



Shaping challenging times sustainably

Updated Environmental Statement 2020
Infineon Technologies Austria, Villach site

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A holistic approach to sustainability

“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 the entire corporate culture.

This updated Environmental Statement 2020 includes all guiding principles, data and measures related to environmental management at the Villach site. The reporting period covers the 2020 fiscal year – from 1 October 2019 to 30 September 2020.

Preface by the Board of Infineon Technologies Austria AG

Shaping challenging times sustainably

Digital transformation is changing our world, and the coronavirus pandemic has accelerated this development on many levels. We are all experiencing first-hand what technology can make possible: We increasingly communicate via online platforms – whether at work, in school or with friends and family. Streaming services, online shopping and contactless payments are booming. The massive need for medical equipment or the supply of energy and technical infrastructure are secured by technology.

At the same time, digitalization is an essential key to greater sustainability, in order to achieve more with fewer resources and to reduce CO₂ emissions. Products made by Infineon make an important contribution to this development. They lower energy consumption and allow for environmentally friendly mobility as well as the efficient generation of solar and wind energy.

With these energy-efficient semiconductor solutions, we help overcome global challenges. To this end, we continue to advance our company even in difficult times: Our new chip factory in Villach will go into operation in late summer 2021 and is a strategic investment to meet the growing global demand for energy-saving chips. And we invest in our innovative strength, as is demonstrated by the new research buildings in Graz, Linz and Villach, which we moved into in 2020.

Already today, Infineon is one of the most sustainable semiconductor producers in the world. With the goal of achieving CO₂ neutrality by the year 2030, the Infineon Group is reinforcing this ambition and making its contribution to the implementation of the Paris Climate Targets and the European Green Deal. Based on this, we are currently implementing numerous activities at our Villach site. We want to create a sustainable future with both our actions and our products. Our employees make a special contribution to achieving this goal with their commitment and willingness to constantly develop and learn.

With this Environmental Statement, we offer you insights into our guiding principles, our measures and what we have achieved to date. But also into all that we still intend to do. We invite you to find out more.



Sabine Herlitschka Oliver Heinrich Thomas Reisinger



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)



“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.”



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.

New chip factory for energy-saving chips in Villach

In 2018, the largest private investment in Austria in decades as well as within the industry in all of Europe was launched: Infineon is investing around € 1.6 billion in the construction of a new, fully automated chip factory for 300-millimeter thin wafers. This is a strategic investment to meet the growing global demand for power electronics for electric vehicles, power generation from renewable energy sources, computer centers and networked devices. This will strengthen the site as well as the entire region for many years to come and make it globally competitive. Currently, installation work is underway in the interior of the 60,000 m² building, and the first systems are being commissioned. Production is scheduled to start in late summer 2021.



1.6 billion
euro investment
in the new
chip factory

Investments in the Future

New chip factory focuses on energy efficiency and sustainability

- › Investment in intelligent cooling/heating system recycling and therefore future avoidance of CO₂ emissions of around 20,000 tons CO₂/year* (extrapolated)
- › Use of state-of-the-art cooling technology with the latest refrigerants
- › Installation of state-of-the-art exhaust air purification systems for efficient emission prevention



Scan the QR code to follow our site expansion in real time
www.infineon.com/expansion

*according to subsidy notice KPC
(Kommunalkredit Public Consulting)



New R&D building in Villach

In the fall of 2020, we moved into the R&D building. It offers 21,000 m² of space for offices as well as state-of-the-art laboratory and measurement technology areas, which were previously spread across several buildings. Consolidating these in one place yields improvements through equipment synergies, shorter distances and a massive reduction in logistical expenses. The research team on site is working on solutions for the automotive sector (for example e-mobility) as well as for industrial semiconductor applications.

The heat supply for the new R&D building comes almost entirely from heat recovery and the use of the factory's cooling energy.



High-tech jobs in Austria

The expansion in Villach will create 400 additional jobs in the new chip factory as well as 350 more in the new R&D building. The new R&D buildings in Graz and Linz provide space for an additional 290 and 220 research positions, respectively. As a result, Infineon will be creating around 1,260 high-tech jobs in Austria in the medium term. More than 50 % of these have already been filled.



1,260
additional highly
qualified jobs in
Austria, of which
750
in Villach

"Digital twin" for an energy-efficient indoor climate

The new R&D building in Villach is a use case for what is currently the largest EU digitalization project, "Arrowhead Tools". Parts of the building are accompanied by a virtual simulation – a so-called "digital twin". It maps all important control variables of the building technology such as heating, temperature, air conditioning, humidity or power consumption and links them to the current weather and usage data. The goal is to further increase energy efficiency in the future and to ensure an ideal indoor climate.

The project will continue until 2022.



Infrastructure & mobility

- › Opening of the parking garage in 2019 with nine floors and 924 parking spaces
- › Relocation to the new plant fire department in 2020
- › New 110/20 kV building for safe power supply
- › Opening of the Infineonstraße with roundabouts and protective measures for environment by the City of Villach in 2020
- › Since 2016: Infineon mobility program "Green Way" (see "Environment and climate")

Green hydrogen used twice for production and mobility

An integral part of the new chip factory will be the local production of hydrogen from renewable energy sources. To this end, an electrolysis plant will be installed in 2022 in collaboration with industry and science. In line with the concept of intelligent closed loop recycling, it is planned to upgrade the hydrogen after its use in semiconductor production and make it suitable for powering buses.



New research buildings in Graz and Linz

We moved into the new R&D buildings in Linz and Graz in 2020. In Linz, work focuses on the development of high-frequency components for driver assistance systems and mobile communications applications; in Graz, our efforts are centered on contactless, security and sensor applications. Infineon is a tenant in both buildings.



Linz

Graz



Industry 4.0 and energy efficiency

Energy efficiency projects have been implemented at the Villach site since 2009 in order to use digital networking of plants, processes and systems to create a self-learning factory that reduces energy consumption, increases efficiency and quality, and optimizes the use of resources. Existing buildings and infrastructure systems are equipped with smart sensors, control devices and smart meters to achieve a precise adjustment of energy consumption to the respective production capacity utilization. Energy-saving LED lighting as well as intelligent heat recovery contribute to energy efficiency and the conservation of resources. Since 2013, a total of around 52 GWh of heat and electricity have been saved through energy efficiency measures. This translates to savings of around 12,000 tons of CO₂.



Approximately **80 %** of the site's heat requirements are covered by intelligent recycling of waste heat from the production cooling systems.



Green compensation with enhancement
Due to the expansions at the Villach site, high-quality reforestation was carried out in coordination with the forestry authorities as a compensation for an area of 25,000 m². Biologically diverse mixed forests were planted in the region.

Our Contribution to the Environment and Climate

Infineon – one of the most sustainable semiconductor companies

For the eleventh time in a row, the Infineon Group is listed in the top group of the world's most sustainable companies in the Dow Jones Sustainability™ World Index and the Dow Jones Sustainability™ Europe Index.

Sustainability by conviction

Since 1997, Infineon Austria has voluntarily committed itself to EMAS (Eco-Management and Audit Scheme) by the European Union and participates in the international environmental management standard ISO 14001. In addition, the Group has been supporting the achievement of the United Nations' global Sustainable Development Goals (SDGs).



100 %
Green electricity
with guarantee
of origin

Since 2013, Infineon Austria has been exclusively using electricity from renewable sources. In 2020, this avoided around 60,000 tons of CO₂ emissions.

For the Infineon Group, less is more



-53 %
less electricity



-31 %
less water



-66 %
less waste

per cm² wafer produced, as compared to the global average

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 have been audited by KPMG and relate to the fiscal year 2019/20.

CO₂ neutrality by 2030

The Infineon Group has the goal of becoming CO₂ neutral by 2030 and already reducing emissions by 70 percent against 2019 by 2025. Our approach:

- › Avoidance of direct emissions and continuous improvement of energy efficiency
- › Purchase of green electricity with guarantee of origin
- › Offsetting the smallest part through certificates that combine development aid with the avoidance of CO₂ emissions



Infineon "Green Way" – ensuring green mobility

Corporate mobility program for employees through:

- › Promotion of cycling and the network of bicycle paths
- › Additional and secure bicycle parking spaces
- › Designated carpool parking spaces
- › Electric cars for business trips and site logistics
- › Expansion of the e-charging infrastructure
- › "Job ticket" – free travel to work on public transport

IT recycling and upcycling

Since 2014, Infineon has been cooperating with AfB "Arbeit für Menschen mit Behinderung" (www.afb-group.at), to give used IT equipment a second life. In 2020, 1,957 IT devices (notebooks, PCs, monitors, printers) and mobile devices were provided and refurbished by Infineon. This created two positions for persons with disabilities. The results in terms of resource conservation show a savings potential of:

- › Iron equivalent – 183,211 kg
- › Energy – 912,116 kWh
- › CO₂ – 232,399 kg

Infineon Austria's CO₂ balance

Over their useful life, the energy-saving chips produced in Villach in the fiscal year 2020 will save around 9.1 million tons of CO₂ equivalents. This exceeds the emissions from production by a factor of 81. Infineon Austria makes important contributions to these goals – today and in the future.



CO₂ burden¹:
approx. 0.11
million tons CO₂
equivalent

**Production of
8.45 billion chips
(FY 2020)**

**Ratio of
approx. 1:81**

**Net ecological
benefit:**
CO₂ reduction by
approx. 9 million
tons



CO₂ savings²:
approx. 9.1 million
tons CO₂
equivalent

This balance is based on the Sustainability Report 2020 of Infineon Technologies AG, audited by KPMG, www.infineon.com/sustainability. 1) This figure factors in manufacturing, transportation, company vehicles, flights, raw, auxiliary and operational materials, chemicals, water/waste water, direct emissions, energy consumption, waste, etc. and is based on internally collected data and publicly available conversion factors. All data relate to the fiscal year 2020 at Infineon Technologies Austria AG. 2) This figure is calculated using internally established criteria. It relates to the calendar year 2020 and is determined for the following areas: Automotive, LED, induction devices, servers, renewable energy (wind, photovoltaic), mobile phone chargers and drives. The CO₂ savings calculations are based on the savings potential of technologies in which semiconductors are used.

Our Contribution to the Region and Society

50 Years **Infiniteon** in Austria



Education fund with Caritas Carinthia

Infiniteon supports the Caritas Carinthia education fund with 60,000 euros. In learning cafés, socially disadvantaged children and young people from the region receive free after-noon care with school support. Attendance at kindergarten and after-school care as well as participation in school events is also made possible.

So far, 80 young people from the region have received support and sponsorship through the Infiniteon Education Fund.

Inspiring a passion for technology

Infiniteon Austria wants to inspire a passion for technology for young and old alike and uses a variety of initiatives (e.g. Girls Day, Women in Data Science) to raise awareness for the natural sciences and technology. Since 2014, it has succeeded in reaching more than 65,000 children, teenagers and students throughout Austria in this way.



Welcome2Villach

Together with industry and tourism, Infiniteon supports the Welcome2Villach.at platform to present Villach as a business and residential location for skilled workers from all over the world. As one of the initiators and supporters, we also see the Carinthian International Club (CIC) as a valuable contribution to a living culture of welcome.



536
million euros

Infiniteon's total purchasing volume in 2020, of which 217 million in Austria and 138 million in Carinthia.



Regionally sourced

The company's canteen also focuses on sustainability: About 70 percent of the food is purchased locally and seasonally, and during the remodel the kitchen was equipped with state-of-the-art commercial kitchen appliances to improve energy efficiency.

Ongoing dialog with the region

Since 2020, the regular Infiniteon newsletter delivered to around 3,500 households in our neighborhood by mail has supplemented the 24/7 online presence www.infineon.com/austria.



High-tech region Villach and Carinthia

50 years ago, Infiniteon started out with 24 employees as an extended workbench. Today, the Villach site combines production, research & development as well as global business responsibility. With over 4,500 employees from 70 nations, Infiniteon is a digital pioneer and the most research-focused company in Austria. The region, too, has grown – with the University of Applied Sciences, research centers, the Silicon Alps cluster and the establishment of highly specialized partners. One job at Infiniteon creates three more in the surrounding area. The region has the highest proportion of high-tech employees in Austria.



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Research collaborations at regional, national and international levels

Knowledge and technology transfer

- › Infiniteon Austria supports six endowed professorships in Austria.
- › PhD Excellence Program: Support and funding for 78 doctoral theses in 2020.
- › With the "Ihub" Infiniteon offers a networking and working space for science, business and industry at the Vienna University of Technology.
- › Infiniteon "Smart Learning Classes" combine digital skills with practical experience at five polytechnic colleges in Carinthia.

Laptop donations for distance learning

During the COVID crisis, students and apprentices were supported with laptops for distance learning. Together with the non-profit organization AfB, the Infiniteon laptops were made available in the shortest time possible. In total, more than 160 laptops were provided – including in cooperation with the City of Villach.



Cooperation with kindergartens and schools

- › In cooperation with Sonnenstrahl GmbH, the International Daycare Center (IDC) in Villach offers 190 daycare places for children aged one to six years at two locations. The educational concept is bilingual, focuses on science experiments and offers few closed days as well as flexible and long opening hours.
- › Initiation and support of the International School Carinthia (ISC) in Velden. Currently, 336 children from over 30 nations attend this private, English-speaking all-day school.



“berufundfamilie” (career and family) audit

Just how much value Infineon Austria attaches to the reconcilability of career and family is highlighted by the “berufundfamilie” audit. This federal quality seal and the regular inspections confirm the path taken by the family-friendly company.

Infineon as an employer

With their motivation, flexibility and technical expertise, our employees contribute significantly to the company’s success. This makes it all the more essential for Infineon Austria to offer an attractive working environment – Infineon implements numerous initiatives and activities for this purpose. These include 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 **27 %** international employees

Diversity as a success factor

Internationality, generational management and commitment to women in technology – Infineon harnesses the potential of diversity for better decisions, more innovation and stronger commitment.



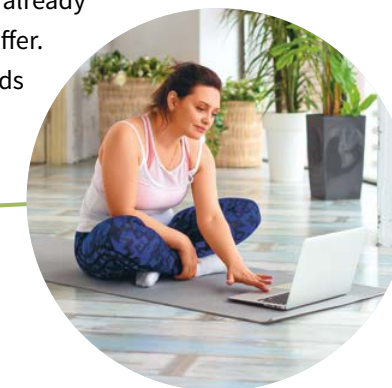
Apprenticeship and integration

Over the past 45 years, more than 600 apprentices have been trained at Infineon to become skilled workers. Currently, 79 young people are completing an apprenticeship; around a quarter of them are young women. The “Lehre mit Asyl” (“Apprenticeship with Asylum”) project was launched in 2016 on the initiative of Infineon and offers integration into the labor market to counteract the shortage of skilled workers. Seven apprentices are currently completing this model – three already completed their apprenticeship.



Health to go – “health2go”

Infineon’s digital health offering “health2go” allows all employees to access fitness courses, lectures, workshops and live-streams with just one click – no matter where they are. More than 1700 Infineon employees already take advantage of the “health2go” offer. This project is supported by the Fonds Gesundes Österreich. www.fgoe.org



Time for safety:

- › Ongoing training and safety-related training as well as targeted awareness raising
- › The pillars of our operational safety management system: Disaster Response Organization (DRO), plant fire department and company medical service.



Sustainable flashes of inspiration

Under the employee suggestion scheme “Your Idea Pays” (YIP), a total of 57 implemented suggestions on the topic of energy, efficiency and e-mobility and 121 suggestions on the topic of occupational safety, health protection and environmental protection were submitted in 2020.

Certified promotion of health in the workplace

With “Health & Care”, Infineon Austria offers competent contact persons for questions regarding health as well as occupational and preventive medical topics at all sites. In Villach, medical care is provided by the Medical Service Center, which is managed by two physicians as well as two qualified health care professionals. In addition, the “Health Team” is dedicated to occupational health management and offers preventive health care, fitness courses or even training in the area of stress management and burnout prevention. There is also the option of external psychological counseling – anonymously and free of charge. Infineon was once again awarded the quality seal for workplace health promotion (Betriebliche Gesundheitsförderung, BGF) for this holistic program.



Our Contribution to the Company and Employees



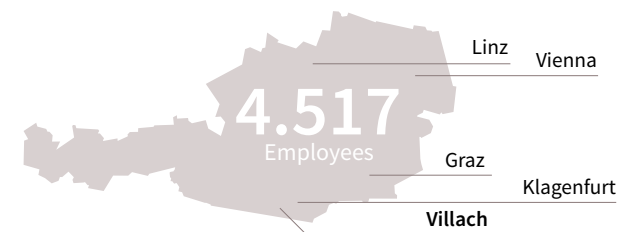
The company

Infineon Technologies Austria

Infineon Technologies Austria AG is a subsidiary of Infineon Technologies AG. The Group is a world leader in semiconductor solutions that make life easier, safer and greener. Research and development, production and global business responsibility – this effective combination is what truly distinguishes Infineon in Austria.

More than 4,500 employees from 70 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.

Infineon sites in Austria



The Austrian head office is in Villach, further branches are located in Graz, Klagenfurt, Linz and Vienna. The main site in Villach combines research and production with global business responsibility for twelve production lines from three divisions. 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. Whether in vehicles, trains, smartphones, refrigerators, contactless payment, ID cards, LED lighting, computer centers, solar and wind power generation, robots or industrial plants – Infineon Austria’s expertise can be found in many applications around the globe.



Infineon Technologies AG		
Sales	€ 8,567 million	+ 7 %
Employees throughout the Group	46,700	

Infineon Technologies Austria Group		
Sales	€ 3,108.7 million	
Earnings before tax	€ 196.2 million	-36 %*
Total investments	€ 386.1 million	+25 %*
Total employees	4,517	-2 %*
Proportion of women overall	18.4 %	
Employees in R&D	1,960	
Employees in product and process development and quality assurance	537	
Additional permanent external employees via third companies	approx. 2,100	
Degree candidates and doctoral students	185	
Apprentices	79	
Interns and vacation/industrial placements	1,041	

Infineon at a Glance

Facts and figures 2019/20

Research and Development		
R&D Expenditure	€ 498 million	-5 %*
R&D Expenditure as a percentage of sales	16 %	
Initial patent applications	191	

Production	
Products (basic types)	approx. 1,800
Production volume	8.45 billion chips
Audits and customer visits	8

* Compared to the fiscal year 2018/19.
 ** Aggregated values fiscal year 2019/20, as of September 30, 2020, including domestic shareholdings.

The Guideline for Sustainable Growth

As a semiconductor company with global operations, Infineon connects the real world with the digital world, providing technologies that achieve more, consume less and are accessible to everyone. In this way, we do our share in harnessing the opportunities offered by digitalization for sustainable development: for efficient energy management, environmentally-friendly mobility, and safe operations in a networked world.

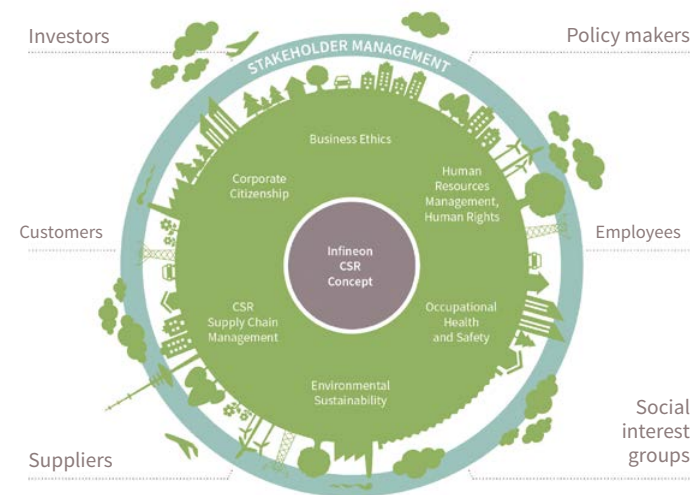
With its own “SMART Growth” strategy, Infineon Austria pursues the goals of being globally competitive from Austria, contributing to the Group’s success and sustainably strengthening the region. The strategy of intelligent growth builds on Infineon Austria’s technological strengths, on innovation, creativity 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 cost competitiveness.
- ... globally attract and develop the best talents.

Our commitment is based on compliance with applicable legal regulations, the principles of the United Nations Global Compact (UNGC) and the concept of sustainability – the combination of economy, ecology and social commitment. Infineon’s sustainability strategy – Corporate Social Responsibility (CSR) – encompasses voluntary responsibility towards local and international communities and is based on the four areas of education for future generations, local and social affairs, environmental sustainability, and relief after natural and humanitarian disasters.

Infineon’s CSR concept



A detailed list of all stakeholders can be found at:
www.infineon.com/sustainability

The Infineon Site in Villach

At the Villach site, activities focus on the development and production of power semiconductors, 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 Villach team is working on ever more powerful and energy-efficient chips.

Infineon Austria employs about 3,900 people in Carinthia (of whom about 3,700 are employed at Villach). This makes the company the largest private employer in the region. What began in 1970, around 50 years ago, as an extended workbench with some 24 employees has developed over the years into the headquarters in Austria and a strong

competence center within the Group. Today, the site pools competencies for production and research and development with global business responsibility.

Since 1997, Infineon Austria has been the Group’s global competence center for power electronics, manufacturing primarily for automotive and industrial electronics applications. Since 2017, Villach has also been home to the global competence center for new semiconductor materials (silicon-carbide and gallium nitride) that convert electricity even more efficiently. Applications in this area focus primarily on solar energy and wind power, rapid e-car charging stations, and the mobile infrastructure for 5G networks.



Leading factory for innovative semiconductors

The Villach site serves as front-end production network, with partner factories in Germany and Malaysia. In the fiscal year 2020, around 8.45 billion power semiconductors were produced on silicon discs called wafers in Villach. The wafers are manufactured and tested in about 1,000 individual steps involving various technologies and complexities. In total, the clean room produces approximately 1,800 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 state-of-the-art automation, digitalization and production concepts.

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. A 300-millimeter wafer allows the production of more than twice as many chips in one production run as a 200-millimeter wafer. In addition, the Villach innovation factory joins Infineon Dresden to form an identical production environment at two locations as “One Virtual Fab”. As part of a cross-site integrated production system, processes, workflows and machinery are interconnected in order to become more efficient, resource-friendly, faster and also more competitive.

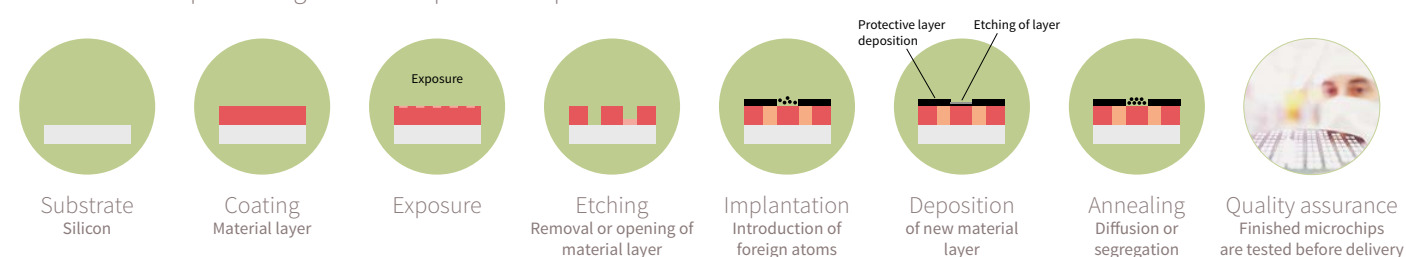
Industry 4.0

Manufacturing is supported by the integrated and knowledge-intensive Industry 4.0 production. Plants, processes and systems are integrated with each other in order to obtain, analyze and link data and achieve further improvements. Infineon in Villach is a frontrunner in Industry 4.0 and seizes the opportunity to improve productivity, energy and resource efficiency, flexibility as well as quality and at the same time implement innovations faster. In order to optimize processes along the entire value chain, development and manufacturing are interlinked, development processes are accelerated, and prediction accuracy and decision-making quality are increased, resulting in enhanced productivity and energy efficiency. Suppliers and other sites will be increasingly integrated into the overall process.

Investment in the future

Demand for semiconductors is increasing worldwide. That is why Infineon invested in the expansion of its production capacities at an early stage. The new 300-millimeter chip factory currently under construction strengthens Infineon’s globally leading expertise in power semiconductors and lays the foundation for long-term, intelligent growth. It is the largest private investment in Austria in decades as well as the largest within the industry in Europe. The fully automated chip factory will go into operation in 2021. We already moved into the new R&D center in Villach in the fall of 2020. The new building combines the instrumentation and laboratory areas, which were previously spread across several buildings, and offers major efficiency gains through equipment synergies as well as shorter logistical paths. The researchers there work mainly on future solutions for the automotive sector, such as electromobility, as well as for various industrial applications.

Semiconductor processing: schematic process steps



Work steps repeated depending on chip

Scan the QR code and discover how a chip is made.



8.45 billion chips produced (FY 2020)

around 1,500 items of equipment

wafer diameters: 150 mm, 200 mm and 300 mm

Innovation Factory Villach

IMPRES

Our Environmental Management System

Infineon views sustainability as a combination of social, ecological and economic responsibilities. Cost-effective activities, health protection, workplace safety, environmental protection, energy efficiency, climate protection and social responsibility are mutually compatible principles and goals, which we implement and strive to fulfill.

Infineon's global management system IMPRES integrates the topics of environmental protection, occupational safety, health and energy into all Group processes and thereby aims at establishing a uniform global minimum 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 audits as part of a matrix certification process and confirm a uniform global standard.

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 environment 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.

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.

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.

Legal compliance

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

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 EMAS environmental management 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 also produced specifically for individual sites. 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 "Head of Sustainability".

At the Villach site, IMPRES is regularly reviewed via both internal and external audits as well as inspections. The management system is regularly evaluated as part of a management review, in order to continuously improve and analyze activities. Companies are faced with an increasingly dynamic and complex environment. If we are to satisfy our customers' expectations and meet other obligations in this environment, we must continue to develop our integrated management system.

Compliance with Statutory Environmental Provisions

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

- › the legal provisions laid out in the approximately 160 relevant laws, as well as 1,200 resulting legal obligations or requirements,
- › approximately 2,200 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 a 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 (deadline for Legal Compliance Check on January 15, 2021), but also on an ongoing basis with the individual persons responsible.

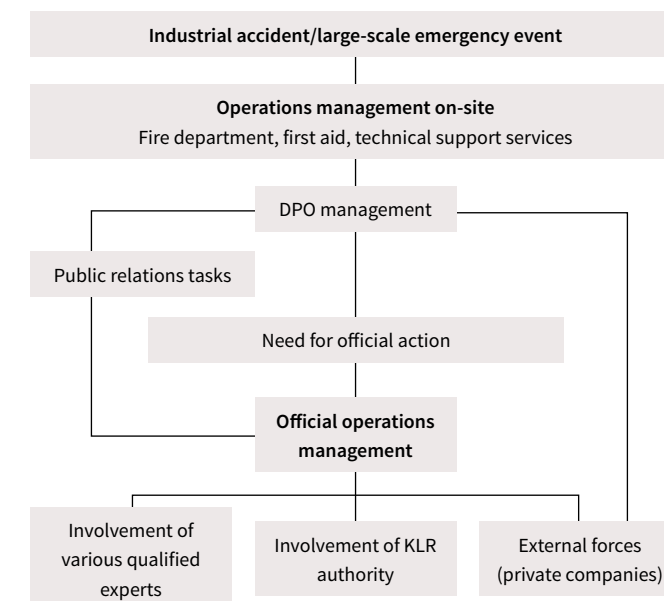
Emergency Precautions and Emergency Management

As a Seveso 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 ongoing 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 three full-time employees and 133 volunteer members, distributed across six firefighting teams, who are highly trained for any anticipated operational scenario. Four specially equipped vehicles are available and ready to go into action in the shortest possible time. In order to be prepared for all future responsibilities at the Villach site, a new fire station was inaugurated in 2020. It 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 (DRO) will be deployed. Specially-trained crisis managers with managerial authority are constantly available via the Security Control Center (SCC), which was redesigned in 2019, 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 over 50 specially trained company paramedics and over 370 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 internal exercises.



The **coronavirus** pandemic and the extensive containment measures also create new kinds of challenges for Infineon. Infineon accepted its responsibility as a systemically critical company at a very early stage. In March 2020, the DRO was activated in order to implement the authorities' instructions as well as the operational protection and hygiene measures in a professional and consistent manner. The protection of our employees always comes first. Subsequently, the DRO was replaced by a COVID-19 focus team consisting of area and site personnel. It ensures ongoing adjustments to the legal requirements as well as operational safety measures that go even further. At Infineon Austria's sites, teleworking is implemented in all areas where this is possible. Production in the clean room at the Villach site has continued without interruption since the beginning of the pandemic. The expansion of the chip factory is also proceeding according to plan, in compliance with all safety requirements. Especially within production in clean rooms, the frequent air change rate, high filter effectiveness and protective clothing make it almost impossible for viruses to spread.

A summary of all major emergency aspects and safety measures can be found in our information folder for site neighbors "Environmental Protection, Safety and Emergency Management".
www.infineon.com/sustainable-austria





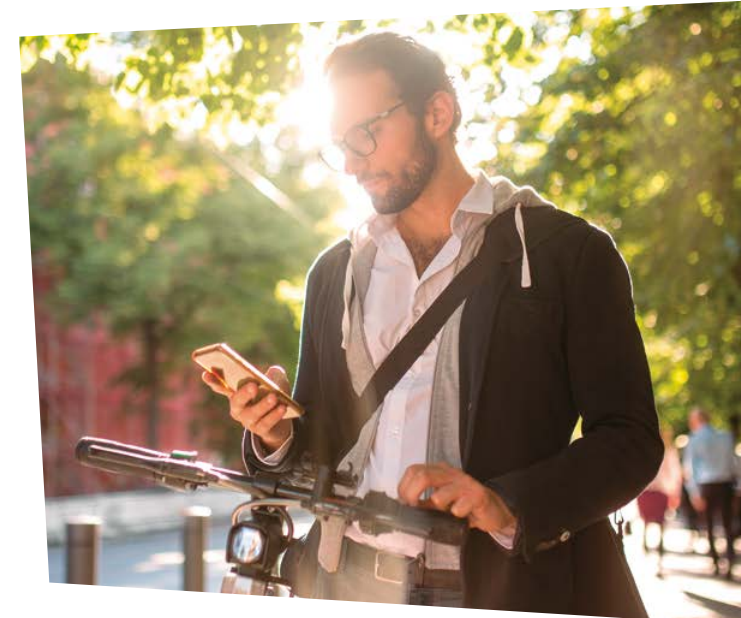
Figures, Data, Facts

Environmental Aspects

An environmental aspect and its associated environmental impact refer to any positive or negative change in the environment or an environmental medium which occurs wholly or partly as a result of an organization's activities, products or services.

Infineon continuously evaluates the environmental aspects 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.



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 taken into account.

Evaluation of Environmental Aspects

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 Aspects		Assessment 2019	Assessment 2020
Air emissions	Dust air pollutants	A	A
	Organic air pollutants	B	B
	Emissions of CMR substances	A	A
	Greenhouse gas emissions	D	D
	Inorganic air pollutants	A	A
Water consumption and waste water	Direct discharge	B	B
	Indirect discharge (municipal sewage)	C	C
Land use and biodiversity	Soil contamination	A	A
	Sealing of areas	B	C
Release of energy	Heat	A	A
	Radiation	A	A
	Noise	A	B
	Light	A	A
Energy consumption	Electrical energy	B	B
	Natural gas	A	A
	Diesel	A	A
	District heating	A	A
Consumption of resources	Raw materials	D	D
	Chemicals	D	D
	DI Water	C	C
	Gases	C	B
	Cooling water	C	C
Waste	Hazardous waste for recycling	B	B
	Hazardous waste for disposal	B	B
	Non-hazardous waste for recycling	C	C
	Non-hazardous waste for disposal	B	A
Transport	Delivery and removal	B	B
	Employee trips to and from work	B	A
	Internal transport	A	A
	Business trips	B	A

The environmental aspects that are significant for Infiniteon Austria and the need for action derived therefrom:

Need for action: low A B C D high

The assessment showed an improvement in four aspects, but a deterioration in two others. The change in the assessment for noise and sealed area is attributable to the growth of the site and the associated construction site activities.

There has been an improvement in the assessment of non-hazardous waste: although it has increased in volume, the recycling of CFS was increased from 6.5 % to 96 %.

Due to the increased level of teleworking during the past fiscal year, which was prompted by the pandemic, environmental aspects in the area of transport have improved significantly: Both the number of employee trips to and from work and the number of business trips have fallen dramatically, which is why this aspect was temporarily given an A rating. All related projects will be further optimized.





Direct Environmental Aspects

Direct environmental aspects are directly related to the company’s activities, products and services and can be directly influenced by the company. These include, but are not limited to: emissions into the air and water, waste, and the consumption of resources (an overview of all assessed environmental aspects can be found on page 28). The environmental impacts of our products are regarded as indirect environmental impacts and are described in the following section.

Due to the pandemic situation, production remained below capacity in 2020. A detailed analysis of this underutilization reveals a differentiated pattern: On the one hand, absolute emission and/or consumption figures have generally fallen; on the other hand, relative indicators, i.e. those referencing production volumes, have tended to rise.

Energy consumption

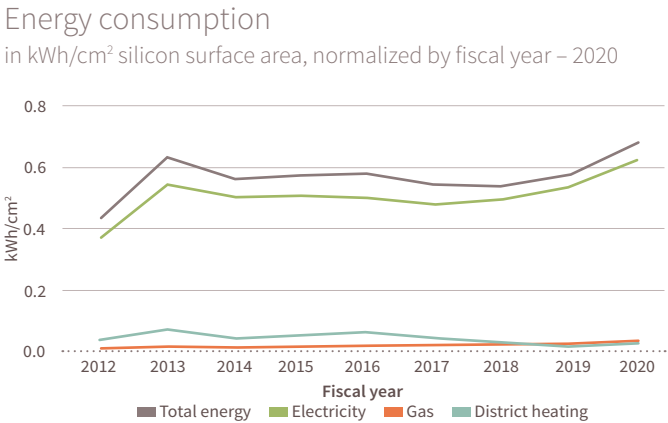


Main indicators	Energy consumption [GWh], savings [GWh]
Most important measures	<div><div>› Heat recovery and waste heat utilization of more than 80 percent of the total amount of energy used</div><div>› Comprehensive energy reduction program (“Energy Efficiency Project”)</div><div>› Additional cooling system with heat recovery</div></div>

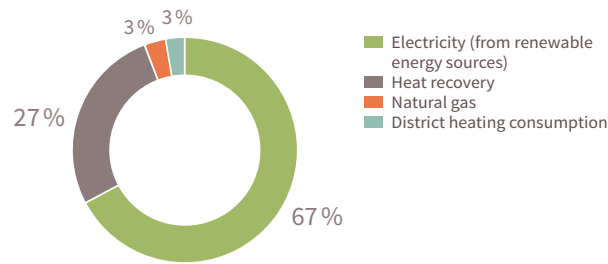
As a global player in the semiconductor industry, energy efficiency and energy savings are essential pillars of our corporate philosophy. This is also reflected in our energy management system, which is certified according to ISO 50001. A constantly-growing number of energy and material flows is systematically 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. 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.

Energy [GWh]	2018	2019	2020
District heating	17	10	11
Electricity (from renewable energy sources)	270	285	284
Natural gas	10	12	13
Heat recovery	44	49	45
Total energy consumption	406	403	397



Breakdown of energy requirements at the Infineon Villach site 2019



Production, and in this context the clean room infrastructure, is responsible for the main part of energy consumption. The target for the fiscal year 2019/20 was not to exceed 285 GWh of electricity consumption while providing for growth at the site. With a total consumption of 284 GWh, this goal was met.

As can be seen in this graph, total energy consumption in relation to production volume increased only slightly in fiscal year 2020. Among other things, this was due to a partial drop in capacity utilization. The overall more energy-efficient standby operation, which was already defined in periods of low utilization, could only partially compensate for an increase in specific energy consumption. The consumption of district heating has been further reduced in recent years through the optimized use of heat recovery systems. Here, the company was able to use around 45 GWh of energy in the fiscal year 2020.

Air emissions



Main indicators	Emission quantities and their parameters [mg/Nm ³]
Most important measures	<div><div>› Infineon's strategy for CO₂ neutrality (CO₂ and CO₂e)</div><div>› Expansion and continuation of the area-wide exhaust air measurement started in the previous fiscal year</div><div>› Procurement of additional dust filters for optimized operational management</div></div>

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 (SF₆) and nitrogen trifluoride (NF₃). These greenhouse gases cannot be replaced by other groups of substances.

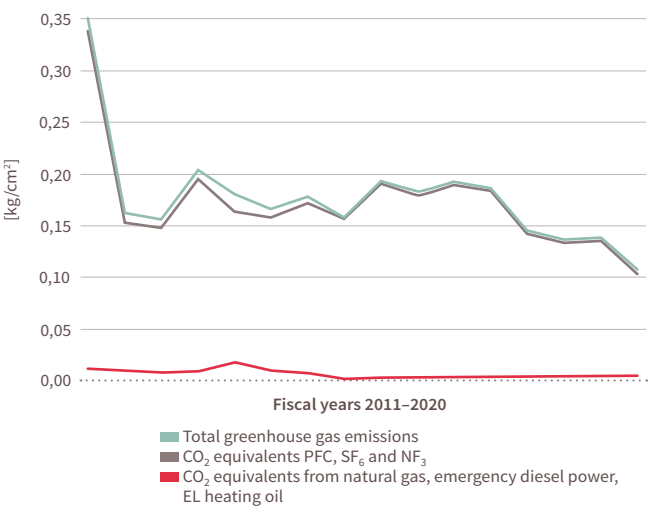
We minimize the use of these gases, firstly by means of ongoing process optimization via more efficient production methods, and secondly through the use of intelligent exhaust air purification concepts and alternative PFC group gases with higher conversion rates and lower greenhouse potential. However, the increasing complexity of our products is leading to a slightly increased need for greenhouse gases.

Because of its dielectric properties, SF₆ 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 SF₆ as a process gas for plasma etching in semiconductor component production. In recent years, targeted reduction programs have enabled a reduction of the use of SF₆ as an insulation gas when measuring and

testing completed wafers in the wafer testing facility at the Villach site to a minimum. 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.

The decrease in specific CO₂ emissions on a CO₂-equivalent PFC basis is mainly due to the lower use of PFC gases in production as a result of reduced capacity utilization and technological improvements. The slight increase in specific CO₂ emissions from natural gas, emergency power diesel and EL heating oil is due to the slight rise in consumption in some cases, as well as to their adjustment to the production output.

Greenhouse gas emissions
in kg/cm² silicon surface area per fiscal year – 2005–2020



In accordance with the EMAS Regulation, the emissions of CH₄ (methane) and N₂O (nitrous oxide) used or emitted with an impact on greenhouse gas emissions are also taken into account.

The share of these process gases is very low in relation to total greenhouse gas emissions (2.6 percent), as is the share of CO₂-relevant hydrogen-fluorocarbons (HFCs) due to consumed refrigerants, at around one percent on top of the CO₂ emissions listed.

In pursuing the goal of CO₂ neutrality, Infineon in Villach is continuously implementing measures to reduce CO₂ emissions. The CO₂ balance for the fiscal year shows that the microchips manufactured in Villach can achieve 81 times more savings over their useful life than our emissions at the site (see “Sustainable products for energy and climate targets”).

Exhaust air flows

Emissions into the air	Unit	2018	2019	2020
Total exhaust air from the production areas	Nkm ³	13.90	14.82	14.82 →

Our exhaust air is made up of different components:

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 generally well below the limits. The emission limit levels were therefore adjusted and lowered in cooperation with the applicable authorities in 2016.

Sulphur and nitrogen oxide emissions

Based on the provisions of the EMAS regulation, this Environmental Statement also includes reports on NO_x (nitrogen oxide), SO₂ (sulfur dioxide) and dust emissions. The site's NO_x emissions from production in the fiscal year 2020 are currently estimated at approximately 29 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. The NO_x emissions from production areas are derived by estimating the loads of the exhaust air volume flows (values below the measurement detection limit of 0.21 mg/Nm³ were replaced by the detection limit levels themselves in the calculation – worst-case calculation).

Dust emissions

Dust emissions from our process exhaust stacks are inspected annually by an assessor as part of the company's internal control concept. Measurements are made on an ongoing basis, both internally and by external partners. The measurement concept is reviewed annually and further developed as required. All stacks are below the official requirement (max. 5 mg/Nm³), and extrapolation of the emission measurements for the last fiscal year shows a load of approximately eight tons.

Chemicals and gases

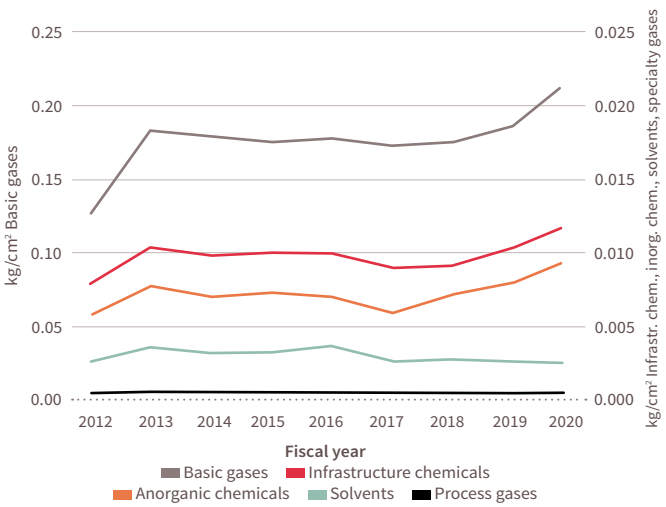


Main indicators	Use of resources
Most important measures	<div><div>› Large volumes of solvents are recycled</div><div>› Continuous analysis of resources, processes and consumption, as well as inputs and outputs as part of ongoing monitoring</div></div>

The absolute quantities of chemicals and gases as well as infrastructure chemicals used in production decreased slightly, while specific consumption, normalized to production volume, increased. This is explained by the fact that the equipment always requires a basic input of chemicals and gases, even if the utilization rate declines.

Chemicals and gases [absolute]	Unit	2018	2019	2020
Gases	t	96,286.19	99,629.03	97,600.97
Wet chemicals	t	5,430.08	5,623.26	5,499.37
Photochemicals	t	1,384.83	1,270.30	1,159.68
CMP chemicals and slurries	t	217.03	305.69	346.32
Other chemicals	t	19.30	23.64	23.64
Chemicals for facilities	t	4,992.96	5,491.42	5,314.93

Consumption of chemicals and gases
in kg/cm² silicon surface area, normalized by fiscal year – 2020



Waste



Main indicators	Total waste [t], amount of hazardous waste [t], amount of non-hazardous waste [t], number of notifications
Most important measures	<div><div>› Main components of non-hazardous waste are sent to recycling</div><div>› Main components of hazardous waste are reclaimed or recycled and reused</div><div>› Continuation of optimized transport logistics through reusable shuttle packaging for wafer transport (six, eight, twelve inches)</div><div>› In cooperation with a Carinthian company, delivery boxes made of high-quality plastic are melted down according to type (color and alloy) so that these materials can continue to be used as high-quality plastic. Therefore, no plastic recycling process occurs that allows only inferior plastic applications as downstream products</div></div>

Infineon Austria attaches great importance to consistent waste separation at the Villach site. All employees are therefore required by a clearly defined waste management concept to reduce residual waste volumes by collecting and sorting waste and reusable materials.

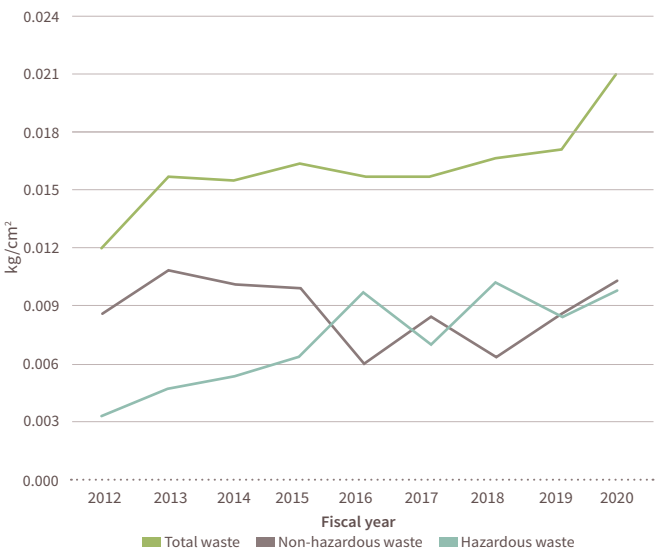
Total waste	Unit	2018	2019	2020
Non-hazardous waste	t	3,491.25	4,633.17	4,919.53
Hazardous waste ¹⁾	t	5,605.32	4,488.45	4,501.49

1) Not including notified and recycled spent solvents, including sulfuric acid.

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.

Waste
in kg/cm² silicon surface area, normalized by fiscal year – 2020



The increase in non-hazardous waste volumes is due, among other things, to the increased amount of construction site waste resulting from the construction activities for the new research building and the major project (chip factory).

Non-hazardous waste

In the fiscal years 2018, 2019 and 2020 the main non-hazardous waste components > 100 tons were:

Non-hazardous waste

	Code	Unit	2018	2019	2020	
Calcium fluoride slurry	31641	t	1,487	3,604.85	3,192.53	↘
Contents of grease separators (kitchen)	94705	t	143	132.87	128.55	↘
Iron and steel waste (commercial scrap metal)	35103	t	248	213.63	155.27	↘
Waste paper	91201	t	183	171.78	151.64	↘
Biogenic waste	91104	t	172	172	171.60	→
Wood waste	17201	t	268	262.35	211.02	↘
Construction site waste	91206	t	6.63	17.39	125.70	↗

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:

Waste from production	Unit	2018	2019	2020	
Total non-hazardous waste	t	2,019.50	3,201.75	3,567.29	↗
of which recovered	t	369.50	294.86	3,424.36	↗
of which incinerated	t	152.14	159.06	130.90	↘
of which disposed of	t	1,497.86	2,747.83	12.03	↘
Waste from areas outside production (e.g. peripherals, facilities, office space)	Unit	2018	2019	2020	
Total non-hazardous waste	t	1,018.59	995.62	988.58	↘
of which recovered (not incinerated)	t	344.37	320.29	306.63	↘
of which incinerated	t	27.24	32.85	46.99	↗
of which disposed of	t	646.98	642.48	634.96	↘
Packaging	Unit	2018	2019	2020	
Total non-hazardous waste	t	453.15	435.80	363.66	↘
of which recovered (not incinerated)	t	183.13	171.78	151.64	↘
of which incinerated	t	270.02	264.02	212.02	↘

Hazardous waste

In the fiscal years 2018, 2019 and 2020 the main hazardous waste components > 100 tons were:

Hazardous waste

	Code	Unit	2018	2019	2020	
Solvent mixtures ¹⁾	55370	t	684	644.67	611.07	↘
Spent acids (sulfuric acid)	52102	t	951	1,104.58	1,163.01	↗
Other aqueous concentrates	52725	t	1,536	1,635.81	2,305.97	↗
Residues from solvent recycling ²⁾	140603	t	172	186	165.32	↘
Calcium fluoride slurry	31641	t	2,243	870.38	0	↘

1) Excludes residues from solvent recycling.
2) Recycling residue from notified solvents at Braun Recycling.

The hazardous waste generation in the fiscal year 2020 resulted mainly from the fractions of other aqueous concentrates (increase in copper-bearing special waste water in the RAIDER area due to quantity-related increase/rise). Here, the procurement of an extended purification plant for the treatment or reduction of these copper-bearing waters is being planned.

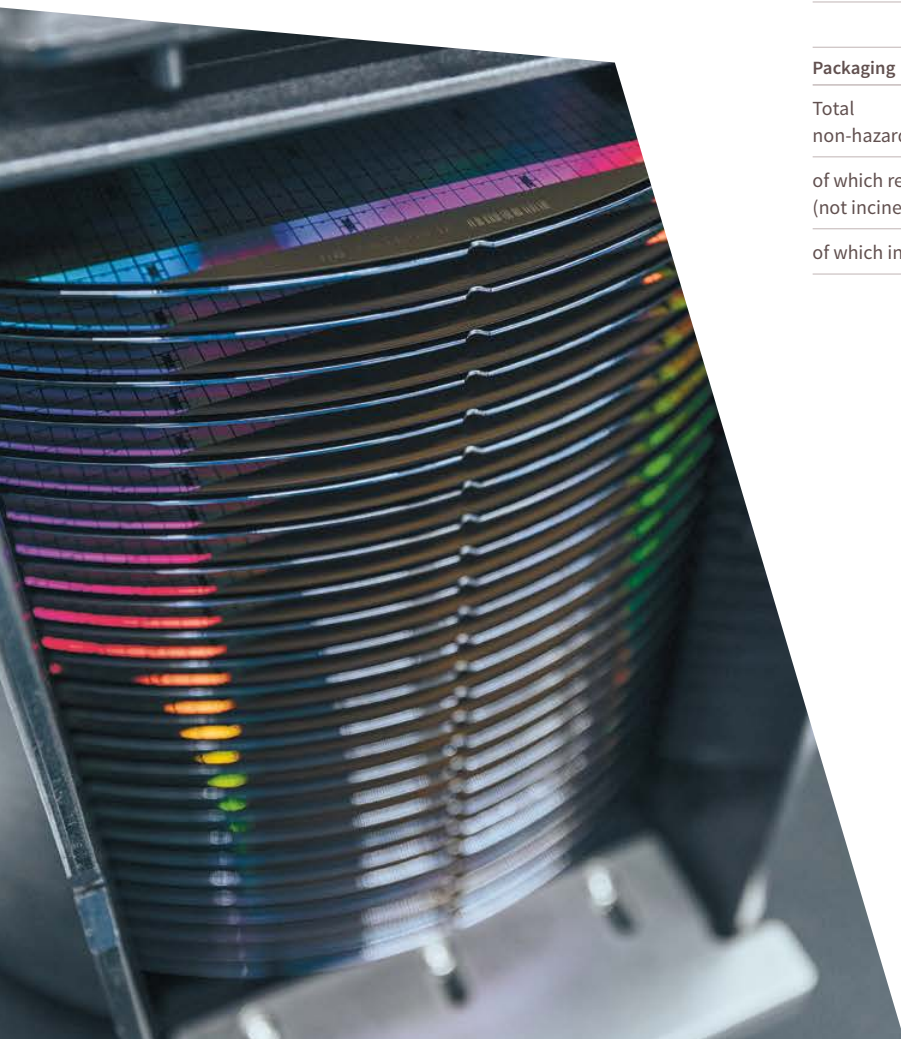
In the area of the operational recycling of spent solvents by means of redistillation, dimethylformamide (DMF) has been successfully recycled externally since 2014, in addition to the solvents propylene glycol methyl ether acetate (PGMEA), cyclopentanone and N-methyl pyrrolidone (NMP). A total of approximately 500 tons of pure solvents could thus be recycled externally using closed-loop recycling methods, with recycling rates of approximately 70 percent. The recycling rate for all spent solvents was approximately 37 percent, as in the previous year, after major savings in cyclopentanone consumption were achieved at the equipment level.

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:

Waste from production	Unit	2018	2019	2020	
Total hazardous waste	t	5,498.91	4,364.21	4,205.93	↘
of which recovered (not incinerated) or recycled	t	1,018.30	1,189.93	1,268.89	↗
of which incinerated	t	700.89	665.84	630.16	↘
of which disposed of	t	3,779.72	2,508.44	2,306.89	↘
Waste from areas outside production (e.g. peripherals, facilities, office space)	Unit	2018	2019	2020	
Total hazardous waste	t	87.38	107.38	248.30	↗
of which recovered (not incinerated)	t	58.85	49.87	46.25	↘
of which incinerated	t	2.42	1.078	3.72	↗
of which disposed of	t	26.12	56.43	198.33	↗
Packaging	Unit	2018	2019	2020	
Total hazardous waste	t	19.03	16.86	47.26	↗
of which recovered (not incinerated)	t	2.75	1.05	34.19	↗
of which incinerated	t	16.28	15.36	13.08	↘

Cleaning of a waste water retention basin at the waste water plant (emptying of settled residues) resulted in an increased amount of disposal waste. The increase in hazardous packaging is explained by a new development agreed with the disposal company. Since 2020, all spent chemical containers (plastic packaging) have been collected and disposed of separately.



Land use and biodiversity



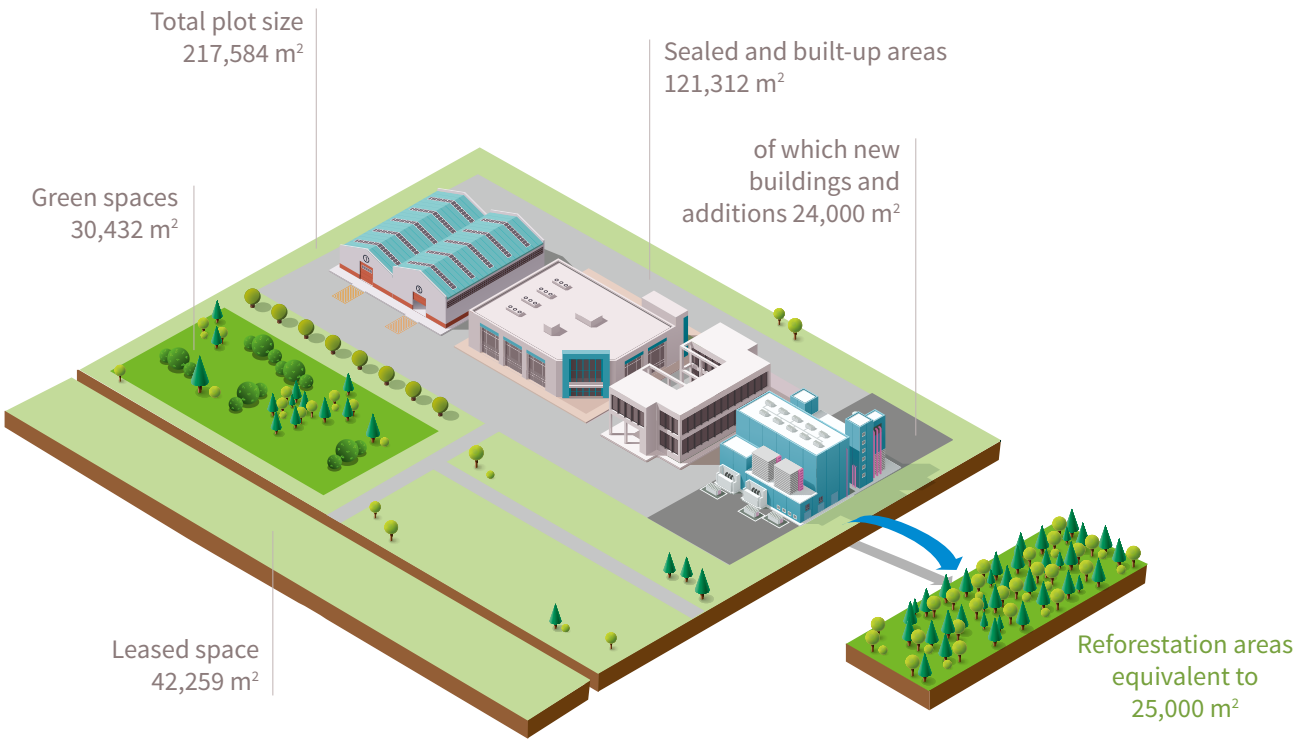
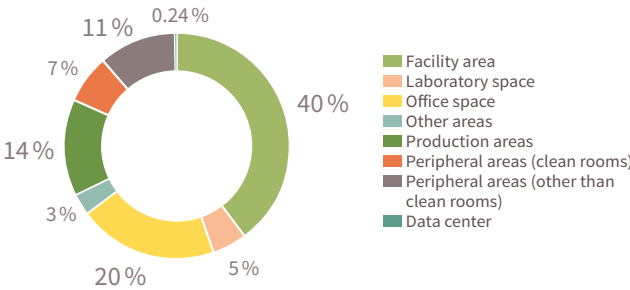
Main indicators	Sealed areas [m²], Subsoil preparation [m²]
Most important measures	› Inventory and site expansion › Reforestation projects

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

The total area covered by the site during the 2020 reporting period, including roads and pathways, was 217,584 m², with an additional 42,259 m² of leased space. The green space (lawns, vegetation) amounts to 30,432 m². The total sealed area of the site, including the areas covered by buildings, amounts to approximately 121,312 m².

The remaining approximately 100,000 m² consists mainly of parking areas with infiltration systems, drainage ditches and embankments and unpaved gravel surfaces (prepared sites).

Usable areas of the buildings – existing buildings



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 (Department Environment, Energy and Nature Conservation) 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 to all this, reforestation projects were carried out in coordination with the authorities to compensate for the additional sealed or built-up areas of 25,000 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. They include:

- › 3,500 m² in Mallestig,
- › 3,500 m² in Maria Gail,
- › 5,000 m² in Federaun (between motorway and Gail),
- › 1,000 m² in Ossiachberg and
- › 8,000 m² with hardwood in Perg (Rosegg).

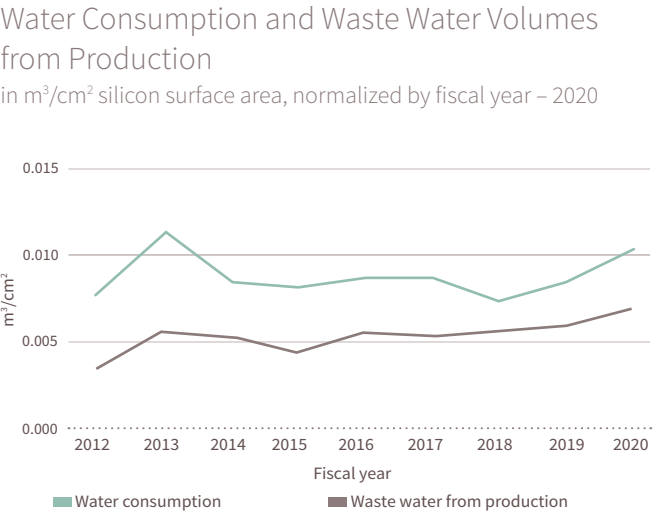
In a compensation assessment, these areas correspond at least to the area cleared. The project mainly involved reforesting areas that had been affected by bark beetles, storms or heavy rainfall events. Biodiverse mixed forests (larches, sycamores, silver firs, common oaks, mountain ash) were planted.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



Water consumption and waste water

Main indicators	Water withdrawal [m³], waste water quantity [m³]
Most important measures	<div>› Adaptation and expansion of waste water plant to meet operational requirements and make use of latest technology</div> <div>› Load monitoring of various ingredients carried out; integrated into water legislation procedures</div> <div>› Extension of the retention basin</div>

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.



As the graph shows, specific water consumption and specific waste water generation have increased, while production output has decreased. The reason for this increase is the underutilization of production capacities while at the same time exhausting the consensus quantities from the well in order to optimize the site's cooling situation by using its own water, thereby saving machine coolants and refrigerants and consequently CO₂e.

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.

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 required amount of water was approved within the scope of the legal requirements.

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 and the measured values are observed.

Waste water	Unit	2018	2019	2020
Total waste water	m³	4,304,508	4,261,859	4,585,177
Waste water from production requiring treatment	m³	3,091,807	3,126,620	3,138,061
Cooling water	m³	1,078,282	978,389	1,316,702

Noise

Main indicators	Noise emission [dB], number of trips or deliveries
Most important measures	<div>› Regular noise measurements at the site and the site boundaries</div> <div>› Implementation of individual measures derived from noise surveys</div> <div>› Dialog-oriented and personal communication with site neighbors (see page 7)</div>

Infiniteon 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.

After completion of the construction work for the new research building, Siemensstraße was reopened. The new parking garage directs the employees' arrivals and departures and relieves the surrounding area. These activities are embedded in an overall traffic concept that is coordinated with the authorities and local residents. It includes traffic

control measures (e.g. roundabouts, Infineonstraße), environmental relief elements (e.g. parking garage instead of uncontrolled parking) as well as the design of noise-reducing measures with the involvement of local residents. In the course of the site expansion, additional noise measurement points were defined and included in the existing noise emissions log.

Noise levels at the site boundaries are within the officially stipulated levels and are controlled regularly.





Sustainable products for energy and climate targets

Microelectronics form the technological backbone of modern life as we know it today. Infineon's semiconductor solutions and microchips contribute to energy efficiency in many applications, to make more out of less: For example, they lower energy consumption in computer centers as well as medical devices 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 percent (source: Omdia, September 2020) the Infineon Group is the world market leader for these power semiconductors, also known as energy-saving chips.

In order to ensure global future viability and competitiveness, continuous investments are made in research and development. In 2017, the global competence center for new semiconductor materials (silicon-carbide and gallium nitride) was established 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.

Today and in the future, Infineon is making a significant contribution to higher energy efficiency, better resource management and effective climate protection in accor-

dance with the objectives of the Paris Climate Convention. 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 solar power

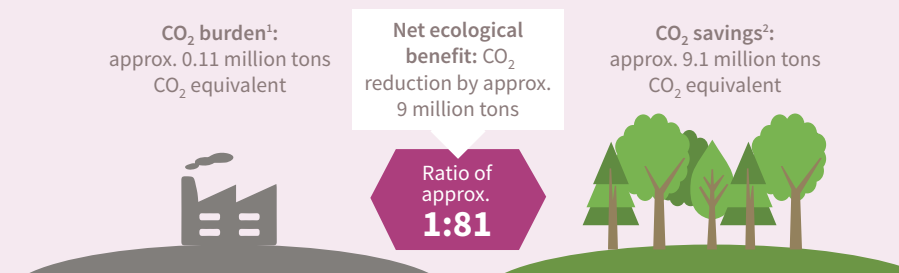
As the demand for energy increases worldwide, the need to generate, transmit and use energy more efficiently also grows. In the energy mix of the future, renewable forms of energy in particular will play an increasingly important role – all over the world. Infineon semiconductors make it possible, for example, to reduce energy losses in the generation of solar power, while increasing performance and allowing energy to flow efficiently into the grid. It is not without reason that Infineon is one of the top 10 suppliers of wind power and solar systems (Wood Mackenzie OEM market share, 2020). 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.

Indirect Environmental Aspects

Our contribution to climate protection is based on two pillars: In addition to continuously reducing its own emissions, Infineon makes an active contribution to climate protection with innovative products and system solutions.

A holistic approach to sustainability – CO₂ balance of production in Villach

Production of 8.45 billion chips (FY 2020)



Infineon Austria's energy-saving chips make a significant contribution to reducing our carbon footprint and allow for energy savings that are 81 times greater than our emissions (ratio of 1:81) over their useful life in applications. Our ecological net benefit is a CO₂ reduction by approximately nine million tons. This corresponds to around 64 percent of all annual passenger car emissions in Austria or a saving of the entire CO₂ emissions of Carinthia within a period of two years.

1) This figure factors in manufacturing, transportation, company vehicles, flights, raw, auxiliary and operational materials, chemicals, water/waste water, direct emissions, energy consumption, waste, etc. and is based on internally collected data and publicly available conversion factors. All data relate to the fiscal year 2020 at Infineon Technologies Austria AG. 2) This figure is calculated using internally established criteria. It relates to the calendar year 2020 and is determined for the following areas: Automotive, LED, induction devices, servers, renewable energy (wind, photovoltaic), mobile phone chargers and drives. The CO₂ savings calculations are based on the savings potential of technologies in which semiconductors are used.

Environmentally friendly and emission-free mobility

The need for environmentally compatible and well-connected mobility is growing and has become a defining feature of modern society. Infineon's power electronics are used, for example, 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 currently incorporated in 17 of the world's 20 best-selling hybrid and e-cars. The accelerating trend towards e-mobility is increasing the demand for semiconductors. In segments such as electric drive, charging, battery management and other electrified systems in vehicles, Infineon offers solutions that on the one hand increase the efficiency of the overall system and on the other 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.

Smart Home & Smart Building

Infineon's inverter technology turns "power guzzlers" into "energy savers". In household appliances such as refrigerators, induction cookers, air conditioners, power tools, fans and pumps, inverter technology ensures optimal regulation of the flow of current. For compressors in refrigerators, for example, this can reduce energy consumption by up to 40 percent. With Infineon sensor technology, climate protection and efficiency improvements can also be implemented in the building sector. They make it possible to accurately record the usage of a building and help save energy. 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.

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, multiple 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"

Between 2010 and 2019, global Internet traffic increased twelvefold. According to the International Energy Agency, Internet usage increased by almost another 40 percent between February and mid-April alone in the coronavirus year 2020, driven by video streaming, video conferencing, online gaming and social networking. In the "Internet of Things", devices and systems are also becoming increasingly networked. According to estimates, 50 billion devices will already be networked by 2022. 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.

Responsible procurement

Through the purchasing principles and the sustainability requirements embedded therein, we focus on responsible procurement, increase the effectiveness of supplier management, create transparency along the supply chain, and initiate improvement processes.

Based on our Group-wide guidelines, such as the "Principles of Purchasing" which, in turn, are based on our global "Business Conduct Guidelines" and CSR policy, all of our service providers and suppliers are obliged to meet our standards of workplace safety, health and environmental protection and working and social conditions and to support the principles of the United Nation's Global Compact Initiative. 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. At the Villach site, around 90 percent of the main suppliers have a certified environmental management system in place.

Our framework 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.

In addition, Infineon was awarded a "Gold" supplier status by the independent procurement rating agency EcoVadis for the fifth time in a row.

E-Procurement

All purchasing processes, from the tendering tool to the purchase requisition and from approval to invoicing, 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.



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.

Infiniteon is therefore strongly committed to improving public transport and expanding the network of bicycle paths. Infiniteon 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.

Infiniteon 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, business trips with electric cars, conversion of internal logistics to e-mobility

- › Encouraging carpooling through specially reserved parking spaces
- › Infiniteon “Jobticket” – free ticket for public transport
- › Ongoing mobility analyses and involvement in networks relevant to the topic
- › Improvement of 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 Infiniteon 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 Infiniteonstraße, 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 Infiniteon employees already come to work by bike. With the “job ticket”, Infiniteon offers all employees and temporary workers free travel to work on public transport: Since its introduction in March 2019, around 550 employees have been taking advantage of this offer.



Best practice for more

Thanks to close cooperation with the city, there are now three new regional bus connections that stop directly at Infiniteon. In urban bus transport, it has been possible to reach even more people by improving the frequency of service (15 minutes). In addition, an e-bike sharing system is currently being tested in cooperation with regional partners and the city. This is supplemented by ongoing mobility surveys and 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.

Scan the QR code to read the UN Guide online.



E-transport

The expansion of electromobility for logistics marks another step toward climate neutrality. For short business trips, electric cars have already been used for years, and at the site, e-utility vehicles ensure emissions-free internal transport of goods.





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 31 percent less water, 53 percent less electricity and generates 66 percent less waste than the global average of semiconductor companies organized in the World Semiconductor Council.¹⁾ But one thing also holds true for us: We want to do even more.

1) 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 2019/20. www.infineon.com/sustainability

Our Goal of CO₂ Neutrality

Infineon has set itself the goal of becoming CO₂-neutral by 2030. The company plans to reduce emissions by 70 percent against 2019 levels by as early as 2025. The main focus will be on avoiding direct emissions, a further expansion of the energy efficiency program, 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 CO₂ neutrality is based on three levels:

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

Climate protection is part of our DNA. This is demonstrated by our activities to date in the area of voluntary exhaust air purification to reduce direct emissions, which by far exceed the industry standard.

In recent years, the Infineon Group has continuously assessed potential opportunities for CO₂ reduction, which to date has already lowered direct emissions by more than 600,000 tons of CO₂ equivalents and thus to a quarter of the potential direct emissions. At the Villach site alone, 147,684 tons of CO₂e are avoided each year. Our new production hall in Villach was also already planned entirely with state-of-the-art exhaust air purification, which means that over 97 percent of potential emissions can be eliminated.

CO₂ pricing

In order to promote corresponding projects, an internal CO₂ price was introduced for the evaluation of measures, e.g. in the area of energy efficiency. It serves as an additional, internal incentive to increase our efficiency and will be further developed in the coming years, following initial findings on its implementation.

PFC

An analysis method (a so-called ABC analysis) has been developed and introduced throughout the entire 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. While the treatment of harmful gases is already at a very high level at the sites in Europe – for example, 100 percent PFC waste gas treatment is planned for the new chip plant in Villach – the focus for further investments is now primarily on the Kulim and Austin sites. At the same time, the existing plant parks in Villach, Regensburg and Dresden are also being subjected to a fresh assessment in order to further reduce direct emissions there as well.



Implemented Environmental Protection Measures

Environmental aspects and long-standing measures

Energy consumption

Infineon continuously strives to become more energy-efficient with smart and individual solutions:

- › 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 about seven 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 – 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

- › Increased 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
- › Solvent consumption significantly reduced by various process optimization measures
- › A large proportion of the processed precious metals (gold, silver, platinum) do not remain directly on the product, but end up in process chambers, metal parts, broken wafers, cleaning cloths, etc. Nevertheless, it was 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.

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 that also add value in terms of biodiversity are supported as an alternative to land use

Environmental aspects and long-standing measures

Waste water

- › Adaptation and expansion of waste water treatment system to meet operational requirements and make use of state-of-the-art technology
- › Load monitoring of various ingredients carried out; integrated into water legislation procedures
- › Revalidation of the environmental laboratory by an external assessor

Noise

- › Noise emissions log
- › Measures to reduce traffic volumes (e.g. Infineonstraße)

Transport/mobility

- › Implementation of a site-specific traffic concept to optimize internal transport logistics and increase traffic safety
- › Designated carpool parking spaces
- › 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
- › Intensive 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
- › 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

- › Print requirements – ongoing IT solutions implemented:
- › Toner savings
- › Paper consumption reduced

Next Level of Productivity







- › Is a cross-site project with the aim of continuously increasing productivity. The original purpose of evaluating all issues in terms of cost efficiency was extended to include energy efficiency and CO₂ savings.








IMPRES Projects Implemented in 2020

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 measures, deadlines and responsible parties associated with the individual projects are determined as part of the same process.

Conceptually, Infineon Austria concentrates on highlighting its major strategic projects in the areas of waste water, exhaust air and recycling in its Environmental Statement. Below, we showcase examples of environmentally-relevant project activities that have provided, or will provide, a significant contribution to improving the site's environmental performance.

The following are the projects derived and implemented for the most recent fiscal year 2019/20:

Area			
Target	Measure	Status 03/2021	End date
Energy efficiency			
Cost and energy savings through onsite use of LEDs	LED project already into its 3rd fiscal year. Currently: evaluation and detailed planning for areas that do not yet have LED lighting installed	New areas are equipped with LEDs. Alternative yellow light LEDs evaluated and tested in pilot projects	10/2020 
Energy optimization for operations	Evaluation to identify optimal hardware components for cooling towers (configurations and designs)	Postponed for priority reasons	10/2020 
Onsite production of green hydrogen	Planning of onsite hydrogen production by means of electrolysis system	Contract negotiations completed, construction in fall 2021	12/2019 – 2021 
Consumption of resources			
Reductions in input media (solvents) > 300 t	Continuation of solvent recycling	Implemented in 2020	10/2020 
Exhaust air			
Enhanced production safety standards and uptime control	Use of new technologies through the renewal of the EPI scrubbers (about four scrubber packages)	Six EPI scrubbers were installed. Four further EPI scrubbers were delivered and are currently being installed. Three scrubbers will follow in Q1/Q2 2021	09/2021 
Optimization of the exhaust air ducts with resulting reduction of dust emissions	Re-use of released abatements in the furnace and etching area, increase of the utilization of the wet scrubbers in the area of wet chemistry through switchovers	Re-use of already available abatements was performed. Project has been concluded	12/2020 




Area			
Target	Measure	Status 03/2021	End date
Skills, training and awareness			
Employees and external contractors on site act in a consciously sustainable and environmentally-friendly manner	Training given by means of "Environmental Protection" video	Implemented 03/2021	10/2020 
Management system			
Exchange of information and requirements in addition to economic aspects, in particular also on ES topics	Inclusion of Environment & Safety in the <u>vendor performance reviews</u> (VPR)	Implemented 01/2021	
Mobility			
Promotion of environmentally-friendly mobility	Action program to promote occupational mobility logistics/e-mobility, e.g.: <ul style="list-style-type: none"> › E-mobility: The e-charging stations will be further expanded as part of a cross-site concept. Target: approx. 40 charging points by Q2/2020 › Further expansion of bicycle infrastructure planned for 2020 	The expansion of e-charging stations was suspended due to the coronavirus pandemic, but contents were expanded and optimized. Implementation planned for 2021	03/2020 
Chemical safety/Environmental Protection Laboratory			
Optimization of the laboratory standard with regard to norms	Laboratory revalidation with the main focal points: methods, standards, technical guidelines and extended health protection evaluation	Completed	06/2020 
Disaster prevention and Seveso aspects			
Transparency and optimized interface communication through involvement of the authorities in the safety auditors exercise	Combination of a DRO exercise with the Seveso inspection	Planned 07/2021 (was postponed from 2020 to 2021 due to the coronavirus pandemic)	12/2020 
Employees know the dangers of and counter-measures against fire and incidents involving fire	Training given by means of "Fire Safety" video	Draft script prepared, shooting planned after commissioning of the new chip factory	10/2020 
Faster and better targeted evacuation of buildings	Automated evacuation alarm announcements (German/English) – naming specific areas of buildings	Completed	03/2020 

Status indicators: Progress in %  25 %  50 %  75 %  100 %

IMPRES Projects Planned for 2021

The following is an overview of the projects derived for the current fiscal year 2020/21:

Area			
Target	Measure	Status 03/2021	End date
Energy efficiency			
Optimization of the energy consumption of sub equipment (sub equipment management)	Performance of an evaluation of selected equipment in the legacy fab	Evaluation phase 1 completed. Rollout for new chip factory	09/2021 
Savings of up to 9 GWh of energy – Green Heat	Additional cooling system with heat recovery	In process	10/2021 
Secure supply of production with green hydrogen from renewable energy sources - Green H₂	Onsite H ₂ production by electrolysis	Contracts signed with partner, construction in fall 2021	03/2021 
	Reuse of hydrogen for public bus transport	Project consortium working on a feasibility study	02/2021 
Increase in the use of renewable (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	03/2021 
Energy savings in the facilities area through sub equipment management project	Exhaust air and vacuum pumps as required/according to actual demand requirements	Evaluation performed, deployment/installation of the first toolsets for H18 in preparation	03/2021 
Waste water			
Reduction of other aqueous concentrates	Copper treatment plant for purification of partial stream (other aqueous concentration) from RAIDER production and resulting reduction of copper quantities in indirect discharge. Reduction of the waste stream or fraction	Budget released, submission documents completed	12/2021 
Saving of waste water quantities in the laboratory area incl. reduction of plant-internal traffic	Acquisition of a highly efficient PCB cleaning system	Evaluation with involvement of specialist departments and market analysis completed, budget request submitted	12/2021 
Exhaust air			
Reduction of NH₃ emissions	Replacement NH ₃ scrubber H15 (redundancy plant)	Budget request submitted. Coordination with Regensburg regarding redundancy systems installed/planned there. Request for proposal in progress	09/2022 

Area			
Target	Measure	Status 03/2021	End date
Waste			
Reduction of waste transports	See also: Project waste water (copper treatment plant)/reduction of IBC container disposal	Budget released, submission documents completed	12/2021 
Mobility			
Promotion of environmentally-friendly mobility	Mobility reduced due to Covid-19 – implementation of measures therefore slowed. “Green Way” initiative to be continued. Focus: re-establish awareness and take further action after lockdowns	ongoing	09/2021
	Significant improvements in public transport services were achieved in the previous and current fiscal years. Offer is advertised with campaigns	ongoing	09/2021
	“Job ticket” to be reformed to reduce barriers to public transport access	Implemented	02/2021 
	Expansion of the e-charging infrastructure for private employee cars and company cars	Highly likely to be implemented in the current fiscal year	08/2021
	Ongoing talks with the City of Villach regarding bicycle paths intensified (projects already announced by the city in the media)	ongoing	
	“Job bike” is being considered	ongoing	09/2021
Skills, training and awareness			
Increase of awareness through training on IMPRES topics	<ul style="list-style-type: none"> › Implementation of LC and Seveso training courses › Information and activation of employees through the social intranet (e.g. for CSR awareness raising) 	Completed	03/2021 

Green text: planned projects that have already been completed

Status indicators: Progress in %  25 %  50 %  75 %  100 %

Continuation →

IMPRES projects planned for 2021 (continued)

Area			
Target	Measure	Status 03/2021	End date
Management system			
Ongoing development in the implementation of IMPRES@IFAT	Stakeholder analysis, evaluation of environmental aspects	Completed	03/2021 <div></div>
Company medical service			
Compliance with protective measures regarding Covid-19	Plan for second wave (fall 2020) was prepared and implemented	Completed	10/2020 <div></div>
	Contact tracing was expanded – a separate team was established for this purpose	Completed	01/2021 <div></div>
	The possibility for rapid tests and PCR swabs was established both in the Medical Service Center and in a test container.	Completed	12/2020 <div></div>
	Preparations have been made for Covid vaccinations at the plant	Currently being rolled out	02/2021 <div></div>
Workplace health promotion (Betriebliche Gesundheitsförderung, BGF)	BGF quality seal 2021–2023 received in December 2020	Completed	12/2020 <div></div>
	FGÖ project (see above) revised, approved and converted to digital/online offering	Completed	<div></div>
Communication			
Target group and dialog-oriented information of local residents and interested stakeholders about Infineon Austria's ES activities	<ul style="list-style-type: none"> Update of brochure for site neighbors (04/2021) Environmental Statement 2020 (04/2021) 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/expansion www.infineon.com/austria	10/2021 <div></div>
Disaster prevention and Seveso aspects			
Combination of a DRO exercise with Seveso inspection planned	Joint Seveso exercise in summer 2021	In preparation	08/2021 <div></div>
New alerting tool for safety auditors	Introduction of a new electronic alerting tool for the safety auditors	In preparation	09/2021 <div></div>
New safety auditors' room	Design of a new safety auditors' room	In preparation	07/2021 <div></div>

Area			
Target	Measure	Status 03/2021	End date
Noise			
No complaints from site neighbors	Evaluate additional measurement points at property boundaries to determine sound levels with the goal of continuous monitoring	In preparation	10/2021 <div></div>

Green text: planned projects that have already been completed

Status indicators: Progress in % 25 % 50 % 75 % 100 %



Glossary

Explanation of Terms


Audit	systematic and documented verification process within the company to identify and evaluate data and processes
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/m ³) is equal to or lower than 10 (≥ 0,1 µm)
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
CMP	Chemical-Mechanical Polishing
CO₂ equivalent (CO₂e)	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 CO ₂ equivalent and is calculated based on the amount of emissions of a particular gas multiplied by its climatic impact factor
Cyclopentanone	An organic solvent
DI Water	Deionized water, ultrapure water
DMF	The solvent dimethyl formamide
DRO	Disaster Response Organization
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
ES	Environment & Safety
Front-end	Type of production in which chips are manufactured on the wafers
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	Infiniteon 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
ISO 45001:2018	A standard published by the International Organization for Standardization (ISO) in March 2018, which describes requirements for an Occupational Health and Safety Management System (OHSMS) as well as instructions for its implementation. 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
Matrix certification	Certificate listing all units/sites of a company which have been certified by an assessor
NMP	The solvent N-methyl-2-pyrrolidone
PFC	Perfluorinated compounds
PGMEA	The solvent propylene glycol monomethyl ether acetate
Power semiconductors	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)
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
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
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 centimeter (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 Nkm³ = 10 to the power of 9 Nm³)
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 **Infiniteon Technologies Austria AG**, mit dem **Standort Siemensstraße 2, A-9500 Villach** wie in dieser Umwelterklärung 2020 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 und 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 wurden,
- 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 umfassende Umwelterklärung wird im Jahr 2022 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 07.05.2021



Dr. Stefan GARA
Leitender Umweltgutachter

Date of the Next Environmental Statement

The next Environmental Statement will be a consolidated Environmental Statement and will be published in May 2022.

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Our vision

We are the link between the real and the digital world.

Our values

We commit
We partner
We innovate
We perform

Our mission

We make life
easier, safer
and greener.

Part of your life. Part of tomorrow.

A world leader in semiconductor solutions



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