmental aspects, environmental achievements and projects in the externally audited Environmental Statement published annually.

The IMPRES Policy

Below, you will find the guidelines from the current IMPRES policy that serve as the basis for our actions:

People and the environment

- We assess and consider possible consequences for humans and the <u>environment</u> at the earliest possible stage of product and process planning.
- We ensure that our corporate policy on environmental protection, energy management, occupational safety and health protection is implemented effectively. The technical and organizational procedures necessary for this purpose are checked regularly and improved continuously.
- We implement targeted measures to prevent risks to people and the environment or, if this is not possible, to minimize them as far as possible.
- We inform the interested public and support an open information policy.
- We require our business partners to follow our guidelines. We work together with authorities, associations and non-governmental organizations.

Energy and resources

- Through our everyday actions, innovations and products, we support a sustainable global society and enable the production of energy-efficient end products and applications.
- We use energy conscientiously and efficiently, and consume resources sparingly.
- We strive to maintain our leadership within our industry in terms of energy efficiency, now and into the future.
- We contribute to climate protection in several areas, e.g. by minimizing our greenhouse gas emissions.
- We support the use of renewable energies where technically possible and economically feasible.
- We support the use of energy-efficient products and services.
- Our customers benefit from product features such as high performance or low energy consumption.
- We reduce costs through integrated recycling processes and the reuse of materials as well as through motivated, committed and involved employees who work in a safe environment.

Economy

- We continuously work to create an ecological net benefit now and for the future, both in our products and solutions and through efficient processes and production methods.
- We prefer a forward-looking assessment of long-term effects to an orientation towards short-term benefits.
- We see no contradiction between productivity and cost efficiency on the one hand and the protection of people and the environment on the other.

Legal compliance

– Beyond complying with legal regulations and other requirements, we are continuously working on minimizing risks, effects on people and the environment, as well as energy and resource consumption.

see Glossary, page 62 23

Organization of the Environmental Management System

Along with the high environmental standards detailed in ISO 14001, the Austrian production site in Villach has also committed to the European Union's <u>EMAS environmental management</u> system (Eco Management and Audit Scheme). In addition to the sustainable use of resources, EMAS also strives to continuously improve environmental performance, taking sustainability aspects into account, and to report on this annually in the Environmental Statement.

The documentation of environmental protection, energy management, workplace safety and health protection at Infineon includes both the IMPRES manual and all IMPRES-relevant process descriptions, work instructions and other IMPRES-relevant documents, which are continuously updated. From an organizational point of view,

the head of the Environmental Protection and Workplace Safety Division, as local coordinator of the IMPRES integrated management system, sits directly under the Managing Director under trade law. In practice, they report directly to the Group's global ESH organization.

At the Villach site, the IMPRES management system is regularly reviewed via both internal and external audits. The management system is regularly evaluated as part of a management review, in order to continuously improve and analyze activities. For ongoing development in areas such as environmental protection and sustainability, an integrated management system like our IMPRES is essential. In addition, all employees are involved in this topic through environmental training and information on the intranet.

Compliance with Statutory Environmental Provisions

The company meets all applicable environmentally-relevant obligations. Specifically, these include:

- the legal provisions laid out in the 164 relevant laws, as well as 1438 resulting legal obligations or requirements currently in force,
- approximately 3,290 regulatory requirements resulting from official rulings, conditions and limit values associated with approvals and official orders,
- insurance law requirements
- other voluntary commitments (such as the goal of CO₂ neutrality).

Current statutory provisions relevant to workplace safety, health protection and environmental protection (including energy) are recorded in a legal directory. This also applies to voluntary commitments, requirements stipulated in official permits, etc. The legal directory as well as the measures resulting therefrom are reviewed on a regular basis and modified as necessary. This is done with proprietary software that can automatically extend the current status at any time. This type of reporting takes place not only as part of the annual management review, but also on an ongoing basis with the individual persons responsible.

Did you know that...

...for years, Infineon has been implementing voluntary measures and commitments that go far beyond the legal requirements?

Emergency Precautions and Emergency Management

As a <u>Seveso</u> facility, Infineon complies with the high legal standard of the Industrial Accidents Regulation and is subject to annual inspections by the authorities regarding this issue. We also monitor all of the key environment- and safety-related processes using process control technology as well as recurring measurements. This means that even minimal deviations from standard operation and other faults are detected at the earliest possible stage.

Emergency response system, alarm and hazard prevention plans

In addition to Infineon's plant fire department, our company medical service as well as shift workers and contingency personnel are available for any emergency. The plant fire department consists of four full-time employees and 138 volunteer members, distributed across eight firefighting teams, who are highly trained for any anticipated operational scenario. Four specially equipped vehicles are currently available. The fleet is being expanded to include a fire truck specifically designed to meet the site's operational needs. In the event of an incident, the response takes place in the shortest amount of time possible. The new fire station at the Villach site offers space for a modern control center, training and meeting rooms, men's and women's locker rooms, a mechanical workshop as well as a workshop for respiratory protection, five garage spaces for fire engines and various storage rooms.

In the event of serious damage incidents which cannot be rectified in the course of normal operations, the company's Disaster Response Organization (<u>DRO</u>) will be deployed. Specially-trained crisis management team leaders with managerial authority can be contacted via the Security Control Center (SCC) at any time and can immediately take over the management of a response operation. Furthermore, as a part of the DRO, a specially-trained chemical response team is available to respond to emergencies in the area of chemicals and gases.

The Medical Service Center is supported by 52 specially trained company paramedics and over 350 first responders at the Villach site, who are divided among the individual shift groups. In order to limit the impact that emergencies and accidents may cause off the premises, there are alarm and hazard prevention plans which are updated continuously, as well as regular training, education and exercises,

including with external emergency forces, to ensure that we are prepared for emergencies.

A summary of all essential emergency aspects and safety measures can be found at www.infineon.com/sicher-heit-austria

Corporate Disaster Prevention Organization

Infineon's Corporate Disaster Prevention Organization conducts regular drills and exercises as a precautionary measure. The goal is to use the exercises to strengthen experiential learning and thus confidence in dealing with incident situations. The DPO safety auditors are supported by approximately 60 employees. Members, as well as all other employees, can participate in approximately 40 different exercises and trainings per year, such as radio communication, respiratory protection, hall clearing or basic courses. In addition, several "table top" exercises are conducted for the DPO safety auditors. This involves running through various scenarios such as Seveso hazardous material spills, fires or safety issues. Some of these exercises are conducted in cooperation with external public safety partners such as the Red Cross, the police and the Villach fire department. The "table-top" exercises build confidence in dealing with crises and critical situations. Participants deepen their practical knowledge in their respective areas of competence and effectiveness, and practice what resources and coping strategies exactly are available in the event of an incident.



_see Glossary, page 62 25



FIGURES, DATA, FACTS

Environmental Aspects

Environmental aspects are those components of a company's activities and products that have or may have an impact on the environment. They are regularly analyzed and evaluated and are the focus of our environmental management system.

Infineon continuously evaluates the <u>environmental</u> <u>aspects</u> relevant to the site and updates this assessment on an annual basis.

We differentiate between

- direct, e.g. energy use, waste, waste water, exhaust air, and
- indirect environmental aspects, such as e.g. responsible procurement, which have an impact not only on the environment, but also on the social and economic effects of Villach as a production location.

Did you know that...

... digitizing cleaning systems can help us use electricity, hydrogen and natural gas even more efficiently? Demand-driven usage in these systems saves more than 20%.

Evaluation of Environmental Aspects

Infineon re-evaluates its environmental aspects at least once a year and updates its environmental focus accordingly.

Infineon's goal is to minimize the impact of the Villach site on the environment. This is done not only through targeted recycling and processing measures, but also by initiating individual small projects, conducting environmental training and raising awareness through environmental campaigns, including in the area of CSR.

Environmental aspects are assessed on the basis of a Group guideline that defines the categories of impact parameters.

Accordingly, we consider eight thematic blocks of environmental aspects:

- Energy consumption
- Air emissions
- Consumption of resources (e.g. chemicals and gases)
- Waste
- Land use and biodiversity
- Water consumption and waste water
- Release of energy (e.g. heat, radiation or noise)
- Transport (indirect environmental aspect)

In addition to environmental relevance, probability of occurrence, volume development and frequency, geographical impact and legal requirements are also considered in the assessment.



_see Glossary, page 62 27

The current assessment for the Villach production site was carried out by an interdisciplinary team including the Managing Director under trade law, the energy manager and experts in environmental protection.

The results are shown in the following table with the previous year's assessment provided for comparison:

Evaluation of Environmental A	Aspects	2020/21	2021/22	2022/23	<u>&</u>
Air emissions	Dust air pollutants	А	А	А	\rightarrow
	Organic air pollutants	В	В	В	\rightarrow
	Emissions of CMR substances	А	А	А	\rightarrow
	Greenhouse gas emissions	D	С	С	\rightarrow
	Inorganic air pollutants	А	А	А	\rightarrow
Water consumption	Direct discharge	В	С	С	\rightarrow
and waste water	Indirect discharge (municipal sewage)	С	D	D	\rightarrow
Land use	Soil contamination	А	А	А	\rightarrow
and biodiversity	Sealing of areas	С	В	В	\rightarrow
Release of energy	Heat	А	А	А	\rightarrow
	Radiation	А	Α	А	\rightarrow
	Noise	В	С	С	\rightarrow
	Light	В	В	В	\rightarrow
Energy consumption	Electrical energy	В	В	С	7
	Natural gas	А	А	В	7
	Diesel	А	Α	А	\rightarrow
	District heating	А	Α	А	\rightarrow
Consumption of resources	Raw materials	D	D	D	\rightarrow
	Chemicals	D	D	D	\rightarrow
	Gases	В	В	В	\rightarrow
Water consumption	Water consumption production (DI water)	С	А	А	\rightarrow
	Water consumption cooling (cooling water)	С	С	С	\rightarrow
Waste	Hazardous waste for recycling	В	В	С	7
	Hazardous waste for disposal	В	В	В	\rightarrow
	Non-hazardous waste for recycling	С	С	В	Я
	Non-hazardous waste for disposal	А	В	В	\rightarrow
Transport	Delivery and removal	В	В	В	\rightarrow
	Employee trips to and from work	Α	А	А	\rightarrow
	Internal transport	A	Α	А	\rightarrow
	Business trips	В	Α	Α	\rightarrow

The environmental aspects that are significant for Infineon Austria at the Villach site are C and D. Below, our significant environmental aspects are presented according to relevance:

Need for action: low	Α	В	С	D	high
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Changes in the assessment of environmental aspects compared to the previous year relate to the following aspects:

Energy consumption:

- The higher assessment of the consumption of electric energy is related to the focus on current socio-political events. Awareness of the need to save energy and the promotion of alternative energy sources have increased the priority given to this aspect compared to the previous year.
- The issue of natural gas is rated higher due to the geopolitical situation.

Waste generation:

- The assessment of hazardous waste for recycling was higher due to the increasing volume. The fractions of both aqueous concentrates and acids have increased sharply.
- The assessment of non-hazardous waste for disposal refers to the increase in thermal treatment with a simultaneous decrease in disposal (see page 37 et sec

Consumption of DI water (ultrapure water):

The low classification is due to the fact that the assessment is not primarily based on the quantity consumed, but on the low environmental impact. Ultrapure water is specially purified water, i.e. without the minerals (salts, ions) found in normal spring and tap water.

Did you know that...

...projects and ideas in the "Sustainability" category are given special consideration in the annual "Innovation Award" for all employees*? Each and every contribution counts.





Direct Environmental Aspects

Direct environmental aspects are those that we can control and influence directly and comprehensively. This includes emissions into the air and water, waste, and the consumption of resources. The environmental impacts of our products are regarded as indirect environmental impacts (from page 44).

ENVIRONMENTAL ASPECTS

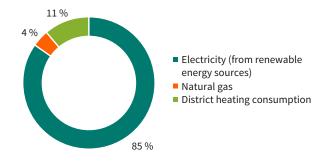
Energy consumption

Main indicators	Energy consumption [GWh], savings [GWh]
Most important measures	 Heat recovery of approx. 65 percent of the total amount of heat energy used Comprehensive energy reduction programs Additional compressor with heat recovery
Environmental impacts	${\rm CO_2}$ emissions and the associated impact on the climate crisis; indirect impacts due to the use of fossil fuels; operation of power generation plants.
Source	Cooling units with heat recovery, air compressors, heat pump

As a global player in the semiconductor industry, energy efficiency and energy savings are essential pillars of our corporate philosophy. This is also reflected in our energy management system, which is certified according to ISO 50001. The growing number of energy and material flows is systematically recorded and evaluated in order to optimally design and control individual processes. These measures and many other optimization activities allow us to improve our energy usage efficiency.

The manufacture of semiconductors uses primarily electrical energy. We have been purchasing electricity from renewable sources for this purpose since 2013. This energy is needed both to create a stable production environment with defined ambient conditions in the clean rooms and for the operation of the production facilities.

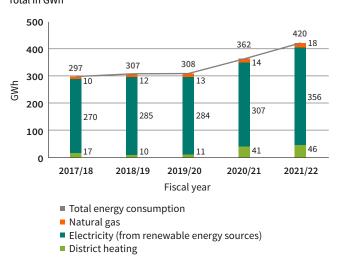
Breakdown of energy consumption at the Infineon Villach site 2021/22



Production, and in this context the clean room infrastructure, is responsible for the main part of energy consumption. The self-generated energy from photovoltaic systems for the electric vehicle charging station amounts to approximately 2.0 MWh per year.

The target for the fiscal year 2021/22 was not to exceed 292 GWh of electricity consumption while providing for growth at the site. With a total consumption of approximately 272 GWh from the existing facilities (Legacy Fab), this goal was met. However, as the new chip factory started ramping up in the past fiscal year, this additional electricity consumption of 84 GWh must also be taken into account.

Energy consumption at the Villach site Total in GWh



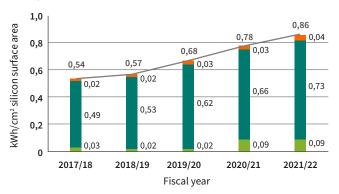
One reason for the increase in energy consumption over the past two years is the ramp-up of the new chip factory and the gradual adaptation and commissioning of the equipment. Another factor is the capacity expansion with highly complex processes for the new semiconductor materials. In the future, the site's energy efficiency will be continuously improved through digital networking and the adaptation of systems to production volumes. The consumption of district heating has been further optimized in recent years through the use of heat recovery systems. The heat recovery systems were able to utilize approxi-

mately 71 GWh (i.e. 65 percent) of the energy in the fiscal year 2022.

The share of district heating use has increased due to the central treatment and heating of ultrapure water for the new chip factory. Centralized ultrapure water treatment means a long-term improvement in operational efficiency.

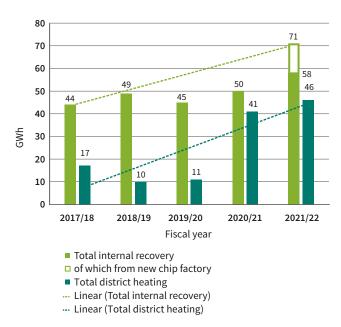
Energy consumption at the Villach site

in kWh/cm² silicon surface area



- Total energy consumption
- Natural gas
- Electricity (from renewable energy sources)
- District heating

Heat recovery through coolers, process water and air cooling in GWh, total as CO_2e



The amount of heat recovered from the existing production facility is 58 GWh, and the amount recovered from the new chip factory is 13 GWh. This results in an overall heat recovery efficiency of 65 percent (not including the heating of the ultra-pure water). 84 percent of the heat requirements for the existing production halls are covered by heat recovery systems.



ENVIRONMENTAL ASPECTS

Air emissions

Main indicators	Emission quantities and their parameters [mg/Nm³]
Most important	– Infineon CO ₂ neutrality strategy
measures	 Continuation of the area-wide exhaust air measurement concept
	– Optimization of the scrubber systems (e.g. EPI scrubber)
Environmental impacts	Greenhouse gas emissions (CO ₂ , PFC emissions from refrigerants and other) and thereby impact on the climate crisis, adverse effects on humans and animals depending on concentration and pollutants
Source	Process gases in production and in the supply area

Greenhouse gas (GHG) emissions

The greenhouse gas emissions generated at the site are largely made up of the gases used in production and, to a small extent, natural gas consumption for exhaust gas purification.

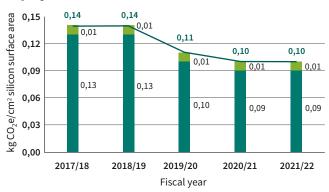
Greenhouse gases are used in the semiconductor industry for etching processes to structure wafers and for the cleaning of production facilities. These include the mentioned so-called perfluorinated compounds (PFCs), such as perfluorinated and polyfluorinated hydrocarbon compounds, sulfur hexafluoride (SF $_6$) and nitrogen trifluoride (NF $_3$). These greenhouse gases currently cannot be replaced by other groups of substances.

We minimize the impact of these gases through exhaust air purification concepts (see IMPRES program) and by using alternative gases from the PFC group, which reduce ${\rm CO_2}$ equivalents with higher conversion rates and lower greenhouse potential. However, the increasing complexity of our production processes is leading to a slightly increased need for greenhouse gases.

Because of its dielectric properties, SF_6 is used all over the world as an insulation gas in high-voltage technologies. Current state-of-the-art technologies offer no alternative to the use of SF_6 as a process gas for plasma etching in semiconductor component production. The amount of SF_6 used at the Villach site as an insulation gas for measuring and testing finished wafers in the wafer test facility has been reduced to a minimum in recent years. The remaining base load results from the special requirements of high-voltage measurement techniques as well as its use as a dielectric in implantation systems.

Greenhouse gas emissions

in kg CO₂e/cm² silicon surface area



- Total greenhouse gas emission including district heating
- CO₂ equivalent heating (district heating, natural gas, emergency diesel power, fuel for fleet)
- CO₂ equivalents PFC, SF₆, NF₃

In accordance with the EMAS Regulation, the emissions of CH_4 (methane) and CO_2 (carbon oxide) used or emitted with an impact on greenhouse gas emissions are also taken into account. The share of these process gases in relation to total greenhouse gas emissions is very low, as is the share of CO_2 -relevant hydrogen-fluorocarbons (HFCs) due to consumed refrigerants.

In pursuing the goal of CO_2 neutrality, Infineon in Villach is continuously implementing measures to reduce CO_2 emissions. The goal is to achieve CO_2 neutrality for both $\underline{\mathrm{Scope}}\ 1$ and $\underline{\mathrm{Scope}}\ 2$ emissions by the end of the fiscal year 2030. The issue of PFC emissions in particular is of considerable importance to the global semiconductor industry, as even small amounts cause a strong greenhouse effect. A kilogram of PFC gases therefore has a greater impact on global warming than a kilogram of CO_2 , so PFC gases are

_see Glossary, page 62

more significant for Infineon's climate target than direct CO₂ emissions. Infineon Villach leads the way in the global semiconductor industry: around 90 % of PFC gases are eliminated, and in the new hall this figure is as high as approx. 97 %. With this measure, Infineon in Villach can avoid more than 300,000 tons of CO₂ per year – based on the global average for the semiconductor industry – which is far more than the international targets of the semiconductor industry (World Semiconductor Council).

Exhaust air flows

Emissions into the air (in Nkm³)	2019/20	2020/21	2021/22	<u>&</u>
Total exhaust air from				
the production areas	14.82	14.95	14.95	\rightarrow

Our exhaust air is composed of different partial streams:

On the one hand, there is the uncontaminated exhaust air from the clean room supply. For this, large amounts of ambient air are taken in, cleaned of particulate matter and, after being recirculated several times (multiple circulation routing), filtered and then discharged back into the environment. Process-related contamination of the exhaust air is addressed in treatment plants and reduced to a level well below the officially prescribed limits.

With regard to process exhaust air, for example, wet scrubbers are used for acidic/alkaline exhaust air streams, while organic components are purified by means of high-temperature incineration for volume flows containing VOCs. Absorber systems are used in the implantation area, and perfluorinated compounds (PFCs) from the respective production areas are incinerated in a high-temperature process and cleaned using wet scrubbers.

The emission levels at the individual emission points are well below the limits.

Emissions of NO_x (nitrogen oxide), SO₂ (sulfur dioxide) and dust

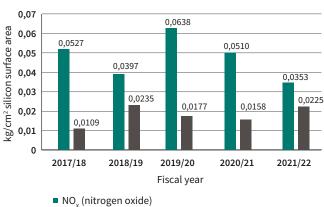
NO_v emissions from production in fiscal year 2021/22 were approximately 17.2 tons.

The NO_x content from fossil fuels following the switch to district heating (approx. 4 kg NO_x from approx. 2,700 m³ of fuel gas for the test operation of the boiler systems at the site) and the site's SO₂ emissions are negligible. Indirect emissions from district heating production are not recorded.

Dust emissions from our process exhaust stacks are inspected annually by an assessor as part of the exhaust air measurement concept. All stacks are below the emission limit imposed by the authorities (max. 5 mg/Nm³), and extrapolation of the emission measurements for the last fiscal year shows a load of approximately 11 tons.

Air emissions

in kg/cm² silicon surface area



■ Dust

Did you know that...

...Infineon can continuously reduce dust emissions by using an exhaust air concept that separates acidic and alkaline exhaust air?



ENVIRONMENTAL ASPECTS

Chemicals and gases

Main indicators	Use of relevant quantities of chemicals and gases (in addition to seveso-related substances, also substances with other environment-related properties)
Most important measures	 A high percentage of solvents are recycled Use and safety measures to reduce the risk of an incident are taken into account in planning (e.g. by means of FMEA), update of risk assessments in the event of changes in substance quantities or substance type
Environmental impacts	 Impacts during normal operation due to exhaust air, waste and waste water Impacts in the event of an incident reduced to a minimum through technical and organizational measures (see brochure for site neighbors: www.infineon.com/nachhaltig-austria)
Source	Production processes, production supply (facilities)

The absolute figures are first listed in tabular form below. The interpretation of consumption in relation to production volume is shown in the graph below.

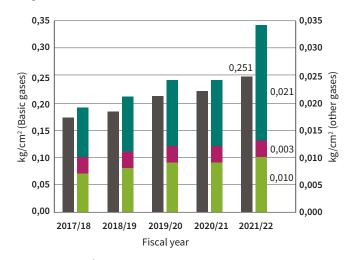
Chemicals and gases

(in tons)	2019/20	2020/21	2021/22	<u></u> %
Basic gases	97,601	103,501	122,545	7
Process gases	178	180	211	7
Inorganic chemicals	4,189	4,071	4,911	7
Solvents	1,238	1,277	1,435	7
Paints	27	29	32	7
Infrastructure chemicals	5,315	5,463	10,059	7

Both the absolute quantities of chemicals and gases used and the consumption in relation to the silicon surface area produced have risen sharply as a result of the ramp-up of the new chip factory. Here you will see the increase in efficiency in the graph of normalized input quantities over the next few years due to the ramp-up of Hall 18. New process controls, such as point-of-use processes, also result in an additional consumption of chemicals for quality improvement purposes.

Chemicals and gases

in kg/cm² silicon surface area



- Basic gases
- Infrastructure gases
- Inorganic chemicals
- Solvents



ENVIRONMENTAL ASPECTS

Waste

Main indicators	Total waste [t], amount of hazardous waste [t], amount of non-hazardous waste [t]
Most important measures	 Main components of non-hazardous waste are sent to recycling (e.g. CaFS) Main components of hazardous waste are reclaimed or recycled (e.g. solvents) Our wafer delivery boxes are processed at a regional recycling company so that the high-quality plastic can be reintroduced into a materials cycle
Environmental impacts	Danger to people and the environment in the event of improper waste handling
Source	Production: packaging, equipment, laboratory Infrastructure: Waste water plants, office buildings, kitchen, IT, other waste Construction activities / construction site waste

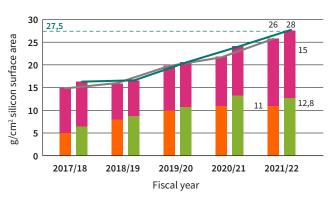
At the Villach site, Infineon Austria attaches great importance to consistent waste separation and compliance with the defined waste management concept. Employees contribute by continuously collecting and separating waste and reusable materials.

Total waste (in tons)	2019/20	2020/21	2021/22	<u>&</u>
Non-hazardous waste	4,920	6,153	6,242	7
Hazardous waste	4,501	5,128	7,542	7

Most hazardous and non-hazardous waste components that can be dealt with by licensed waste collectors and processors are recycled. For example, calcium fluoride sludge from the waste water plant is used as a secondary raw material in the building materials industry, while spent sulfuric acid is used for neutralization purposes. Some of the spent solvents are recycled, the rest are incinerated. The following graph provides an overview of the development of the amount of waste in relation to the silicon surface produced at the site.

For the first time, this graph shows the waste indicator without wood, iron and construction site waste as a supplement to show that we would be on track for the global target without construction site activities. Nevertheless, the total amount of waste components is shown in this graph in order to maintain transparency.

Total waste in g/cm² silicon surface area



- Total waste
- -- Group target, total waste
- Total waste (excluding wood, iron, construction site waste)
- Hazardous waste
- Non-hazardous waste
- Non-hazardous waste (excluding wood, iron,

The increase in waste volumes was attributable, inter alia, to an increase in the waste components of aqueous concentrates and sulfuric acid. This is due to the ramp-up of Hall 18, which is of course still inefficient in this initial ramp-up phase, but will improve noticeably over the next few years with the logical increase in efficiency to 100% capacity utilization.

As a result of this ramp-up and other construction activities at the site, our waste indicator is above the Group target of 27.5 g/cm² for the first time. It should be noted that the target of 27.5 g/cm² silicon surface area applies to the entire Infineon Group and has been achieved (see Sustainability Report of Infineon AG).

Non-hazardous waste

In the fiscal years 2020, 2021 and 2022 the main non-hazardous waste components > 100 tons were:

Non-hazardous waste	No	nn-l	haza	rdoi	is wa	ste
---------------------	----	------	------	------	-------	-----

(in tons)	2019/20	2020/21	2021/22	<u></u> %
Calcium flouride slurry (CaFS)	3,193	3,358	3,531	7
Household and commercial waste	495	641	653	7
Contents of grease separators (kitchen)	129	323	381	7
Iron and steel waste (commercial scrap metal)	155	247	246	\rightarrow
Waste paper	152	183	194	7
Biogenic waste	172	172	172	\rightarrow
Wood waste	211	771	637	7
Construction site waste	126	131	120	Ŋ

The following overview of the main occurring components of non-hazardous waste in their recycling streams is intended to show the development of the division into thermal and material treatment. A breakdown reveals the following distribution

Non-hazardous waste from

production (in tons)	2019/20	2020/21	2021/22	<u>&</u>
Total non-hazardous waste	3,567	3,833	4,013	71
of which recovered	232	325	463	ĸ
of which incinerated	131	139	7	7
of which disposed of	3,205	3,368	3,543	\rightarrow

This table shows the change in recycling of wafer boxes from incineration (thermal treatment) to material recycling (approximately 130 tons).

Non-hazardous waste from areas outside production (e.g. peripher-

als, facilities, office space) (in tons)	2019/20	2020/21	2021/22	ጼ
Total non-hazardous waste	989	1,366	1,369	\rightarrow
of which recovered	307	543	583	71
of which incinerated	47	40	657	7
of which disposed of	635	783	128	Ŋ

The increase in thermal treatment with a simultaneous decrease in disposal can be seen here. This change is due to the change in the allocation of the waste component household waste from disposal to thermal treatment.

Non-hazardous waste -

packaging (in tons)	2019/20	2020/21	2021/22	<u></u> &
Total non-hazardous waste	364	955	860	71
of which recovered	152	183	202	7
of which incinerated	212	772	657	7

The decrease in thermal treatment in the area of packaging is due to the lower volume of the wood fraction in fiscal year 2021/2022.



Hazardous waste

In the fiscal years 2020, 2021 and 2022 the main hazardous waste components > 100 tons were:

Hazardous waste (in tons)	2019/20	2020/21	2021/22	<u>&</u>
Solvent mixtures	611	672	912	71
Spent acids (sulfuric acid)	1,163	1,336	1,834	71
Other aqueous concentrates	2,306	2,749	3,850	71
Ammonium fluoride	0	0	126	7

In fiscal 2022, the increase in hazardous waste was again mainly due to the fractions of other aqueous concentrates and can be explained by the expansion of production.

Until FY 21/22, ammonium fluoride was treated internally. However, due to the ramp-up, the capacity for internal treatment of ammonium fluoride is no longer sufficient and it must now be disposed of externally.

In this regard, an extended purification plant for the treatment or reduction of these copper-bearing waters is being planned (see environmental program). Solvents have already been successfully distilled off-site since 2009. Now, four fractions (PGMEA, CP, NMP, and DMF) are sent for recycling, with typical recycling rates of about 70 percent. Another solvent (BDG) will be separately collected and recycled from 2023 onwards (see planned environmental projects).

It should also be noted that our spent solvent mixtures are, as a result, not only sources of energy in terms of thermal treatment, but also valuable secondary raw materials. Thus, preference is clearly given to the recovery of materials rather than thermal treatment.

Below is a summary of the hazardous waste generated by the site, broken down into the main components and their respective recycling flows:

Hazardous waste from production

(in tons)	2019/20	2020/21	2021/22	<u>&</u>
Total hazardous waste	4,206	4,865	7,267	7
of which recovered	1,269	1,374	2,349	7
of which incinerated	630	742	935	71
of which disposed of	2,307	2,750	3,983	7

Hazardous waste from areas outside production (e.g. peripherals,

facilities, office space) (in tons)	2019/20	2020/21	2021/22	<u>&</u>
Total hazardous waste	248	217	226	7
of which recovered	46	86	48	7
of which incinerated	4	9	14	7
of which disposed of	198	123	163	7

The increase in ammonium fluoride explains the increase in hazardous waste disposal from non-production areas. The decrease in recycling is due to waste electrical and electronic equipment, the recycling of which has returned to the levels of previous years.

Hazardous waste – packaging

(in tons)	2019/20	2020/21	2021/22	<u>&</u>
Total hazardous waste	47	45	49	7
of which recovered	34	32	33	7
of which incinerated	13	13	16	7

Did you know that...

... by using reusable transport boxes, Infineon has been saving not only packaging material but also a lot of money since 2015?



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ENVIRONMENTAL ASPECTS

Land use and biodiversity

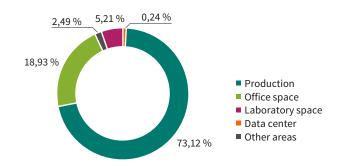
Main indicators	Sealed areas [m ²], Subsoil preparation [m ²]
Most important measures	Inventory and site expansionReforestation projects
Environmental impacts	Impact on humans, flora and fauna (biodiversity)
Source	Site expansions

Due to the development of the site over the past 50 years, plant expansions are an important issue for our global economic competitiveness. The land required for this purpose is made available in accordance with the relevant official procedures, with due regard for the environment and the neighborhood.

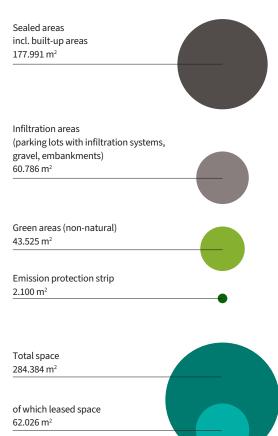
The total area covered by the site during the 2022 reporting period, including roads and pathways, was approximately 285,000 m^2 , with approximately 62,000 m^2 of leased space. The green space (lawns, vegetation) amounts to approx. 46,000 m^2 . The total sealed area of the site, including the areas covered by buildings, amounts to around 178,000 m^2 .

The remaining approximately 61,000 m² consists mainly of parking areas with infiltration systems, drainage ditches and embankments and unpaved gravel surfaces (prepared sites).

Usable areas of the buildings



Land use in m²



The new buildings and additions (20,000 m² for the new chip factory and 4,000 m² for the R&D building) at the Villach site were largely built on existing parking areas. Bushes and woods were cleared to make way for new infrastructure buildings and the plant access road. These areas are being replaced by Infineon in several ways: In consultation with the Carinthian Provincial Government (Environment, Energy and Nature Conservation Department) and the forestry authority, so-called substitute habitats such as biotopes and wet meadows are being created. Infineon acquired approximately 2.000 m² of natural space to the



east of the daycare center in order to secure this as a pure natural area.

In addition, reforestation projects were carried out in coordination with the authorities to compensate for the additional sealed or built-up areas of 36,000 m² required as a result of the site expansion. Infineon financially supported the creation of new forest areas that focus on quality rather than square meters. The resulting cultivations are deemed to be of higher ecological value than the cleared forests, and a lot of effort has been put into protecting them from game browsing.

In a compensation assessment, these areas correspond at least to the area cleared, although a large part of this is due to Infineon's voluntary commitment. The project mainly involved reforesting areas that had been affected by bark beetles, storms or heavy rainfall events. Bio-diverse mixed forests (larches, sycamores, silver firs, common oaks, mountain ash) were planted. In addition, one of these reforestation projects served as slope stabilization for a previously washed-out forest road.

Did you know that...

... Infineon, together with Arge Naturschutz, is reforesting with a focus on biodiversity, creating nesting sites for birds and insects, and protecting frogs, hedgehogs and other small animals through small animal tunnels and counting campaigns?

In addition, we are planning to plant biodiverse wild meadows (emission protection strips) in cooperation with Arge Naturschutz.

Bio-diverse natural habitat

In consultation with the Carinthian Provincial Government (Department for Environment, Energy and Nature Conservation) and the forestry authority, a so-called replacement habitat was also created directly near Infineon, east of the kindergarten. A biotope (approx. 2,300 m² of water surface) as well as terrain and wet meadows of around 8,000 m² ensure a pure bio-diverse natural space, creating new habitats that were lost decades before Infineon settled due to river straightening.

Water consumption and waste water

Main indicators	Water withdrawal [m³], waste water quantity [m³]	
Most important — Adaptation and expansion of waste water treatment system to meet operational r measures — Load monitoring of various ingredients carried out; integrated into water legislation procedures		
	– Extension of the retention basin	
Environmental impacts	Impacts on surface waters and groundwater bodies	
Source	Production processes (wet chemical/etching, grinding/sawing), wet scrubbers/abatements, component cleaning	

The Villach site covers most of its water supply from its own wells. As a result of the expansion of operational facilities and shifts in technology, depending on production, almost 50 percent of this self-supplied water is treated with the aid of special equipment, resulting in ultrapure water for production. The water used to cool these production and infrastructure facilities is also extracted onsite. We source drinking water and water for sanitary installations from the local utility provider.

In the course of the ongoing plant expansions and the resulting additional demand for process and cooling water during commissioning and ramp-up of the new factory, there is close coordination with the authorities.

The graph shows the clear increase in specific water consumption and specific waste water generation, due in part to a minimum pumping rate, but also to water wastage during the ramp-up of the new chip factory.

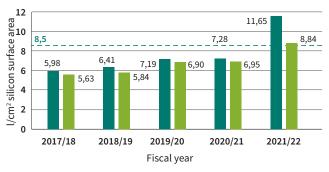
As with waste, there is a Group target for this area (8.5 l/cm² wafer area (calculated according to ESIA)), which has been met on a global level (see Sustainability Report of Infineon AG). However, due to the ramp-up phase of the new chip factory, the Villach site for the first time ever exceeded this value. It will, however, be achievable again once the new factory is running at full capacity. Infineon in Villach is investigating several options to improve the efficiency of its water consumption. A piping system is currently being planned that will allow the unmodified water that is used exclusively for cooling purposes to be reused in other production processes.

Contaminated waste water from production is purified in our internal waste water treatment plant, which is equipped with state-of-the-art automatic online analysis functions and corresponding retention basins.

Waste water (direct and indirect discharge) is subject to a semi-annual inspection by an external expert. The limit values laid down in the official rulings are observed.

Waste water and cooling water (in m^3)	2019/20	2020/21	2021/22	ጼ
Waste water	3,138,061	3,215,411	4,323,860	7
Waste water requiring treatment	2,450,665	2,420,069	3,253,082	7
Direct discharge	687,396	795,342	1,070,778	7
Cooling water	1,316,702	1,239,736	1,635,198	7

Water consumption and waste water from production in l/cm² silicon surface area



- Water consumption according to ESIA definition
- Waste water from production
- -- Group target, water consumption in l/cm²

ENVIRONMENTAL ASPECTS

Noise

Main indicators	Noise emission [dB], number of trips or deliveries
Most important	– Regular noise measurements at the site and the site boundaries
measures	 Implementation of individual measures derived from noise surveys
	 Dialog-oriented and personal communication with site neighbors
Environmental impacts	Noise pollution of local residents due to production, construction sites, traffic, etc.
Source	Parking areas, cooling towers, chimneys (silencers), fresh air intakes (silencers)
	The loudest emitters (but installed in buildings):
	– Compressors
	– Cooling systems
	– Vacuum pumps
	– Other aggregates

Infineon Austria maintains an up-to-date noise emissions log. Most noise-generating equipment (compressors, cooling units, heating equipment and vacuum pumps) is located in enclosed supply rooms.

The provided and expanded parking areas direct the arrival and departure of employees and relieve the surrounding area. These activities are embedded in an overall traffic concept that is coordinated with the authorities and local residents. Noise levels at the site boundaries are within the officially stipulated levels and are controlled regularly.

Since the fall of 2022, stationary sound level measuring stations have been installed and put into operation at three significant points (south-west, south-east and north) along the perimeter fence in order to have a permanent overview of exceptional sound events in the direction of the nearest neighbors. The objective is to be able to counteract such sound events as quickly as possible.





Indirect Environmental Aspects

Indirect environmental aspects are those that we cause and can influence to a certain extent. This includes the positive environmental impact that results from the use of our products. But also the way our employees travel to and from work, or the environmental performance of our suppliers.

Did you know that...

...Infineon signed the United Nations Global Compact in 2004, contributes to the achievement of the Sustainable Development Goals and that all Infineon employees receive training to become ambassadors for human rights?

Added value through sustainable products

Technologies that do more while using fewer resources and reducing emissions are an important key to greater sustainability and solving climate-related challenges. Infineon's semiconductors and microchips contribute to energy efficiency in many applications: For example, they lower energy consumption in computer centers and allow for emission-free and secure mobility as well as the efficient generation of solar and wind energy. With a market share of 19.7 percent (source: Omdia, September 2022) the Infineon Group is the world market leader for these power semiconductors, also known as energy-saving chips.

Decarbonization and digitalization

Infineon Austria is continuously investing in the site in order to be able to meet the increasing global demand for energy-saving chips. Villach has been pooling global expertise in power electronics since 1997, and since 2017 the global competence center for new semiconductor materials (silicon carbide and gallium nitride) has also been located in Villach. These materials can convert electricity even more efficiently and allow even smaller components. Current applications include charging stations for electric cars with significantly shorter charging times or the mobile infrastructure for 5G networks. In this way, Infineon makes a valuable contribution to higher energy efficiency, the achievement of climate targets and the European Green Deal.

Some product examples using Austrian know-how are highlighted below. The products and services might harm the environment during use and disposal. However, these effects are not, or only to a certain extent, under the control of the company.

More electricity from wind and the sun

Infineon semiconductors support the generation of electricity from renewable energy sources and make it possible to reduce energy losses in the generation of solar and wind power, while increasing performance and allowing energy to flow efficiently into the grid. Power semiconductors based on silicon-carbide amplify these benefits. An example: The new hybrid solar inverters made by Fronius with Infineon SiC chips achieve an energy efficiency of over 98 percent and thanks to multiflow technology can also additionally prepare the energy generated for heating water, charging electric cars and connecting to third-party systems.



Environmentally-friendly mobility

Infineon's power electronics are used in drive systems for above-ground and underground trains as well as in hybrid or e-cars, e-bikes or e-scooters. Infineon chips are incorporated in 17 of the world's 25 best-selling hybrid and e-cars. The VW ID.4 contains more than 50 Infineon semiconductors, including the heart of the electric powertrain, a power module from the HybridPACK™, microcontrollers and driver ICs. In segments such as electric drive, charging, battery management and other electrified systems in vehicles, Infineon offers solutions that increase the efficiency of the overall system and contribute to emission-free mobility. The trend towards e-mobility requires corresponding capacities of batteries as well as the charging infrastructure. For example, Infineon semiconductors can improve the capacity, range and service life of batteries by more than ten percent through active battery management. The integration of Infineon's "CoolSiC" technology in e-charging stations shortens charging times to around ten minutes (depending on the type of vehicle), while at the same time reducing switching losses. The charging stations are also about a third smaller because fewer components are needed for cooling. Depending on the system topology, different types of power semiconductors are used in the charging columns. SiC solutions are increasingly being used for ultra-fast e-car charging stations in the 150+ kilowatt range.

Smart Home & Smart Building

Energy-efficient appliances and smart buildings reduce energy consumption while improving occupant comfort. Infineon's inverter technology reduces energy consumption in refrigerators by up to 40 percent. Inverter technology also ensures greater energy efficiency in induction stoves, air conditioners, power tools, fans and pumps, as well as LED lamps. With Infineon sensor technology, climate protection and efficiency improvements can also be implemented in the building sector. Presence sensors can, for example, determine whether and how many people are present in a room and automatically regulate lighting, ventilation and room temperature based on this information. This reduces energy requirements and at the same time increases the comfort of living, working and being in the respective areas.

Did you know that...

... more than 50 percent of all computer centers worldwide contain energy-saving chips made by Infineon?

Wireless charging

Infineon enables wireless charging with innovative chip solutions that transfer power from the charging station to the device as quickly and efficiently as possible. The majority of this technology is developed and produced in Villach. Furthermore, several devices can now be charged at the same time by a single charging station. These include smartphones, tablets and notebooks as well as wearables. Low-voltage devices such as power tools, domestic appliances, toys and medical equipment benefit from this trend. Infineon offers product solutions for charging stations and adapters which ensure optimum wireless power transfer to various receivers.

Energy efficiency in the "Internet of Things"

In the "Internet of Things", devices and systems are also becoming increasingly networked. According to estimates, 75 billion devices will already be networked by 2025. In order to limit the expected increase in power demand from computer centers and transmission networks and to ensure a smooth flow of data, high-performance and yet extremely energy-efficient power supplies are essential. Infineon offers the semiconductor solutions needed to do this. At present, around 50 percent of the world's servers use Infineon power semiconductors from Villach for efficient power conversion.





Did you know that...

... Did you know that Infineon works closely with suppliers to promote environmental sustainability and climate protection in the supply chain?

Responsible procurement

A long-term partnership between Infineon and its suppliers is a core element of the company's philosophy. When evaluating existing suppliers and selecting future suppliers, compliance with our requirements in the areas of environmental protection, occupational safety and corporate social responsibility (CSR) is extremely important to us. Group-wide supplier management ensures a transparent and uniform procurement system which is re-evaluated annually with regard to the aforementioned topics in order to initiate corrective measures if necessary and to achieve the further development of suppliers. Our purchasing agreements, which also include environmental and workplace safety aspects, further contribute to successful collaboration. Additional requirements are formulated in our "Technical Terms and Conditions of Delivery". All activities undertaken are subject to regular external audits.

Supplier Code of Conduct

Our Supplier Code of Conduct is based on internationally recognized guidelines and the Fundamental Principles of the International Labor Organization, as well as our Business Conduct Guidelines. As part of the long-term partnership, all of our suppliers are centrally registered through a supplier management portal. The portal also serves as a supplier evaluation tool. Based on this, the Infineon Group reassessed 360 existing suppliers in 2022,

representing about 75 percent of the purchasing volume. One of the criteria used in the reassessment and strategic discussions with suppliers was their CO₂ measurement activities, targets and reduction measures. The goal is to increase the transparency of our suppliers. At the Villach site, the majority of the main suppliers have a certified environmental management system in place.

E-Procurement

Procurement supports the regional site projects on the topic of sustainability, such as "Green Way" or also the hydrogen research project in all procurement-related processing. All procurement processes, from the tendering tool to the purchase requisition and from approval to invoice verification, as well as the supplier management portal, are recorded and digitally processed via dedicated e-platforms or SAP. This allows for efficient and resource-saving paperless processing.

EcoVadis award

Infineon has been awarded "Gold" status by EcoVadis six times and received the "Platinum" medal in fiscal year 2022. EcoVadis is an independent rating agency that evaluates suppliers on their environmental, social and financial performance.

Supplier Code of Conduct



Holistic "Green Way" mobility scheme

The "Green Way" mobility project was launched in 2016 and has developed from operational activities into a holistic mobility scheme that takes into account interactions with the region as well as cooperation with external stakeholders.

Accordingly, Infineon is very committed to improving public transportation and coordinates its related efforts with the city, the state and the transportation companies. Infineon also supports the expansion of the bicycle path network. Infineon is cooperating closely with companies, authorities and relevant networks (e.g. motor clubs) in joint projects and coordination efforts to improve mobility offers and promote the overall attractiveness of the region.

This benefits not only the employees, but also suppliers, service providers and the entire residential and tourist region of Villach. Infineon Austria promotes environmentally friendly ways for employees to get to work.

This includes comprehensive activities such as

- Promoting cycling through high-quality parking facilities and an increased number of bike cages immediately next to the entrances around the site
- E-mobility: Expansion of the e-charging infrastructure at the site for private and company vehicles
- Infineon "<u>Climate Ticket</u>": Free ticket for commuting to and from work by public transport
- Ongoing mobility analyses and involvement in networks relevant to the topic
- Support and coordination with city and state to improve public transport connections

Dialog-oriented implementation

In addition to the goal of creating attractive and sustainable mobility options for employees, measures are also being taken to regulate traffic and reduce the burden on the surrounding area in the spirit of the "Green Way", especially in the context of the expansion of the site. For this purpose, a task force consisting of experts from the federal government, the state and the city as well as from Infineon was established already during the preparation phase in order to take traffic measures into account at an early stage and within the scope of legal possibilities. The implemented concept includes traffic control measures (e.g. roundabouts, the new Infineonstraße, wide bicycle paths, the parking garage) as well as elements that relieve and protect the surrounding area (e.g. noise reduction measures with the active involvement of local residents or measures to protect animals and the environment, such as amphibian and small game passages).

Environmentally-friendly commuting

Approximately 800 Infineon employees already come to work by bike. With the "Climate ticket", Infineon offers all employees and temporary workers free travel to work on public transport: It is now used by approximately 900 employees in Austria. In Carinthia alone, usage has increased by around 40 % to almost 500 tickets in just a few months, which is also due to the expansion of public transport services. Our employees can also use the climate ticket for their private mobility. In this way, Infineon contributes to a comprehensive change in mobility habits.



Did you know that...

... Infineon employees receive the climate ticket for their federal state free of charge or a cost subsidy of 620 Euro for the climate ticket for Austria? This promotes public transportation and environmentally friendly commuting.



"Green Way" as a best practice

Thanks to close cooperation with the city, the state, the transport association and the operators, the Villach site is now directly served by 9 regional and municipal bus lines. In urban bus transport, even more people were reached thanks to a good frequency, better transfers and improved routing. This is supplemented by regular mobility analyses in order to be able to design future offers attractively. "Green Way" was presented in the UN Guide 2020 as a best-practice example and shows how regional cooperation and attractive company services can encourage the use of public transport or bicycles and the transition to environmentally-friendly mobility.

E-transport

The expansion of electromobility for logistics marks another step toward climate neutrality. In total, 72 charging points are now provided for logistics as well as private and company vehicles.





ENVIRONMENTAL PROGRAM AND ENVIRONMENTAL GOALS

Environmental Protection in Action

Already today, Infineon is actively contributing to climate protection on many levels. This is also evident in production: Per square centimeter of processed wafer area, Infineon requires 30 percent less water, 53 percent less electricity and generates 69 percent less waste than the global average of semiconductor companies organized in the World Semiconductor Council.

But one thing also holds true for us: We want to do even more.

* The calculation is based on the square centimeters of processed wafer area in front-end production and the consumption according to the WSC definition. The figures are from the latest Infineon Group CSR report from the fiscal year 2021/22 www.infineon.com/sustainability

Our Goal of CO₂ Neutrality

The Infineon Group has set itself the goal of achieving CO_2 neutrality for both Scope 1 and Scope 2 emissions by the end of the fiscal year 2030. By the end of fiscal 2022, the Group's Scope 1 and Scope 2 emissions were already 23.4 percent below the emissions of the base year 2019. The company plans to reduce emissions by 70 percent against 2019 levels by 2025. The main focus will be on avoiding direct emissions and measures for intelligent exhaust air purification. In order to further reduce emissions, the Infineon Group plans to switch to 100 percent green electricity with a certificate of origin in the medium term. Infineon Austria in Villach is already a pioneer in this regard: Since 2013, 100 percent of the electricity used has come from renewable energy sources.

Our approach to achieving the goal of CO_2 neutrality is based on three levels:

- Purchase of green electricity with guarantee of origin for unavoidable emissions
- Reduction of <u>PFC</u> emissions through application of a global standard
- Internal CO₂ price (CO₂ pricing)

PFC gases are necessary process gases for the semiconductor industry that cannot be substituted. They have a high greenhouse gas potential, which is why PFC gases are more essential for Infineon's climate target than direct CO₂ emissions from fossil fuels. Infineon has been striving for years to reduce direct emissions to the necessary minimum and has already made significant investments in exhaust air purification.

Infineon Villach is a global pioneer: more than 90 % of PFC gases are eliminated, and in the new hall this figure is as high as approx. 97 %. With this measure, Infineon in Villach can avoid more than 300,000 tons of CO₂ per year which is far more than the international targets of the semiconductor industry (World Semiconductor Council). This exhaust air purification makes an important contribution to the goal of CO₂ neutrality (see page 10).

An analysis method (a so-called ABC analysis) has been developed and introduced throughout the Infineon Group that makes it possible, among other things, to calculate PFC gas emissions more precisely and thus also to find potentials in the entire exhaust gas chain where improved cleaning systems are necessary and useful. The treatment of harmful gases has reached a very high level at the sites in Europe. The same high level was achieved last year at the Kulim site in Malaysia. For further investments, the focus is now on the site in Austin (USA). At the same time, investments are also being made in the existing plants in Villach, Regensburg and Dresden in order to further reduce direct emissions there as well.

In order to promote further projects such as these, an internal CO_2 price was introduced for the evaluation of measures, e.g. in the area of energy efficiency. It serves as an additional internal incentive to support our sustainability ambitions. This is an issue that is expected to evolve over the next few years, based on early implementation results.

IMPRES Goals

The integrated management system IMPRES ("Infineon Integrated Management Program for Environment, Energy, Safety and Health") sets concrete goals in the areas of environment, energy, as well as safety and health protection. The overarching goal of CO₂ neutrality in the area of environmentally relevant targets has already been explained. In addition, management has also set targets in the areas of water and waste. In the area of water consumption, for

example, a concept is being developed to ensure that the Group's target of 8.5 l/cm² of wafer area is also met at the Villach site. In the area of waste, the Group's target value of 27.5 g/cm² wafer area should be achievable again in the next few years following the optimization measures and the full utilization of the new chip factory.

__ see Glossary, page 62 53

Environmental programs implemented in 2022

At the Villach site, the workplace safety, health protection, environmental protection and energy programs are based on the objectives formulated in the Infineon Group's policies on environmental protection, energy management, workplace safety and health protection. The catalog of goals and actions is reviewed, adjusted and defined once a year based on the corresponding input and output analyses and the environmental aspects of the site that have been identified as essential. The projects associated with the individual goals as well as the related measures, deadlines and responsible parties are also determined as part of the same process.

Did you know that...

... state-of-the-art exhaust air purification systems in the new Infineon chip production plant clean up at least 97 percent* of emissions?

The following are the projects derived and implemented for the most recent fiscal year 2021/22:

Area	Target	Measure	Status	End date
Waste	Increase in material recovery (recycling)	Recycling of wafer boxes instead of incineration through coordination with suppliers	implemented	Mar. 23
Exhaust air	Reduction of dust emissions	Additional dust collectors for legacy facilities in the furnace technology and deposition	Completed at the end of FY 21/22	Sep. 22
	Further reduction of emissions	Implementation of a wet scrubber (NW 48) in H14, which can be operated both acidic or alkaline	Project completed at the end of FY 2021/22	Oct. 22
Chemical safety / Environmental Protection Laboratory	SAP access only for employees who have completed the annual SAP Poison training across all locations in Germany and Austria.	Preparation of SAP training according to the Toxic Substances Act in German and English versions	all versions implemented	Mar. 22
	Autom. QR Code system for automatic registration of laboratory inventory items and automated inventory lists of items	Preparation of inventory lists – QR barcode implemen- tation in laboratory items Building 24 and laboratory warehouse H18	Implemented	Sep. 22
Skills, training and awareness	Further implementation of IMPRES throughout the organization	Further training as internal IMPRES auditor in the areas of Human Resources, Business Continuity and Development Center Villach	Confirmed with department heads, registration for training underway	Apr. 23

^{*} according to subsidy notice KPC (Kommunalkredit Public Consulting)

Area	Target	Measure	Status	End date
Disaster prevention and SEVESO aspects	Employees know the dangers of and countermeasures against fire and incidents involving fire	Training given by means of "Fire Safety" video	Draft script prepared, first shooting implemented after commissioning of the new chip factory 03.2022	Oct. 22
Communication	Target group and dialog-ori- ented information of local residents and interested stakeholders about Infineon Austria's ESH activities	 Update of brochure for site neighbors (02/23) Neighborhood newsletter "Infineon News", two issues/year Communication of sustainability & CSR activities via the website and active media work 	Ongoing publication in print and online format www.infineon.com/nachhaltig-austriawww.infineon.com/austria	Feb. 23
Noise	Compliance with all legal requirements	Additional measuring points for sound level determi- nation after completion of construction activity GP300	additional measuring points newly recorded in the course of the annual noise emissions log at the extended plant boundary	May 22
Mobility	E-Mobility	The e-charging stations will be further expanded as part of a cross-site concept.	Expansion of e-charging stations completed for the time being. A total of 72 charging points established in Q2/2022.	May 22
	Bicycle infrastructure	Ongoing talks with the city of Villach regarding bicycle paths.	Talks ongoing. Another major bicycle path (Italienerstraße) was implemented in FY 21/22.	Oct. 21
	Public transport	Change from a job ticket to a climate ticket refund	The offer was implemented in Q2/2022. Infineon Austria is now offering its employees the opportunity to have a climate ticket of their choice reimbursed up to a value of € 620.	May 22
		Improvement of public transport in Villach and the region	The offer was further improved in Q2/2022. For the first time, public transportation in Villach is now on a regular schedule. A major public transport reform has been announced for Q1/2023	Sep. 22

Environmental programs planned for 2023

The following is an overview of the projects derived for the current fiscal year 2022/23:

Area	Target	Measure	Status	End date
Waste	Increase in material recovery	Outsourcing of WCC with contractual agreement on the implementation of a circular economy and optimization of the monitoring of waste flows.	The content of the contract has been drafted and initial discussions with bidders have taken place.	Oct. 24
	Expansion of solvent recycling to include additional fractions	Separate collection and recycling of solvents	In April 23, another fraction (BDGA) will be included in recycling	Apr. 23
Exhaust air	Renewal of technology in EPI scrubbers to improve stability	Renewal of EPI scrubbers	Ongoing new installation of EPI scrubbers Project will continue until FY 2023/24	Oct. 24
	Reduction of NH ₃ emissions	Replacement NH ₃ scrubber (redundancy plant)	Project on hold → major current reconstruction in hall H15 by project team	Oct. 24
	Further reduction of emissions	 Optimization of consumption through synchronization with production Optimization of duration and times of use (natural gas, nitrogen, electricity, oxygen, etc.) 	Implementation phase in the new chip factory	ongoing until 2025
	Extension redundancy of solvent combustion	Solvent combustion new	Switch to no chip factory completed	Oct. 23
Waste water	Reduction of waste water for external disposal from 70 t/ week to 5 t/week through the purchase of a copper treatment plant	Purchase of a copper treatment plantReduction of IBC containers to be disposed of	Detailed planning per- formed; first container insertions and assemblies 4/23	Oct. 23
	Further reduction of the fluoride load in indirect discharge	Expansion of treatment capacities (B27) and construction of a treatment for rinse water	Waste water extension awarded (completion 01/24)	Oct. 24
Water	Ensure security of supply	Develop additional redundant wells at the site	Completion of drilling	Sep. 24
	Double use of water: thermal water from the existing production is to be reused in the new production hall	Pendant line project: Creation of a pendant water pipe to connect the production halls	Planning is completed, project implementation is underway	Mar. 24 ■■□□

Area	Target	Measure	Status	End date
Water	Reduction of energy demand or energy costs to heat the water needed in the new chip factory	Project "Hot DI": Create a decentralized water heating system with on-demand distribution to machines that actually need warmer water	Coordination and analysis of possible solutions is currently underway	Sep. 24
	Preservation of well quality	Monitoring of manganese levels in water	Monitoring in progress	Sep. 23
Energy efficiency	Energy optimization for operations	Evaluation to identify optimal hardware components for cooling towers (configurations and designs)	Delivery delays	Oct. 23
Energy efficiency	Optimization of the energy consumption of sub equipment & supply facilities	Installation of a control and steering system	Rollout in the new chip factory started and completed during ramp-up	Oct. 24
			90 systems also planned for legacy systems	Nov. 23
	Onsite production of green hydrogen	Installation of an onsite hydrogen generation system with electrolysis system by Linde	Delivery delays: Construction of the plant and trial operation FY 22/23	Dec. 23 ■□□□
	Increase in the use of renew- able (self-generated) energy through PV system	Potential analysis for the installation of a PV system at the Villach site	Evaluation of possible areas for PV panel installation completed. First implementation (new logistics building) confirmed.	Oct. 23
	Heat recovery from EPI H13	Utilization of exhaust heat from the EPI units	Installation of the system by Nov. 23	Nov. 23
Skills, training and awareness	Employees onsite act in a consciously sustainable and environmentally-friendly manner	Implementation of a mandatory e-learning course "Environmental protection and sustainability"	E-learning in final editing	Aug. 23
	Increase employee aware- ness of sustainability	Information and activation of employees via the social intranet (e.g. for CSR awareness); increased relevance of corporate identification with the topic of sustainability; branding/recognition of CSR/ sustainability	Branding, logo and chan- nel created; campaign in preparation	Jun. 23 ■■□□

__see Glossary, page 62 57

Area	Target	Measure	Status	End date
Noise	No complaints from site neighbors	 Evaluation of a stationary continuous sound level measurement at the property boundaries. Award of ext. measurement report for summer → activated cooling units Evaluation of a stationary continuous sound level measurement setup at property boundaries. 	Measuring stations are fully installed and record data, preparation of a reporting system on a weekly basis by ext. acoustician as a first suggestion.	Sep. 23 ■■■□
Mobility	E-Mobility	The e-charging stations will be further expanded as part of a cross-site concept.	Two DC fast charging points are planned in FY 22/23.	May 23
	Bicycle infrastructure	Ongoing discussions with the city of Villach to improve bike paths to Infineon	Ongoing talks. A connecting road relevant to Infineon (Tschinowitscherweg) and a roundabout solution have been announced for FY 22/23.	Sep. 23 ■□□□
	Promotion of cyclists	The "job bike" idea is to be implemented.	Working group established. The tax options have changed again as of 1 January 2023, so a reassessment was necessary. If approved, implementation is planned for FY 22/23.	Sep. 23 ■■□□
	Campaign / awareness	Eco-friendly mobility should also be taken advantage of once the offers have been implemented.	Ongoing measures. Changes in the public transport (PT) of the city of Villach are still to be expected. Campaign for public transport starts in 2023.	May 23 ■■□□
	Public transport	Improvement of public transport in Villach and the region Despite the improvements already made to the public transport system, suggestions for improvements are constantly being made.	In Q1/23, a holistic reform of public transport was implemented: better routing, optimized transfers, better frequency.	Sep. 23



Did you know that...

Infineon's certified refurbishment of 3,629 IT devices saved around 463 tons of CO_2 in 2022?*

 * in cooperation with the non-profit organization AfB "Arbeit für Menschen mit Behinderung" GmbH, which determined these figures based on a study by the Technical University of Berlin and the non-profit climate protection organization myclimate.

Ongoing environmental protection measures

Environmental aspects and long-standing measures

Energy	consumption

Infineon continuously implements activities and measures to improve its energy efficiency.

- A low-temperature coil was retrofitted to the ventilation systems, making it possible to take them off the district heating supply. This means that the ventilation systems are supplied via the heat recovered from the cooling units and compressors. In addition, a better utilization of the potential of installed heat pumps is made possible.
- The need for a new cooling unit was solved cleverly by using an existing cooling unit from another building to make room for a modern one with heat recovery.
- FFUs (Filter Fan Units) have been replaced for many years around 120 units per year out of a total of approx. 1,500 units. The new FFUs are significantly more energy-efficient.
- Our fans are designed for a certain volume flow. However, in combination with many fans, usually not quite as much power is needed. Therefore, we regulate the speed of our motors with frequency converters. This allows them, for example, to be regulated to 20 percent instead of 100 percent power, i.e. they are operated at the optimum operating point, at perfect efficiency. This applies to all kinds of motors, from cooling units to fans. Especially in the case of large motors, considerable savings are possible. The fans achieve both an energy reduction and an extension of their service life.

Air emissions

- Ongoing investment in environmental technology (dust filters)
- Validation of exhaust air measurement technology
- Expansion of the exhaust air register
- Separation of acidic and alkaline exhaust air to reduce dust emissions

Consumption of resources

- Large volumes of solvents continue to be recycled.
- On-site production of low-concentration chemicals and solutions from concentrates
- DMF is now routinely recycled and PGMEA consumption has been further reduced as a result of optimization measures
- A large proportion of the processed precious metals (gold, silver, platinum) do not remain directly on the products, but end up in process chambers, metal parts, broken wafers, cleaning cloths, etc. Nevertheless, it is possible to collect and recycle them at a rate of about 95 percent. This way, the pure precious metals end up back in the cycle.
- During the course of the cafeteria's initial $\mathrm{CO_2}$ e quantification, it was determined that menu changes resulted in the total amount of meat consumed in 2022 being more than five tons less than in 2018, despite a significant increase in the number of employees during that time. This corresponds to a $\mathrm{CO_2}$ reduction of more than 22 tons per year.
- The digitalization of the cleaning systems means that we are now even more efficient in terms of natural gas, electricity and hydrogen. The current process provides more precise data, which means that the treatment medium required for cleaning can be used in a more targeted manner. As a result, these systems can achieve huge savings of 20-30 %.

Waste

- Main components of non-hazardous waste are sent to recycling.
- Continuation of optimized transport logistics by means of reusable shuttle packaging for the transport of sawn wafers (six, eight and twelve inches)

Land use	 In the course of the site expansion, reforestation projects, wet meadows and a biotope that also add value in terms of biodiversity are supported as an alternative to land use.
Waste water	- Adaptation and expansion of waste water treatment system to meet operational requirements and make use of state-of-the-art technology
Noise	- Continue and continuously update noise emissions log
Transport/mobility	 Implementation of a site-specific traffic concept to optimize internal transport logistics and increase traffic safety
	 New bus connections to the city center and the main railway station at 15-minute intervals New bus connections directly to Infineon from surrounding regions
	 Ongoing cooperation with the City of Villach and the State of Carinthia regarding the further expansion of public transport
	 Infineon "Job ticket" – free annual public transport pass for employees and temporary workers
	– Extension to the climate ticket that may also be used for private purposes
	 E-mobility: Expansion of e-charging stations as part of a cross-site concept

Other measures with an additional cross-divisional impact:

Legal compliance	– Maintenance of a legal database
	– Continued consolidation
	– Enhanced safety concepts (VEXAT, ADR, radiation/laser protection, Seveso)
HR Measures	– Virtual training and hence fewer business trips
	 Expansion of virtual job interviews and increased use for the future (after COVID crisis) Green merchandise: sustainable and target group-oriented giveaways (e.g. beeswax towels, vegetable chips, etc.)
	 E-HR: digital job descriptions and promotion letters, as well as a digital personnel file in the future
	– Infineon New Work: Group-wide project for modern and flexible work design that takes
	organizational and individual needs into account.
IT Measures	– Toner savings (default b/w)
	 Paper consumption reduced: Default setting "double-sided" reduced the share of
	single-sided print jobs from around 70 percent to 30 percent. This saves an average of 10,000 sheets of paper per week.
	 The "Ö3 Wundertüte" campaign was promoted within the company and supported with collection points. 350 cell phones were collected. Depending on the condition of the devices, they will be refurbished, resold to generate revenue for donations, or recycled, allowing important raw materials to be returned to production as part of the circular economy.
Next Level of	– Is a cross-site project with the aim of continuously increasing productivity.
Productivity	 The original purpose of evaluating all issues in terms of cost efficiency was extended to include energy efficiency and CO₂ savings.

Glossary

Explanation of Terms

Audit	Systematic and documented verification process within the company to identify and evaluate data and processes
Back-end production	This is where chip separation, testing and encapsulation take place.
BDG	The solvent butyl diglycol
Clean room	Used for the production and inspection of micro-mechanical and electronic components and systems subject to particular requirements, e.g. particle-free environments
Class 1 clean room	Class 1 is the highest grade of clean room; i.e. with the lowest maximum permitted particle concentration. Maximum permissible concentration (particles/m³) is equal to or lower than 10 (\geq 0,1 μ m)
Climate ticket	In Austria, the climate ticket allows the use of all scheduled transport services (public and private railways, urban transport and transport associations) in a given area: regional, supraregional and nationwide.
СМР	Chemical-Mechanical Polishing
CO ₂ equivalent (CO ₂ e)	${\rm CO_2}$ = the chemical formula for carbon dioxide; as different greenhouse gases have different climatic impacts, a common unit is needed to compare them. This unit is referred to as a ${\rm CO_2}$ equivalent and is calculated based on the amount of emissions of a particular gas multiplied by its climatic impact factor
СР	Cyclopentanone = an organic solvent
DI water (fully demineralized water)	Deionized water, ultrapure water
DMF	The solvent dimethyl formamide
DRO	Disaster Response Organization
ECD production line	Electro Chemical Deposition (electrochemical metallization), production line for wafer processing
EMAS	Eco Management and Audit Scheme (eco-auditing system of the European Union)
EMAS-III-VO	Legally binding regulation for EMAS organizations, which was extended in 2018 to include Annexes 1–3 – Annexes I–III of which were updated in 2017 and Annex IV in 2018
E-mobility	Promotion of energy-efficient electric and hybrid vehicles and expansion of the electric charging infrastructure
Environment (according to ISO 14001)	The surroundings in which the company or parts thereof are active; including among others: air, water, land and other natural resources, people and nature as well as their mutual interactions
Environmental aspects	The elements of a company's activities, products or services etc. or its sub-areas, which interact or might interact with the environment

Environmental statement	A document by which a company's sites certified under Regulation (EC) No. 1221/2009 communicate the activities performed, environmentally-relevant objectives, environment-related services, environmental impacts, etc. to the public on a regular basis
Environmental management system (according to ISO 14001)	Part of the company's management system. The environmental management system includes the organization, planning activities, methods, procedures, processes and resources which are necessary for the development, implementation and fulfillment of the environmental policy, as well as for its evaluation and continued maintenance
EPI scrubbers	Are exhaust air scrubbers for semiconductor manufacturing, which are used in the epitaxy process
Epitaxy	Means the deposition of one layer on top of another, where the resulting layer takes on the crystal structure of the substrate
ESH	Environment, Safety & Health
ESIA	European Semiconductor Industry Association
Front-end production	Processing of wafers carried out in the clean room. The main processing steps include exposure, ion implantation and the application of metallization layers
Hazardous material	Materials or mixtures with one or more of the following hazardous properties: risk of explosion, oxidizing, highly or easily flammable, combustible, toxic, very toxic, detrimental to health, caustic, irritating, sensitizing, carcinogenic, toxic to reproduction, mutagenic or chronically harmful in some other way, pathogenic, hazardous to the environment
IMPRES	Infineon Integrated Management Program for Environment, Energy, Safety and Health
ISO 14001:2015	To support companies in establishing and expanding in-house environmental management systems, the International Organization for Standardization (ISO) developed the ISO 14001 standard, which is recognized worldwide. It was most recently updated in 2015. The ISO 45001 replaces the Occupational Health and Safety Assessment Series (OHSAS 18001)
ISO 50001:2018	A globally recognized standard published by the International Organization for Standardization (ISO), which is intended to help organizations and companies establish comprehensive energy management systems; certification can also serve as proof that an energy management system complies with the standard
IT	Information Technology – comprises all the methods, concepts and technologies for the processing, storage, transmission and provision of access to information and data
LC (Legal compliance)	Ensuring legal certainty
Legacy fab	Existing production at the Infineon site in Villach, excluding the new chip factory completed in 2021
Matrix certification	Certificate listing all units/sites of a company which have been certified by an assessor
MSC	Medical Service Center at Infineon
NMP	The solvent N-methyl-2-pyrrolidone
One-Virtual Fab	Includes the digital networking of multiple production sites to form a production network.
PFC	Perfluorinated compounds
PFD	Infineon's plant fire department in Villach

PGMEA	The solvent propylene glycol monomethyl ether acetate
Production volume	Produced wafer area in cm ² silicon surface area
Power semi- conductors	Are semiconductor components specially designed for switching and controlling high currents and voltages (more than 1 ampere and voltages of more than approx. 24 volts)
Ramp-up	Refers to the start-up phase of a new production facility or production line, during which the equipment and systems are adjusted and adapted to production volumes and series production.
Rollout	Refers to the replacement of equipment and production systems
Scope 1, Scope 2, Scope 3	The Green House Gas Protocol Corporate Standard categorizes the greenhouse gas emissions associated with a company's carbon footprint. Scope 1 emissions are those directly caused by the company (e.g. PFCs). Scope 2 emissions are those caused indirectly by the company through purchased energy (e.g. district heating, electricity), and Scope 3 emissions are indirect emissions within the value chain.
Semiconductor	A crystalline material which displays electronic conductivity between that of "conductors" and "non-conductors". A semiconductor's electronic conductivity increases at higher temperatures. Some examples of semiconductors are silicon and germanium; the term is also used for integrated circuits made with these materials
Seveso III Directive	EU Directive 2012/18/EU for the prevention of industrial accidents
Slurries	Suspensions of solids, sometimes with chemical additives, used in the CMP process
State-of-the-art	The development status of advanced procedures, facilities or modes of operation which ensures the practical suitability of a measure for the protection of health, safeguarding the employee and limiting environmental damage. When determining the state of the art, particular attention should be paid to comparable procedures, facilities and modes of operation that have been successfully tested in practical operations
Vendor performance review (VPR)	Regular interaction with business partners regarding quality, purchasing and ES topics
VOC (Volatile organic compounds)	Refers to the group of volatile organic compounds. This includes gaseous and vaporous substances of organic origin in the air, such as hydrocarbons, alcohols, aldehydes and organic acids
Wafers	A disk made of a semiconductor material (e.g. silicon) with a diameter of up to 300 millimeters; in integrated circuit production, the wafer is sliced from a single crystal boule and serves as the carrier material for integrated circuits
wcc	Waste collection center
WSC	World Semiconductor Council
YIP	"Your Idea Pays"; internal company scheme for suggestions for improvement

Measurement Units

g, mg	Grams, milligrams
GJ	Gigajoule
GWh	Gigawatt hours
kg	Kilograms
kg/d	Kilograms per day
kWh	Kilowatt hours
kWh/cm²	Kilowatt hour (consumption) per square centimeter (silicon surface area)
l	Liters
l/cm²	Liters (consumption) per square centime- ter (silicon surface area)
m², cm²	Square meter, square centimeter
m³	Cubic meter
mg/l	Milligrams per liter
MWh	Megawatt-hours
Nkm³	Standard cubic kilometer (1 Nkm ³ = 10 to the power of 9 Nm ³)
Nm³	Standard cubic meter
nm	Nanometer
t	Ton

Declaration of validity



Gültigkeitserklärung

Die ETA Umweltmanagement GmbH als akkreditierte EMAS-Umweltgutachterorganisation mit der Registernummer AT-V-0001 bestätigt, dass die Infineon Technologies Austria AG, mit dem Standort Siemensstraße 2, A-9500 Villach wie in dieser Umwelterklärung 2023 dargestellt, alle Anforderungen der Verordnung (EG) Nr. 1221/2009 des Europäischen Parlaments und des Rates vom 25. November 2009 über die freiwillige Teilnahme von Organisationen an einem Gemeinschaftssystem für Umweltmanagement und Umweltbetriebsprüfung (EMAS) in der Fassung der Verordnung (EU) Nr. 1505/2017 um Nr. 2026/2018 erfüllt.

Es wird bestätigt, dass

- die Begutachtung und Validierung in voller Übereinstimmung mit den Anforderungen der Verordnung (EG) Nr. 1221/2009 in der Fassung der Verordnung (EU) Nr. 1505/2017 und Nr. 2026/2018 durchgeführt wurde,
- keine Belege für die Nichteinhaltung der geltenden Umweltvorschriften vorliegen,
- die Daten und Angaben der aktualisierten Umwelterklärung ein verlässliches, glaubhaftes und wahrheitsgetreues Bild sämtlicher Tätigkeiten der Organisation geben.

Die nächste konsolidierte Umwelterklärung wird im Jahr 2025 publiziert. Jährlich wird eine für gültig erklärte, aktualisierte Umwelterklärung veröffentlicht.

Diese Erklärung kann nicht mit einer EMAS-Registrierung gleichgesetzt werden.

Die EMAS-Registrierung kann nur durch eine zuständige Stelle gemäß Verordnung (EG)
Nr. 1221/2009 in der Fassung der Verordnung (EU) Nr. 1505/2017 und Nr. 2026/2018 erfolgen.

Diese Erklärung darf nicht als eigenständige Grundlage für die Unterrichtung der Öffentlichkeit verwendet werden.

Wien, am 09.06.2023



Dipl.-Ing. Manfred MÜHLRERGER Leitender Umweltgutachter

Date of the Next Environmental Statement

The next Environmental Statement will be an updated Environmental Statement and will be published in May 2024.

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Driving decarbonization and digitalization. Together.

Semiconductors are critical to solving today's challenges and shaping the digital transformation. That is why Infineon is actively committed to decarbonization and digitalization. As the world's leading semiconductor manufacturer for energy systems and the Internet of Things, we enable breakthrough solutions for green

and efficient energy, clean and safe mobility, and the smart and secure Internet of Things. We make life easier, safer and greener. Together with our customers and partners. For a better future.





Special thanks go to all our employees who contribute to the future viability and sustainability of Infineon.

As representatives for so many, the photo shows from left to right: Natalie Kuchling (Director Environment & Safety)
• Florian Haas (Senior Director Business Continuity & Compliance) • Petra Darnhofer (Senior Director Procurement) •
Horst Mitterberger (Director Real Estate Management) • Matthias Felsberger (Manager Sustainability & Corporate Social Responsibility) • Monika Kowald (Manager Direct Production Support) • Christian Kandutsch (Manager Vacuum Abatement) • Michael Eder (Director Real Estate Planning) • Rainer Czetina (Principal Engineer Facility Systems) • Richard Kienberger (Head of Occupational Safety) •



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