



Dentsply SIRONA at the Bensheim site

Updated Environmental Declaration 2022

Table of contents

1.	Dentsply Sirona at Bensheim site	4
1.1	Scope of the Environmental Management System.....	5
1.2	Layout of Bensheim site.....	6
1.3	Structure of Dentsply Sirona	7
1.4	The Activities and manufacturing procedures	7
2.	Integrated Management.....	8
2.1	Executive management	9
2.2	EH&S Management Officer.....	9
2.3	Statutory officers.....	9
2.4	Voluntary officers.....	9
2.5	Employees and works council.....	10
2.6	Continuous improvement	10
2.7	Emergencies.....	10
2.8	Context of the organization, stakeholders, risks and opportunities.....	11
3.	EH&S Policy	13
4.	Environmental aspects	14
4.1	Evaluation of the environmental aspects.....	15
5.	Environmental targets and programs	17
5.1	Environmental targets and programs 2020 - 2022	17
6.	Important environmental data and figures.....	22
6.1	Generation of energy, energy flow and energy consumption	22
6.2	Raw materials and supplies	29
6.3	Hazardous materials and water contaminating substances.....	29
6.4	Emissions	30
6.5	On-site waste.....	32
7.	Signatures	35
8.	Validation of the updated Environmental Declaration.....	36
9.	Terms	37

Preface

This Environmental Declaration is only for the Dentsply Sirona Bensheim site which is written in conjunction with of an overall Dentsply Sirona Corporate policy.

Every day, Dentsply Sirona empower dental professionals all over the world to provide millions of patients with better dental care and make people smile. As the leader in the dental industry, it is our responsibility to deliver meaningful innovation and maintain our customer focus every day. We are accountable to our customers and each other to keep our promises and to be a trusted partner.

In addition to quality assurance and occupational health & safety, environmentally oriented corporate management is a very important tool for Dentsply Sirona to secure the company's future. The Environmental Management System at the Bensheim site has been certified in accordance with EMAS since 1996.



EMAS stand for Eco-Management and Audit Scheme and is a European Union Regulation which is also known as the EU Eco Audit. It is a common environmental management scheme for companies that seek to improve their environmental performance and it goes beyond the requirements of the environmental management standard DIN EN ISO 14 001.

Sirona Dental Systems GmbH is a member of the Hessian Environmental Alliance which has the objective to reinforce the economy's responsibility for the benefit of the environment, the reduction of bureaucracy and the set-up of an attractive environmental protection framework in the Hessen business locations. Participation in EMAS and membership in the Hessian Environmental Alliance are an expression of the commitment to environmentally friendly activities and guarantee a functioning Environmental Management System.

In addition, Dentsply Sirona committed to ambitious energy saving targets at the Bensheim location by signing an environmental pact "Energy efficiency network Frankfurt Rhine-Main" with nine other employers in the region in 2015.

With this environmental declaration, Dentsply Sirona informs the interested community about environmental protection activities at the Bensheim site. The relevant applicable environmental declaration along with the occupational health & safety certificates are available online under:

<https://www.dentsplysirona.com/en/company/our-sustainability/healthy-business/employee-health-and-safety.html>

The environmental declaration is available to all employees via the Dentsply Sirona Community intranet.

1. Dentsply Sirona at Bensheim site



Dental treatment centers (dentist chairs), imaging systems (X-ray devices), CAD/CAM systems (dental equipment for computer-assisted dental reconstruction), dental instruments and hygiene systems are developed and produced at the Bensheim site.

The company premises 202,601 m² in size include the factory, office buildings and a logistics center. The sealed area is 100,645 m². The entire natural area at the site is 2,285 m².

Bensheim is one of the largest production sites within the company's group with approx. 2,216 employees. As a result of continuous investments and improvements the site has been sustained and safeguarded over the long-term.

Dentsply Sirona has implemented a certified quality management system at its Bensheim site in accordance with international regulatory requirements for medical products. This permits the company to place technologically high-quality and innovative products and services on the market. Dentsply Sirona products can be found in all treatment areas and field of activity in modern dental practices.

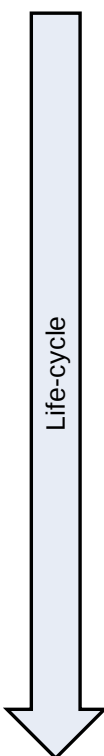
Dentsply Sirona's main headquarter is located in Charlotte, North Carolina, USA, while the international headquarter is located in Salzburg, Austria. The company's shares are listed on the US technology exchange NASDAQ under the symbol XRAY.

Dentsply Sirona is a global team in which employees motivate each other to achieve top performance. The company promotes these excellent achievements, lives personal responsibility and acts with uncompromising integrity.

1.1 Scope of the Environmental Management System

The scope of the Environmental Management System of Dentsply Sirona is defined along the life cycle of the products as follows:

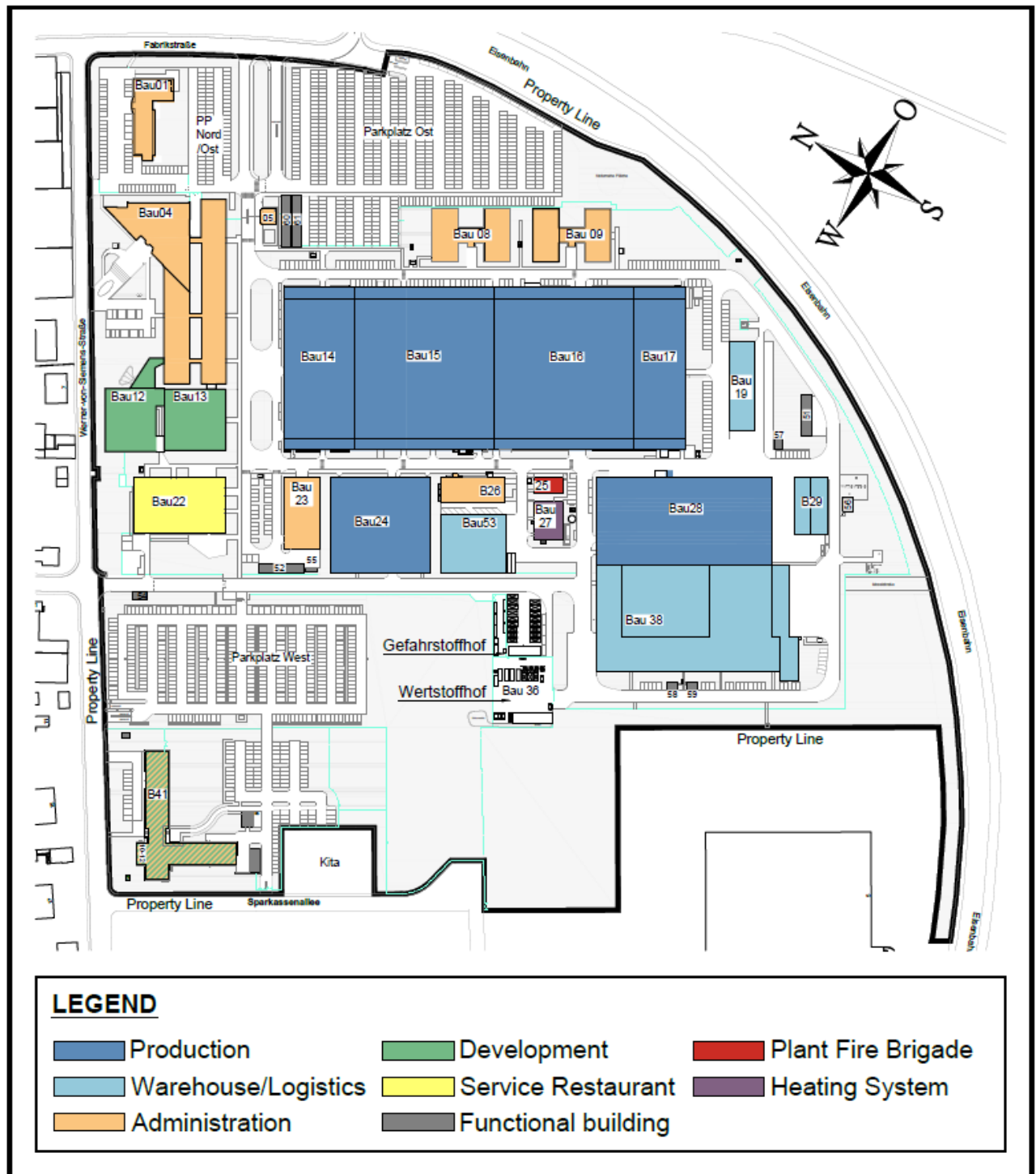
Phases of life-cycle		Environmental aspects									
		Consumption of Energy	Consumption of resources	Consumption of area	Hazardous substances	Water	Waste water	Waste	Emissions	Noise	
1	Extraction of raw materials and transport	2	3	1	-	1	1	1	2	-	
	Production of purchased parts and raw materials und supplies	2	3	1	1	-	-	-	1	-	
	Establishment of production facilities / infrastructure	1	1	2	-	-	-	1	1	2	
	Generation of energy	3	3	1	1	-	2	2	3	-	
	Transportation to the production facilities	2	1	2	1	-	-	-	2	3	
2	Product-Development	1	1	1	1	1	1	2	1	-	
	Process development / planning and procurement of production facilities	1	1	2	1	1	2	1	1	1	
	planning and procurement of infrastructure	1	1	2	-	-	-	1	1	2	
	Procurement of purchased parts and raw materials und supplies	1	2	1	2	-	-	2	1	-	
	Other transport operations (for example of waste)	1	-	-	2	-	-	2	1	-	
3	Operation of production facilities	2	2	1	1	1	1	2	1	1	
	Inhouse transport	1	1	2	1	-	-	-	1	1	
	Disposal of waste	2	1	1	2	-	-	3	2	1	
	Maintenance	1	1	-	1	-	-	1	-	-	
	Service of operational infrastructure	3	-	-	-	2	2	2	3	1	
	Storage	1	-	2	2	-	-	-	1	-	
4	Transport	2	1	2	1	-	-	-	2	3	
5	Use of the products	1	-	-	1	1	1	1	-	1	
6	Product disposal at the end of the life cycle	1	2	1	1	-	-	2	1	1	
	Disposal of production facilities	1	2	2	1	-	-	2	1	1	
	Disposal of operational infrastructure	1	2	2	2	-	-	2	2	2	



Relevance	
-	not relevant
1	low
2	intermediate
3	high
Scope of the EMS	

1.2 Layout of Bensheim site

The site is located at the south of industrial park to west of the City of Bensheim.
The linear distance to the next residential area is approx. 30 m.



1.3 Structure of Dentsply Sirona

Dentsply Sirona Inc., based in Charlotte, North Carolina (USA), is the indirect parent company of the following companies:

- Dentsply Sirona Deutschland GmbH includes the sale and distribution of dental products.
- Sirona Dental Services GmbH is the main legal entity of the companies listed below and essentially includes the Dental Academy (training center) along with further education facilities.
- Sirona Dental Systems GmbH is a subsidiary of Sirona Dental Services GmbH which comprises the R&D as well as the Sales Department for dental products.
- Sirona Technologie GmbH & Co. KG is a subsidiary of Sirona Dental Systems GmbH and produces dental products on its behalf.
- Sirona Immobilien GmbH is also a subsidiary of Sirona Dental Systems GmbH.
- Sirona Verwaltungs GmbH is a subsidiary of Sirona Dental Systems GmbH and does not have active operations.

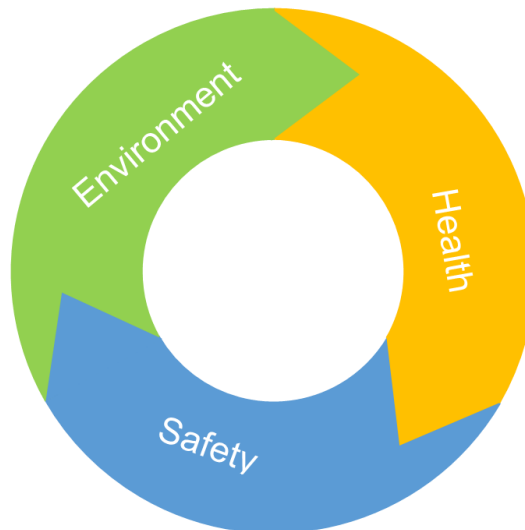
The environmental aspects that are relevant to the operation of the Environmental Management System are identified in the environmental aspect assessment.

1.4 The Activities and manufacturing procedures

Activities and manufacturing procedures	Environmental aspects
Metal cutting and finishing, Parts manufacturing	Electricity consumption for processing machines Use of water contaminating substances Use of hazardous substances
Final assembly / assembly of subassemblies	Electricity consumption for lighting Generation of compressed air Use of hazardous substances
Development of dental medical products	Resource consumption Material selection
Building maintenance / operation	Gas consumption for central heating, water, wastewater, electricity consumption for facilities and lighting
Transport operations	Logistics for material provision, transportation of goods and services employee commuting
Administration	Resource consumption

2. Integrated Management

The Environmental Management System has been part of EH&S Management since 2017. EH&S stands for the terms **E**nvironment, **H**ealth and **S**afety. The EH&S Management System applies to the subsidiaries listed in section 1.3. Within this Environmental Declaration, only the environment is taken into consideration as main scope.



The EH&S-Management-Manual, processes and all work instructions are documented in the Dentsply Sirona Community. All employees have access to this management system via the local intranet.

Environment, Health & Safety



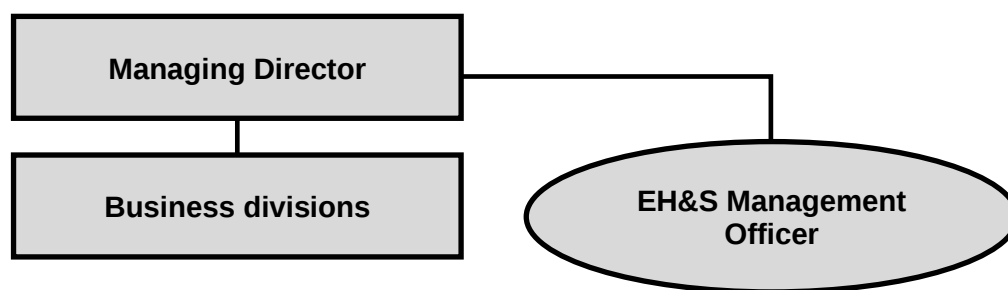
2.1 Executive management

Executive management's tasks are as follows:

- Securing the organization within the field of environment
- Provision of resources
- Definition of the Environmental Policy
- Assessment of the management system
- Approval of the environmental program

2.2 EH&S Management Officer

Executive management has appointed an EH&S Management Officer. This person is responsible for maintaining and developing the EH&S Management System. The EH&S management processes are integrated into the site's existing organizational structure.



The EH&S Management Officer's key tasks in environmental issues are as follows:

- Coordination and tracking all operational and product-related environmental protection activities in accordance with the targets and actions set out in the environmental program
- Planning and leading the eco-audit
- Carrying out management reviews
- Planning internal training measures on environmental topics
- Compiling the Environmental Declaration
- Manage the documentation on the Environmental Management System
- Accepting, processing and evaluating proposed improvements from employees

2.3 Statutory officers

In addition to the EH&S Management Officer the following officers stipulated by statute (by the authorities) are also present at the Bensheim site:

- Hazardous goods officer
- Fire safety officer
- Radiation protection officer

2.4 Voluntary officers

The following officers are appointed voluntarily at the Bensheim site:

- Water protection officer
- Waste compliance officer

Dentsply Sirona is not required to appoint a water protection officer at the Bensheim site in accordance with Section 64 of the German Federal Water Act (WHG), as no wastewater is discharged into water bodies, nor is there any official requirement to appoint an officer in this regard.

The limits specified under Section 2 No. 1 of the waste management compliance officer ordinance (AbfBeauftrV) for the appointment of a waste compliance management officer are not reached. Furthermore, there is no obligation to appoint a waste representative under § 2 No. 2 AbfBeauftrV, since the criteria listed there for taking back packaging and old electrical equipment have been transferred to a third party, which provides the required waste representative.

2.5 Employees and works council

Our integrated management system ensures that all employees and the works council cooperate in environmental protection matters:

- Implementation of codes of conduct (work / operating instructions)
- Employee participation
- Training measures
- Suggestion system

2.6 Continuous improvement

Dentsply Sirona has undertaken to ensure continuous improvement for environmental protection at the Bensheim site. Environmental protection improvements are available as a part of our idea management.

- Audits
- Monitoring
- Corrective and preventive actions
- Management review
- Environmental programs

2.7 Emergencies

The Bensheim site has an emergency organization which ensures that all technical and organizational measures are implemented in the event of an emergency. The recognized factory fire service is a crucial part of this emergency organization. Environmental accidents are some of the items simulated and tested in fire exercises.

Emergency escape and rescue plans have been created. Fire extinguishing and evacuation exercises take place regularly.

2.8 Context of the organization, stakeholders, risks and opportunities

The environmental, health and safety risks and opportunities are the result of the assessment of environmental aspects, the binding obligations and the expectations of stakeholders. The identified risks and opportunities are considered of the setting of objectives and measures, emergencies as well as the definition of operational procedures and control measures.

Opportunities can arise as a result of a situation favorable to achieving an intended result, for example, a set of circumstances that allow the organization to attract customers, develop new products and services, reduce waste or improve productivity. Actions to address opportunities can also include consideration of associated risks. Risk is the effect of uncertainty, and any such uncertainty can have positive or negative effects. A positive deviation arising from a risk can provide an opportunity, but not all positive effects of risk result in opportunities.

Environmental Topic	Stakeholders	Risks Opportunities	Communication
Greenhouse Gas Emissions, CO ₂	Shareholders Executive Directors Employees Supervisory authority Local residents Public	Risks: Global warming, resource consumption Opportunities: Increase in the share of renewable energies, savings potential in consumption	How: Environmental declaration, training, instruction When: Annually and on request Who: EH&S Management Officer and Supervisor
Water Consumption Wastewater	Executive Directors Employees Supervisory authority Local residents Public	Risks: Decrease in groundwater level, threat for the wastewater treatment plant, consumption of resources Opportunities: Preservation of resources	How: Environmental declaration, training, instruction When: Annually and on request Who: EH&S Management Officer and Supervisor
Waste	Executive Directors Employees Supervisory authority Public	Risks: Environmental damage potential, resource consumption Opportunities: Saving raw materials and resources, reducing environmental hazards	How: Environmental declaration, training, instruction When: Annually and on request Who: EH&S Management Officer, Supervisors
Raw Materials and Operating Supplies	Executive Directors Employees Supervisory authority Local residents Public	Risks: Resource consumption, environmental and fire hazard (flammable gases) Opportunities: Saving of raw materials, resources, reduction of environmental and fire hazard	How: Environmental declaration, training, instruction When: Annually and on request Who: EH&S Management Officer, Supervisors
Emissions from Organic Solvents	Supervisory authority	Risks: Health and Administrative Expense Opportunities: Switch to solvent-free cleaner, improvement of health protection, reduce administrative expense	How: Solvent balance sheet When: Annually and if the threshold exceeds Who: Responsible person for the unit
Goods and Services	Executive Directors Employees Local residents Public	Risks: Emissions, traffic Opportunities: Reduction of emissions and traffic	How: Traffic counting When: On request Who: Site Management

Theme, Environmental status	Interested Parties	Risks Opportunities	Communication
Noise	Employees Local residents Suppliers Contractors Visitors	Risks: Hardness of hearing as an occupational disease, complaints from local residents Opportunities: Raising Awareness to employees and contractors	How: Instruction to Employees, feedback on complaints When: Annually and on request Who: Supervisors, EH&S Management Officer, Executive Directors
Lighting	Environmental Associations Residents Public	Risks: Disruption of residents and fauna Opportunities: Consensus with neighbors and fauna	How: Feedback on complaints When: On request Who: EH&S Management Officer, Executive Directors
Employee Commuting	Executive Directors Employees Local residents Public Supervisory authority	Risks: Emissions, traffic, complaints from local residents Opportunities: Reduction of emissions and traffic, Consensus with neighbors	How: Feedback on complaints When: On request Who: EH&S Management Officer, Executive Directors
Accidents with hazardous substances	Executive Directors Employees Supervisory authority Local residents Public Clients	Risks: Accident, environmental contamination Opportunities: Prevention of accidents	How: Report of the Dangerous Goods Officer, instruction When: Annually and on request Who: EH&S Management Officer, Dangerous Goods Officer
Construction work	Executive Directors Local residents Supervisory authority	Risks: Reduction of biodiversity Opportunities: Preservation of biodiversity	How: Environmental declaration, feedback to the complainant When: Annually and on request Who: Executive Directors, BSM
Life cycle analysis of products	Executive Directors Supervisory authority Clients	Risks: Compliance with legal requirements, high environmental impact potential Opportunities: Reduction of environmental impact and emissions, saving of resources	How: Declaration of conformity Assessment of relevant environmental aspects When: During product development / modification, on request Who: DQA
Energy efficiency of the infrastructure	Executive Directors Supervisory authority	Risks: Non-compliance with relevant environmental laws, resource consumption Opportunities: Saving resources, reducing emissions	How: Building permit When: On request Who: Executive Directors, Site Management
Behaviour of contractors	Executive Directors Contractors Supplier	Risks: Emissions, traffic, potential for environmental impact, resource consumption Opportunities: Reduction of emissions and traffic	How: Information When: When ordering services from contractors Who: Site Management
Compliance with relevant environmental laws	Shareholders, Executive Directors, Employees, temporary workers, Clients, Supervisory authority	Risks: Non-compliance with relevant environmental laws, Penalty and Liability Risks Opportunities: Transparent relationship with the supervisory authority	How: Legal compliance audits When: Audits, Management-review Who: Auditor, EH&S Management Officer

3. EH&S Policy

Leading environmental, health and safety (EHS) performance is foundational to our culture and vital to our competitive strength - benefitting our people, customers, communities, the environment, and shareholders.

OUR EHS COMMITMENTS:

- The safety and health of our People by providing a safe and healthy working environment;
- Environmental stewardship by sound pollution prevention practices and conservation of natural resources;
- Safe and compliant products by product stewardship risk management throughout the entirety of the product lifecycle; and
- EHS regulatory compliance by robust regulatory applicability assessment and compliance assurance processes.

Dentsply Sirona's Global EHS Standards serve as our framework for safe, healthy, and environmentally responsible operations, products, and services. We regularly review key EHS aspects at the local and corporate levels to identify continuous improvement opportunities with the goal to achieve and sustain EHS performance excellence. Compliance with all applicable EHS regulations is an expectation and baseline requirement for doing business.

PRINCIPLE EHS EXPECTATIONS:

- Establish the critical importance of the health and safety of our employees, communities, and protection of our environment.
- Identify and control health and safety risk in the workplace to reduce the number and severity of workplace injuries and illnesses.
- Empower employees and supporting employee accountability to ensure safe practices and conditions are consistently achieved.
- Partner with suppliers in alignment with our EHS principles and objectives and considering their ability to operate in an EHS responsible manner.
- Collaborate with our customers to support their EHS needs.
- Maximize material efficiencies to reduce impacts on biodiversity and natural resources.
- Minimize generation of solid and hazardous waste, and reuse or recycle where feasible.
- Optimize water consumption and reduce impacts on high water-stress aquifers.
- Optimize energy and resource use with a goal of reducing greenhouse gas emissions.
- Improve risk associated with physical and natural disasters.
- Integrate sustainable EHS practices where feasible.

Leadership will consistently demonstrate EHS behaviors fostering a culture that empowers and supports all employees to make sound EHS decisions. To facilitate this, Dentsply Sirona provides training, resources, and ongoing support for employees to recognize and implement responsible EHS practices.

EHS targets and objectives are established by senior leadership, approved by the Board of Directors, and communicated employees and other key stakeholders. They are measured and evaluated regularly to drive continuous EHS performance improvement.

4. Environmental aspects

Environmental aspects relate to those aspects of an organization's activities, products and services which can have an impact on the environment. A distinction is made between direct and indirect environmental aspects.

Environmental aspects	Environmental effects	Production ^{*)}		Product ^{*)}		Emergency ^{*)}	
		direct indirect	signifi- cant	direct indirect	signifi- cant	direct indirect	signifi- cant
Electricity consumption	Global warming, consumption of resources	direct	yes	indirect	no	n/a	n/a
Natural gas consumption	Global warming, consumption of resources	direct	yes	n/a	n/a	n/a	n/a
Heating oil consumption	Global warming, consumption of resources	direct	yes	n/a	n/a	n/a	n/a
Fuel consumption	Global warming, consumption of resources	direct	yes	n/a	n/a	n/a	n/a
Consumption of resources	Environmental impairment, consumption of resources	direct	yes	n/a	n/a	n/a	n/a
Land usage	Loss of biodiversity, Sealing of area	direct	yes	n/a	n/a	n/a	n/a
Handling with hazardous substances	Environmental impact	direct	yes	indirect	yes	direct	yes
Hazardous waste	Environmental impairment, consumption of resources	direct	yes	indirect	yes	direct	yes
Non- hazardous waste	Environmental impairment, consumption of resources	direct	no	indirect	no	direct	yes
Water / wastewater	Consumption of resources, wastewater	direct	yes	indirect	yes	direct	yes
Emissions	Generation of ozone, pollution of the local environment	direct	yes	n/a	n/a	direct	yes
Emissions from electricity consumption	Global warming, consumption of resources	indirect	yes	n/a	n/a	n/a	n/a
Emissions from company vehicles	Traffic, emissions, fine dust	direct	yes	n/a	n/a	n/a	n/a
Emissions from other vehicles	Traffic, emissions, fine dust	indirect	no	n/a	n/a	n/a	n/a
Emissions of noise and vibrations	Disruption of the neighbors, noise, hardness of hearing	direct	yes	indirect	yes	direct	yes

^{*)} **Production:** Environmental aspects from the **production of products and services**

Products: Environmental aspects through the **products (use / disposal)**

Emergency situations: Environmental aspects as a consequence of **non-stipulated conditions / emergency situations**

n/a = not applicable or out of scope

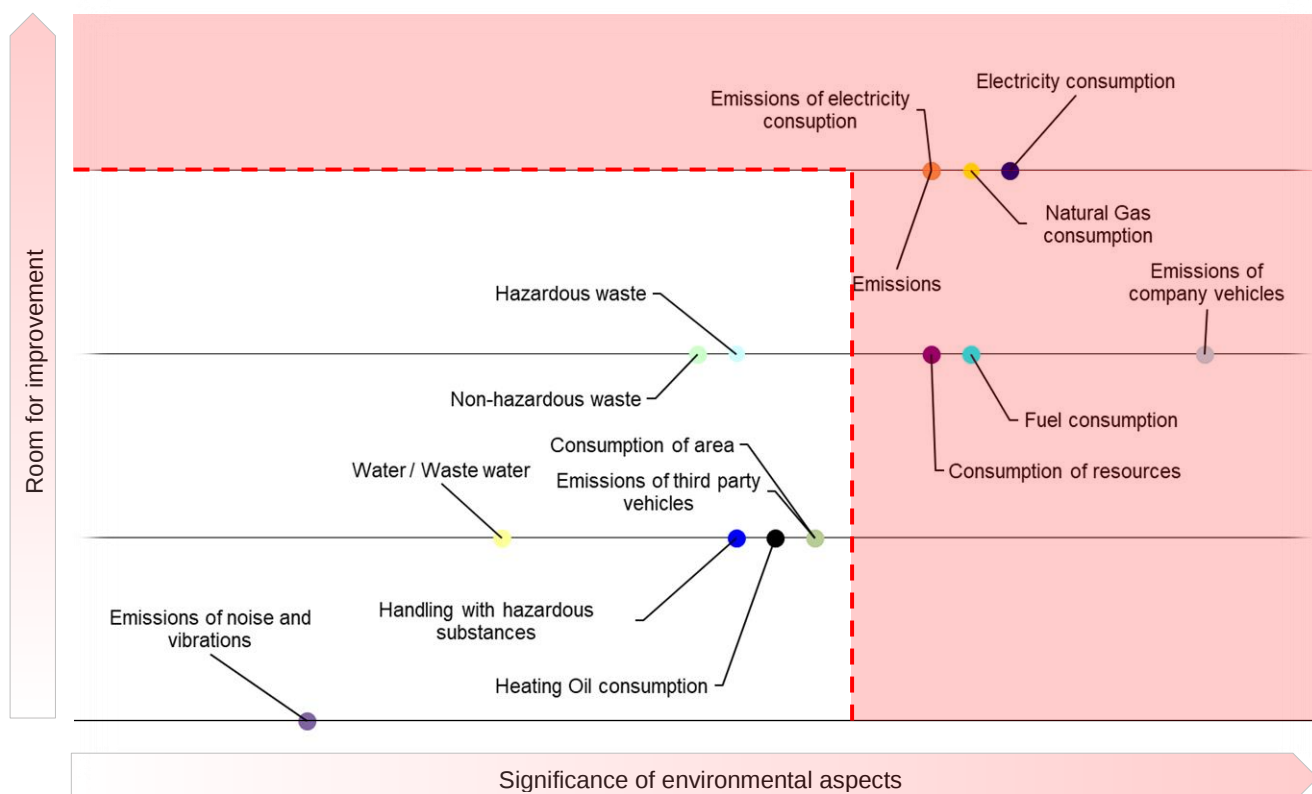
Direct environmental aspects can be controlled and influenced by the organization. By contrast, indirect environmental aspects cannot be controlled or influenced to their full extent by the organization. Dentsply Sirona has determined all significant environmental aspects and categorized them according to the following criteria (see table above):

- Environmental aspects of manufacturing products and services
- Environmental aspects through the products (use / disposal)
- Environmental aspects as a result of undetermined conditions and emergency situations.

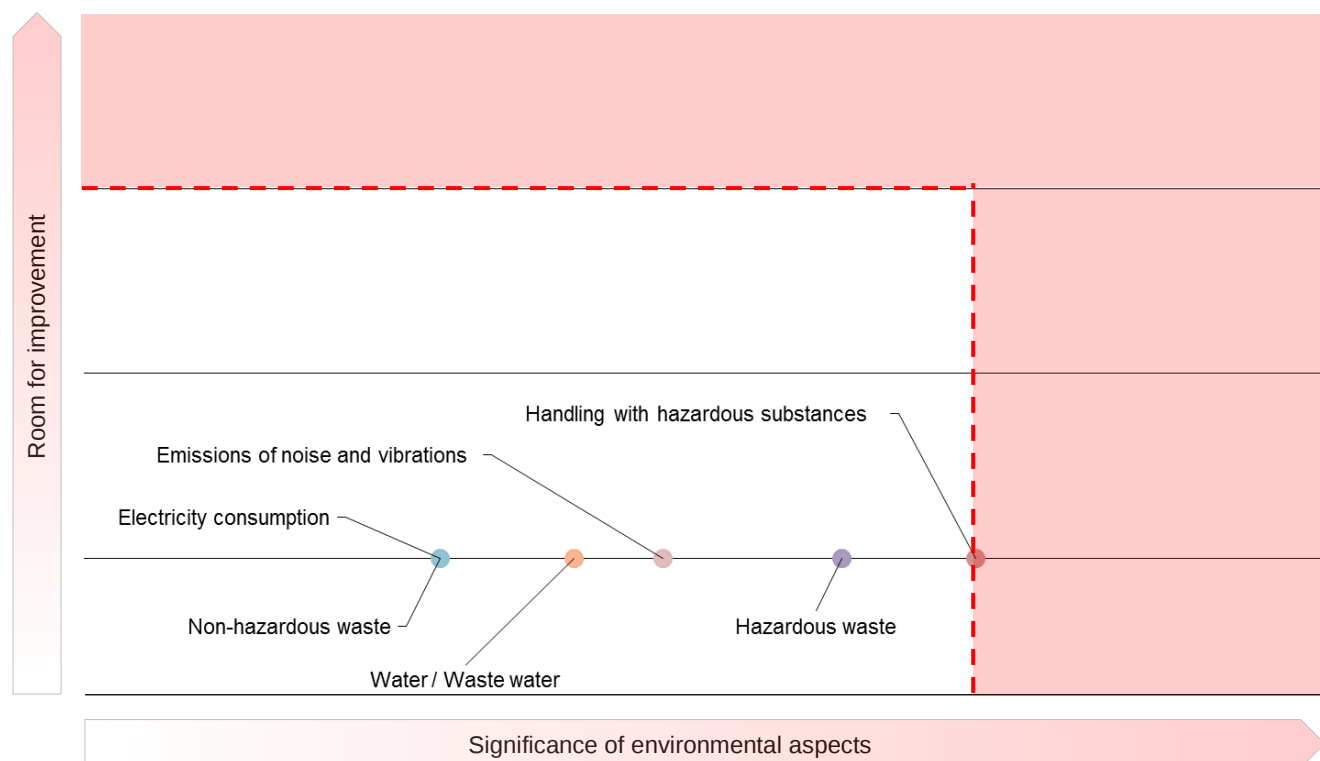
4.1 Evaluation of the environmental aspects

Environmental aspects are assessed by the organization with respect to environmental risks and potential improvements in order to define the targets and programs of environmental protection. The risk potential is calculated by a mathematical process based on the pollution on the local, regional and global environment, as well as the significance, quantity and costs involved. The company has set limits that imply a need for action. The aspects shown in the following diagrams in the red shaded area form the basis for potential environmental objectives and programmes.

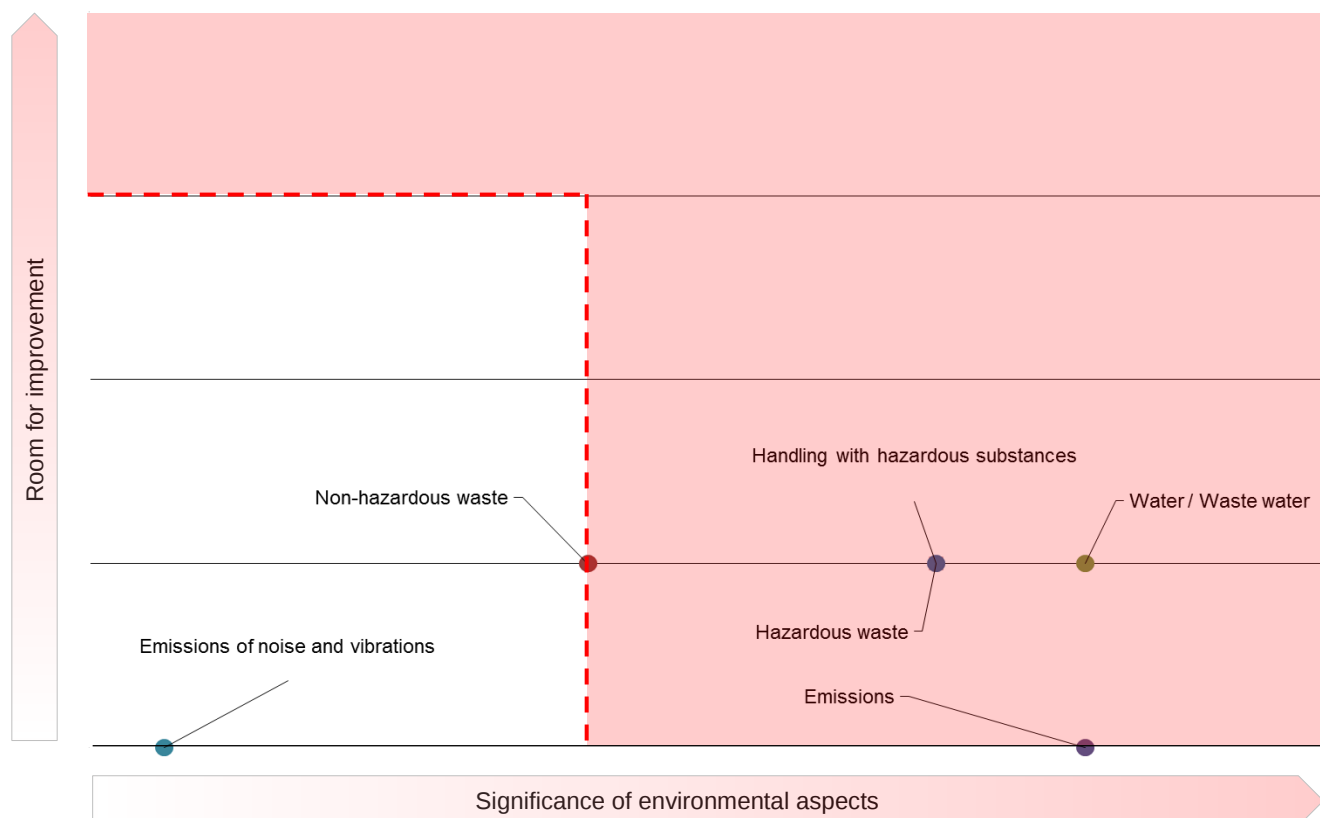
4.1.1 Environmental aspects from the production of products and services



4.1.2 Environmental aspects through the products (use / disposal)



4.1.3 Environmental aspects as a consequence of non-stipulated conditions / emergency situations



5. Environmental targets and programs

Environmental targets and programs are initiated based on potential for improvement and the importance of environmental aspects. The management is responsible for fulfilling the environmental targets and programs. Implementation of the programs is monitored by the EH&S Management Officer.

The implementation status is documented as follows:

- = objective achieved
- = ongoing process / implementation scheduled
- = objective predominantly achieved
- = objective not achieved, still not started or cancelled

5.1 Environmental targets and programs 2020 - 2022

Dentsply Sirona sets targets for reducing CO₂ emissions at its Bensheim site.

The conversion factor MWh → t CO₂ is based on 2019 values provided by the electricity supplier.

Climate protection ●●●	
Environmental target:	Procurement of electricity from renewable sources. The Bensheim site has committed itself to a renewable electricity share of more than 45% for the next three years. The aim is to support the national initiatives to increase the proportion of regenerative electricity. (German target value 40% - 45% by 2025).
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Consideration of the target value when purchasing electricity
Responsible:	Purchasing
Date:	Ongoing
Status:	Share 2020: 65% Share 2021: 65%

Climate protection ●●○	
Environmental target:	Electricity savings of 436 MWh/year and reduction of CO ₂ emissions by 141 t/year when operating the production machines. This corresponds to a reduction in energy consumption during non-production times (weekends, holidays and plant closures) of approx. 19%.
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Installation of the lowering mode for large production machines
Responsible:	Site Management / Production
Date:	Until 31 th of December 2022
Status:	Reduction mode was initiated for the production machines. The installation of the technology required to measure the electricity consumption of the machines is planned for the end of 2022. A quantitative assessment cannot be made until 2023.

Climate protection ●●○	
Environmental target:	Electricity savings of 411 MWh/year and reduction of CO ₂ emissions by 133 t/year by converting the lighting in production hall 14. Reference value 2019: 549 MWh (reduction by approx. 75%)
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Conversion of the lighting to LED lighting with intelligent control
Responsible:	Site Management
Date:	Until 31 th of December 2022
Status:	The replacement of the lighting in building 14 has been budgeted and approved for 2022.

Climate protection ●●●	
Environmental target:	Electricity savings of 12 MWh/year and reduction of CO ₂ emissions by 4 t/year through the conversion of the hot water supply in the changing rooms in Building 14 East and Building 14 West. Reference value 2019: 16 MWh (reduction by approx. 75%)
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Conversion of hot water preparation to heat pump technology
Responsible:	Site Management
Date:	Until 31 th of December 2022
Status:	The conversion took place in the calendar year 2020. The electricity savings were calculated from the technical data of the water heaters and confirm the achievement of the target savings of 12 MWh/year.

Climate protection ●●○	
Environmental target:	Electricity savings of 90 MWh/year and reduction of CO ₂ emissions by 29 t/year by optimizing compressed air consumption. Reference value: Estimation.
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Minimization of leakages, optimization of compressor operation
Responsible:	Site Management
Date:	Until 31 th of December 2022
Status:	Installation of the measuring technology for compressed air volume measurement has been carried out. Regular inspection of the compressed air system for leakage detection and elimination has been initiated. The electricity savings were calculated on the basis of empirical values. Installation of measuring equipment for electricity consumption in 2021. Initial analyses are in progress.

Climate protection ●●○	
Environmental target:	Saving heating energy
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Replacement of the shed roof glazing in the production hall building 16. Heat transfer coefficient of the old glazing: 5.83 W/(m²K) Heat transfer coefficient of the new glazing: 1.20 W/(m²K)
Responsible:	Site Management
Date:	Until 31 th of December 2022
Status:	Project started, execution in calendar year 2022.

Climate protection ●●○	
Environmental target:	Improvement of energy monitoring
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Expansion of the energy monitoring and building control system
Responsible:	Site Management
Date:	Until 31 th of December 2022
Status:	Ongoing process, energy monitoring is continuously improved.

Climate protection ●●○	
Environmental target:	Improvement of monitoring in the area of fleet management
Risks:	Intensification of the greenhouse effect
Opportunities:	Reduction of emissions, cost savings, sustainability
Actions:	Acquisition of an evaluation tool to determine the fuel consumption and mileage of company vehicles
Responsible:	Site Management
Date:	Until 31 th of December 2022
Status:	Procurement of software and start of data input in 2021.

Saving resources		○○○
Environmental target:	Water saving in the sanitary rooms	
Risks:	Resource consumption	
Opportunities:	Savings in raw materials, cost savings, sustainability	
Actions:	Conversion of the wash basin fittings to water-saving aerator controls	
Responsible:	Site Management	
Date:	Until 31 th of December 2022	
Status:	Planned in 2022.	

Saving resources		●●○
Environmental target:	Substitution of crude oil as cooling lubricant in production to GTL oil. Exchange volume: 39 m ³	
Risks:	Resource consumption	
Opportunities:	Saving raw materials, reducing emissions, saving costs, sustainability, skin and fire protection	
Actions:	Conversion from petroleum-based cooling lubricants in metal-cutting production to cooling lubricants based on natural gas (GTL Gas to Liquid) produced during petroleum extraction. GTL oil is free of mineral oil, which is produced from waste products during oil extraction. GTL oil is free of aromatics, nitrogen, heavy metals, sulfur, zinc and chlorine compounds. In addition, GTL oil is expected to have a significantly longer service life. GTL oil also has fewer skin-damaging properties. The high flame point has a positive effect on fire protection for cooling lubricants that are not mixed with water.	
Responsible:	Site Management	
Date:	Until 31 th of December 2022	
Status:	2020: approx. 27% of the cooling lubricant has been replaced. 2021: approx. 66% of the cooling lubricant has been replaced.	

6. Important environmental data and figures

The environmentally relevant data and figures presented below are related to the number of employees at the Bensheim site. The following table shows the number of employees and also the development of the gross floor area.

Year	2018	2019	2020	2021
Number of employees at the Bensheim site	2,027	2,197	2,167	2,216
Gross floor area at the Bensheim site [m ²]	89,096	89,096	89,776	89,776

Due to the SARS-CoV-2 pandemic, large parts of the plant were completely shut down during the first lockdown starting in April 2020. In the following months, production was gradually resumed. Since October 2020, the production side of the site has been back in normal operation. To date, however, many employees are still in mobile working.

In 2021, the following environmentally relevant constructions and conversions were realized:

- Conversion of the lighting to LED technology in building 38
- The grease separator for the canteen (building 22) was replaced
- Renewal of the heating system in building 41 and building 01
- Renewal of parts of the piping system for drinking water supply
- Renewal of the refrigeration dryer for the compressed air systems (building 27) with refrigerant of better GWP value (reduction of approx. 105 t CO₂ equivalent)
- Replacement of several windows in building 14-17
- Extension of the building control and the energy management system
- Completion of the recirculating chilled water system with significantly lower GLP value (reduction of approx. 150 t CO₂ equivalent)
- Procurement of an electric pool vehicle, partial conversion to hybrid vehicles (vehicle fleet) and installation of an e-charging station for vehicles

6.1 Generation of energy, energy flow and energy consumption

The energy sources used at the Bensheim site are electricity, natural gas, heating oil, diesel and gasoline. Natural gas is used for heating; light fuel oil is only used in emergencies situations when an adequate supply of natural gas is not available or to operate the emergency power generators. The prescribed monthly test runs of the emergency power generators cause a fuel oil consumption of approx. 2.4 m³/year. In relation to the total energy consumption this is negligible (share < 1‰). Diesel and petrol are used as fuels for company vehicles.

6.1.1 Energy, total consumption

Year	2018	2019	2020	2021
Natural gas [MWh]	5,912	6,215	5,632	7,203
Electricity [MWh]	13,459	13,146	11,089	12,610
Fuels for company vehicles [MWh]	-*	7,625	6,846	7,098
Energy, total consumption [MWh]	19,371	26,986	23,568	26,911
Energy, total consumption [MWh] / employee	9.56	12.28	10.88	12.14

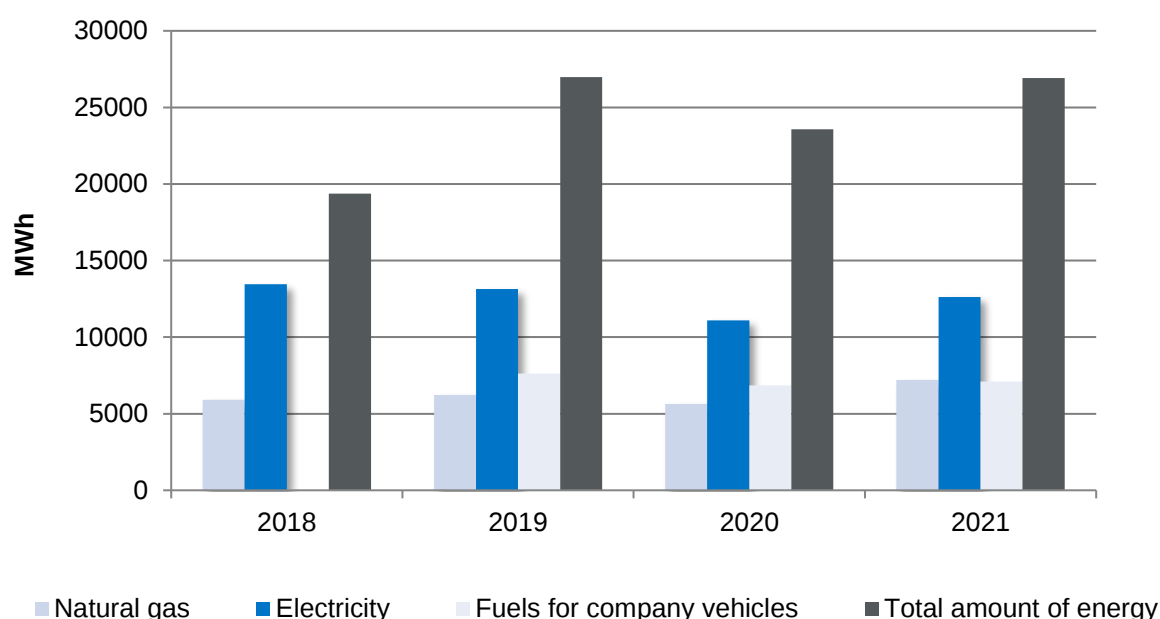
*No data on fuel consumption is available.

The increase in total energy consumption by almost 40% between 2018 and 2019 results from the fact that, from 2019, the fuel consumption of company vehicles will also be considered. Employee-related energy consumption records an increase of 28.5% for the same reason. Energy consumption has increased by 14,2 between 2020 and 2021, employee-related energy consumption has increased by 11,7% during this period.

The significant decrease in energy consumption for gas and electricity in 2020 is due to the reduction in operational activities for several weeks due to the first and second lockdown. In 2021, the effects of the pandemic are still being felt. Many employees continue to be on mobile working, and in parallel, shifts have been equalized in terms of time in order to reduce personal contacts as far as possible.

Gas consumption has increased in 2021 and is higher than in 2019 due to the change in intensive ventilation behavior in the work areas. Electricity consumption in 2021 is higher than in 2020, but below the level of 2019, reflecting the savings measures of recent years.

Energy consumption



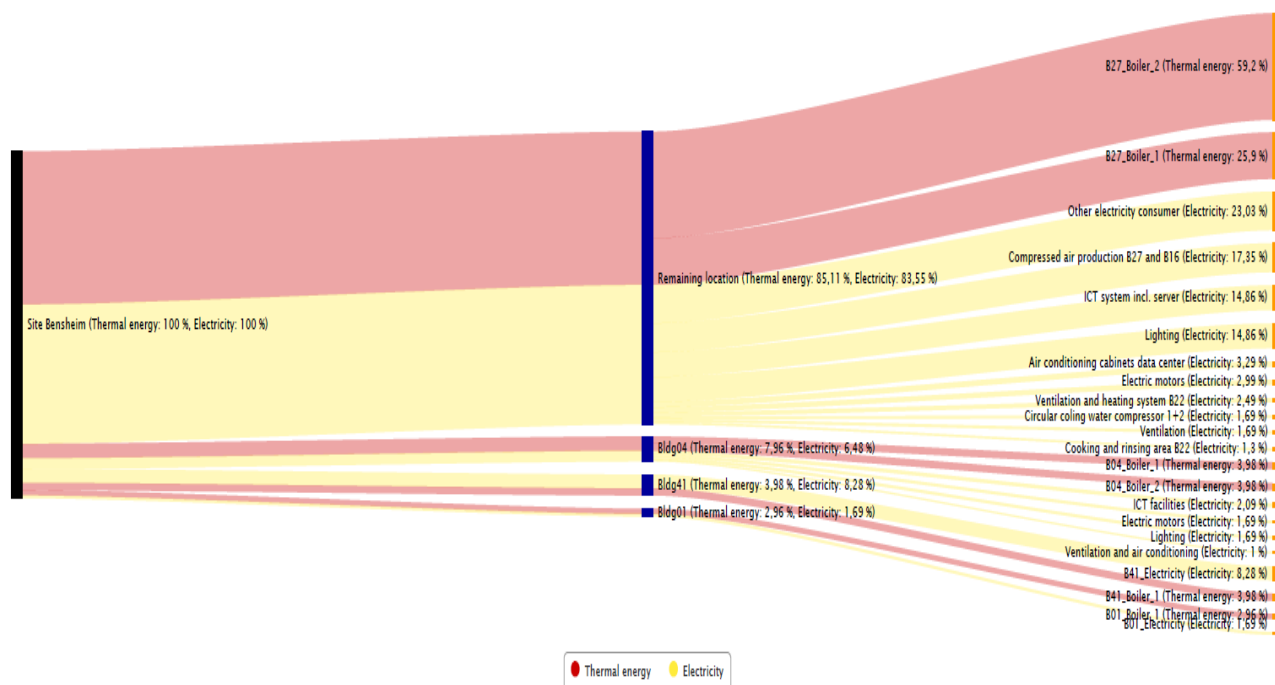
6.1.2 Generation of energy

On the roof of building 41 a photovoltaic system with an area of 240 m² and a capacity of 29.4 kWp is installed. The photovoltaic system was taken over in July 2018 by Dentsply Sirona.

Year	2018	2019	2020	2021
Generation of energy (photovoltaic system) [kWh]	13,500	33,652	33,797	32,503

6.1.3 Energy flow

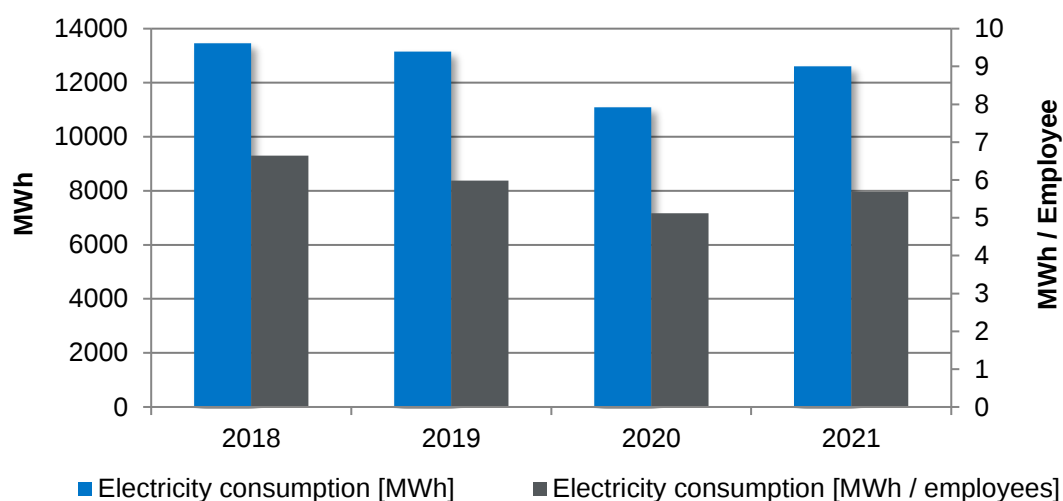
The percentage energy distribution of the location is stated below:



6.1.4 Electricity consumption

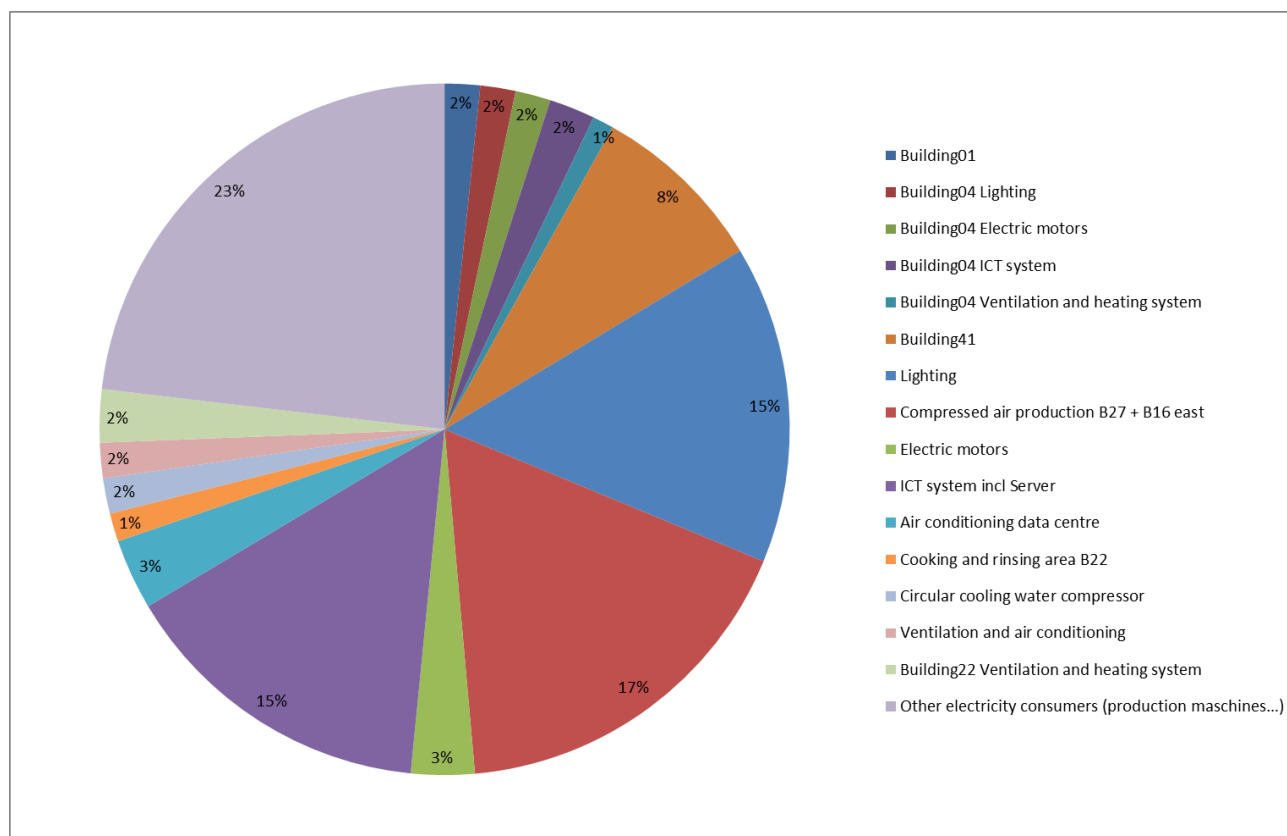
Year	2018	2019	2020	2021
Electricity consumption [MWh]	13,459	13,146	11,089	12,610
Electricity consumption [MWh / employee]	6.64	5.98	5.12	5.69
Proportion of renewable energies [%]	53.3	55.7	65.0	65.1
CO ₂ Emissions [g/kWh]	319	323	239	246

Electricity consumption



Electricity consumption has recently increased by 13.7% between 2020 and 2021, in relation to the number of employees the consumption increased by 11.2% in the same period.

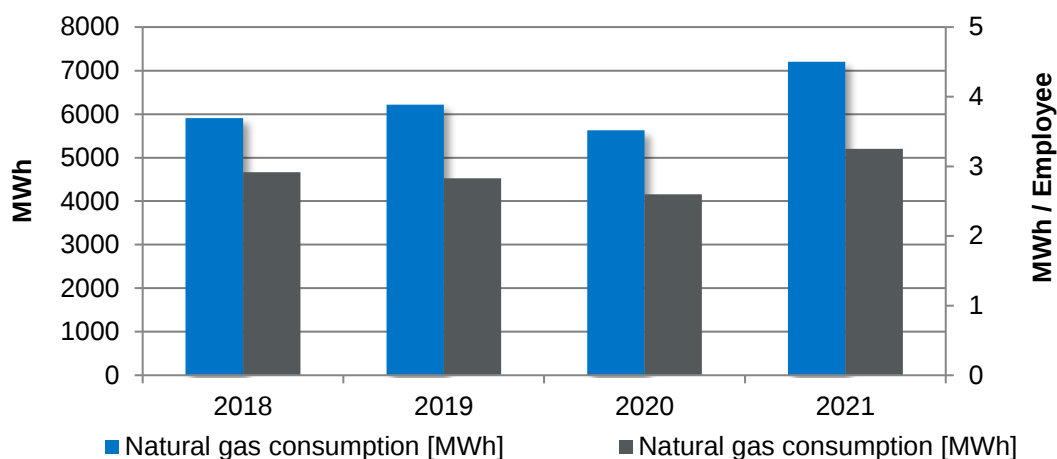
The distribution percentage of electricity can be allocated to consumption points as follows:



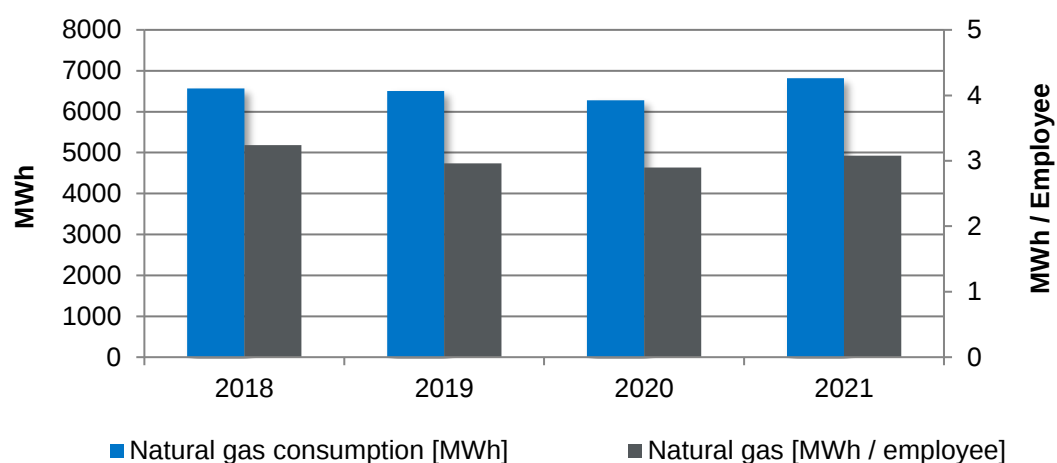
6.1.5 Natural gas consumption

Year	2018	2019	2020	2021
Natural gas consumption [MWh]	5,912	6,215	5,632	7,203
Natural gas consumption weather-adjusted [MWh]	6,569	6,504	6,277	6,818
Natural gas [MWh / employee]	2.92	2.83	2.60	3.25
Natural gas weather-adjusted [MWh/ employee]	3.24	2.96	2.90	3.08
Natural gas [kWh / m² gross floor area (GFA)]	66.35	69.75	62.74	80.23
Natural gas weather-adjusted [kWh / m² GFA]	73.73	73.00	69.92	75.94

Natural gas consumption



Natural gas consumption weather-adjusted



Gas consumption increased by 27.9% in absolute terms between 2020 and 2021, also considering for weather-adjusted 8.6% increased. Natural gas consumption per employee increased by 25.1% and increased 6.2% for weather-adjusted data.

6.1.6 Fuel consumption by company vehicles

Year	2018	2019	2020	2021
Number of company vehicles	-	374	428	436
Total fuel consumption [l]	-	789,136	706,939	733,362
Average fuel consumption [l] per vehicle	-	2,110	1,652	1,682

6.1.7 Water consumption and wastewater volumes

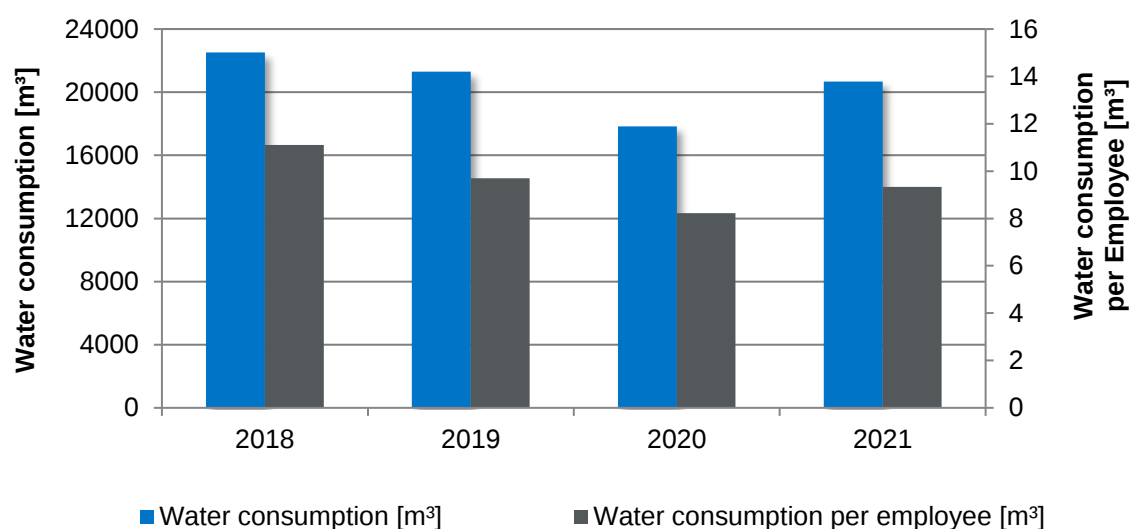
Dentsply Sirona at the Bensheim site obtains its water from the public mains of the City of Bensheim. Water is used primarily as drinking water, for sanitary purposes for employees (wastewater), for watering the green areas, in the production areas and for carrying out construction measures.

Aside from a 300 m³ water tank for supplying the sprinkler system (fire protection) there is also a well for extinguishing water available on the company premises. The largest quantity of extinguishing water required is drawn from the city mains as needed.

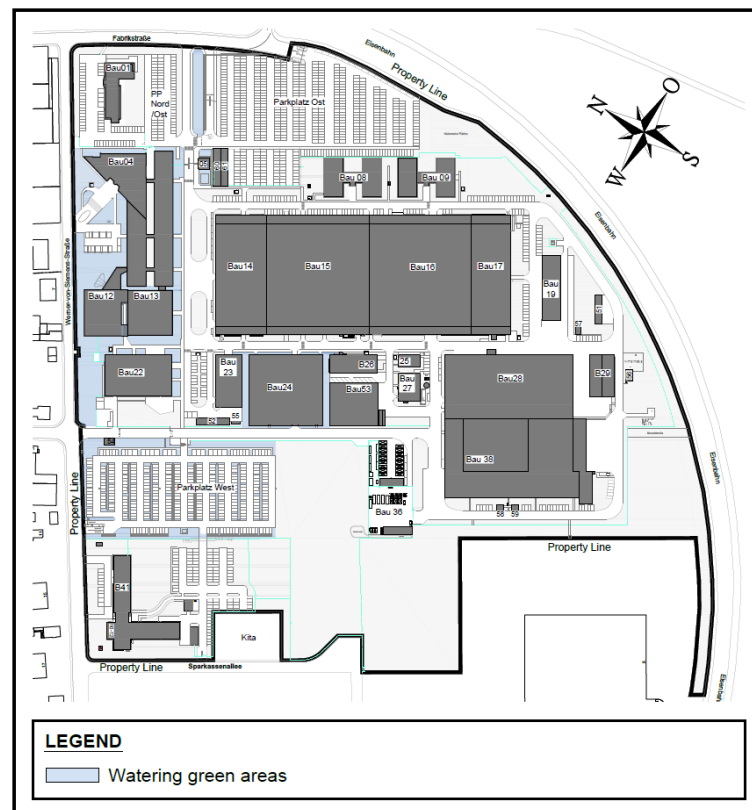
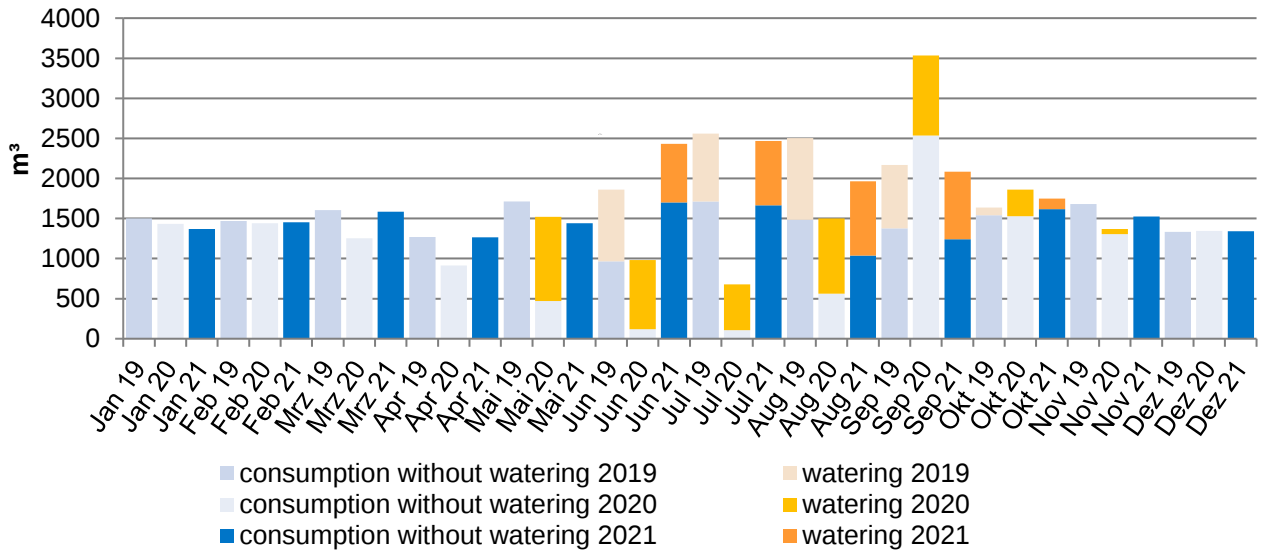
Year	2018	2019	2020	2021
Water consumption [m ³]	22,517	21,298	17,831	20,674
Water consumption in m ³ per employee	11.11	9.69	8.23	9.33

Fluctuations in water consumption are essentially caused by volumes needed for watering the green areas, the number of employees at the site and ongoing construction measures.

Water consumption



Irrigation share of water consumption



All sanitary wastewater and wastewater from the drainage of streets and parking lots is discharged into the sewerage system. Wastewater from the canteen is discharged into the sewerage system via a grease separator, while oily wash water is discharged via a petrol/oil separator. The requirements of the wastewater regulations are complied with the drainage statutes.

6.2 Raw materials and supplies

An important goal is to minimize material consumption while fulfilling customer requests. In addition to the positive environmental impact, this also leads to have favorable economic effects, as costs are generally reduced consequently.

Material in the production process (in tons) (not including pre-assembled components/trade goods)	2018	2019	2020	2021
Metals	Tons per year			
Aluminum	6.90	6.63	7.62	11.10
Brass	17.30	14.63	5.81	11.00
Steel	85.30	84.69	65.16	81.53
Titanium	2.20	2.03	2.37	2.34
Auxiliary materials and supplies	Tons per year			
Oil-based cooling lubricants (cutting oil)	23.74	25.67	18.30	41.90
Water-miscible cooling lubricant (emulsion)	1.74	1.58	0.79	1.41
Transformer oil*	18.61	28.77	19.49	28.93
Other oils	4.18	3.37	3.56	4.41
Solvents	4.03	3.17	3.20	4.07
Technical gases	Tons per year			
Argon	15.70	11.89	11.24	16.42
Nitrogen	6.60	6.50	7.06	6.86
Hydrogen	1.47	1.42	0.56	0.53
Total	187.77	190.35	145.16	210.50
Material usage [tons per employee]	0.09	0.09	0.07	0.09

* Only used as a thermal oil for sealing x-ray tube assemblies

Paper consumption (sheets per year)	2018	2019	2020	2021
printed pages	4,695,750	4,226,600	2,976,500	3,315,750
Number of employees at the Bensheim site	1,692*	1,719*	1,589*	1,601*
Material consumption [sheet / employee]	2,775	2,459	1,873	2,071

* Employees of the Dentsply Sirona Deutschland GmbH are not included.

6.3 Hazardous materials and water contaminating substances

All hazardous materials are recorded in a Hazardous Materials Directory. The controlled introduction of hazardous materials is regulated by a release and approval process. The Bensheim site is a specialized company in accordance with the requirements under the German Water Management Act. The processes for handling water contaminating substances are governed in work and operating instructions. The entrepreneurial obligations for which the managers are responsible in this context are assigned to them in writing. The managers are assigned for this context in written form as a part of their responsibility.

6.4 Emissions

6.4.1 Calculation of emissions for the heating system

Year	2018	2019	2020	2021
CO [t]	0.77	0.81	0.73	0.93
CO ₂ [t]	1,375	1,446	1,310	1,676
CO ₂ weather adjusted [t]	1,528	1,513	1,460	1,586
NO _x [t]	1.18	1.24	1.13	1.44
SO ₂ [t]	0.08	0.09	0.08	0.10
Fine dust [t]	0.03	0.03	0.03	0.04
CO ₂ [t / employee]	0.68	0.66	0.60	0.76
CO ₂ weather adjusted [t / employee]	0.75	0.69	0.67	0.72

CO₂ emissions from the heating system increased by 27.8% between 2020 and 2021 and by 8.6% when adjusted for weather conditions. In relation to the number of employees, CO₂ emissions from the heating system increased by 25.1% between 2020 and 2021 and by 6.2% when adjusted for weather conditions.

6.4.2 Calculation of CO₂ emissions from electricity generation

The emissions from electricity consumption are accumulated from the energy utility company's relevant power plant, where the CO₂ ratios (stated below) were calculated for our site.

Year	2018	2019	2020	2021
CO ₂ [t]	4,293	4,246	2,650	3,102
CO ₂ [t / employee]	2.12	1.93	1.22	1.40

In relation to the number of employees, CO₂ emissions from power generation increased by 17,0% between 2020 and 2021. In relation to the number of employees the CO₂ emissions from power generation increased by 14,5%.

6.4.3 Calculation of CO₂ emissions from company vehicles

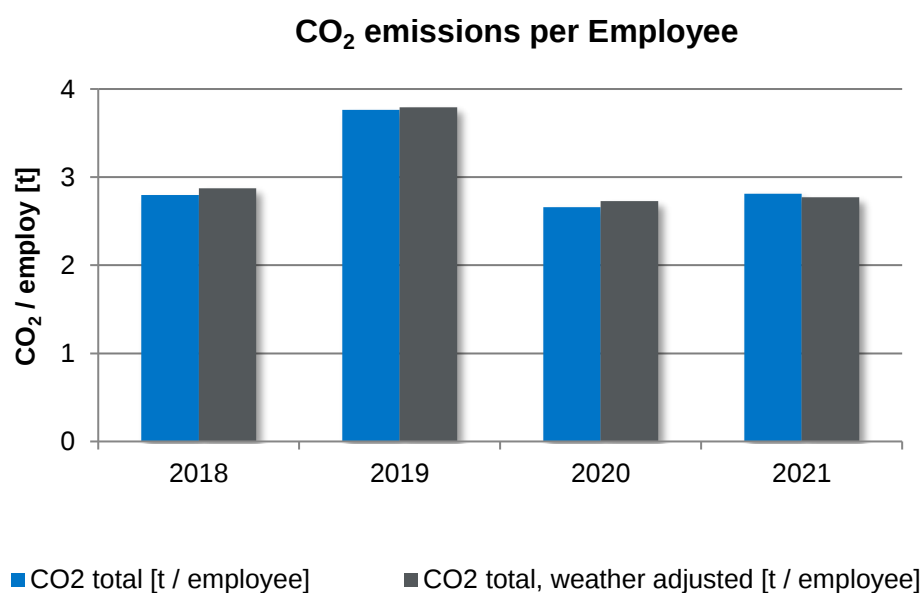
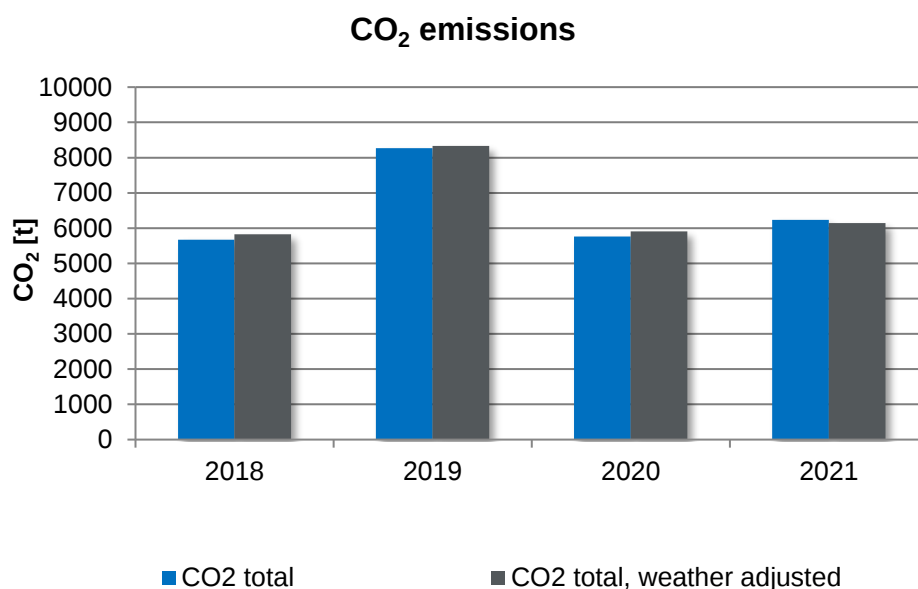
Year	2018	2019	2020	2021
Ø (WLTP-Value) CO ₂ / vehicle [g/km]	-	159	155	127
CO ₂ [t]	-	2,574	1,798	1,455

6.4.4 Total CO₂ emissions (heating, electricity, company vehicles)

Year	2018	2019	2020	2021
CO ₂ total [t]	5,669	8,266	5,759	6,233
CO ₂ total weather adjusted [t]	5,822	8,334	5,909	5,144
CO ₂ total [t / employee]	2.80	3.76	2.66	2.81
CO ₂ total weather adjusted [t / employee]	2.87	3.79	2.73	2.77

Total CO₂ emissions rose by 45.8% between 2018 and 2019 (43.1% when weather-adjusted conditions considered). This is due to the fact that CO₂ emissions from company vehicles were only included in total emissions from 2019 onwards.

Total CO₂ emissions increased by 8,2% (4,0% weather-adjusted) from 2020 to 2021. In relation to the number of employees in this time period, CO₂ emissions increased by 5,8%. (1,7% weather-adjusted)



6.4.5 Noise emissions

The noise emissions into neighboring residential areas are well below official requirements. Noise emissions only arise at the company premises from:

- Intra-company traffic from battery-operated ground conveyors and stackers
- Ventilation systems
- Trucks (deliveries and removals)
- Employee traffic

6.4.6 Emissions of volatile organic compounds

Sirona Dental Systems GmbH and Sirona Technologie GmbH & Co. KG operate cleaning and de-greasing systems using solvents. Slightly volatile organic solvents are in use. No solvents are used at the site based on fully fluorinated hydrocarbons or that feature carcinogenic, mutagenic or repro-toxic properties.

Company	Solvent consumption 2021
Sirona Technologie GmbH & Co. KG	1,716 kg / year
Sirona Dental Systems GmbH	70 kg / year
Total	1,786 kg / year

The systems at Sirona Technologie GmbH & Co. KG have been reported to the supervisory authority in accordance with 31. Federal Emission Protection Act. A solvent log report must be prepared for these systems. This log report states that the emissions of slightly volatile organic solvents amount to 0.05%. The permissible limit is 20%.

6.4.7 Emissions from greenhouse gases

Emissions of the greenhouse gases N_2O , NF_3 , CH_4 , H-FKW, FKW, PFC, and SF_6 are not assessed as relevant. Refrigeration systems in place at the Bensheim site are operated using a closed cooling circuit. The refrigeration systems are checked for tightness regularly in accordance with the statutory regulations.

6.5 On-site waste

Waste is divided into hazardous and non-hazardous waste, which are classified as waste for recycling and waste for disposal. In order to achieve a high recycling rate of the waste, waste separation is monitored.

Electrical devices from customers are not included in the following overviews. The operating instructions provide the customer with the information required for the disposal of old equipment. The return and recycling are carried out by a contractor.

Statistics of waste quantities

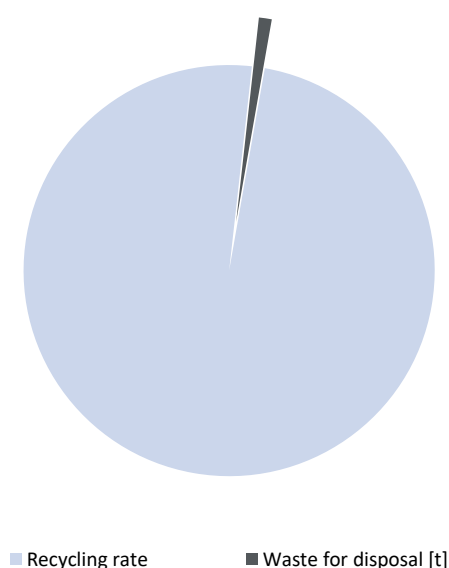
Year	2018	2019	2020	2021
Total waste quantity [t]	1,814	1,658	970	1,199
Hazardous waste [t]	221	178	112	254
Non-hazardous waste [t]	1,593	1,480	858	944
Hazardous waste [t / employee]	0.11	0.08	0.05	0.11
Waste for recycling [t]	1,769	1,621	952	1,183
Waste for disposal [t]	45	38	18	15
Recycling rate	97.5%	97.7%	98.2%	98.7%

Adjusted statistics of waste quantities*

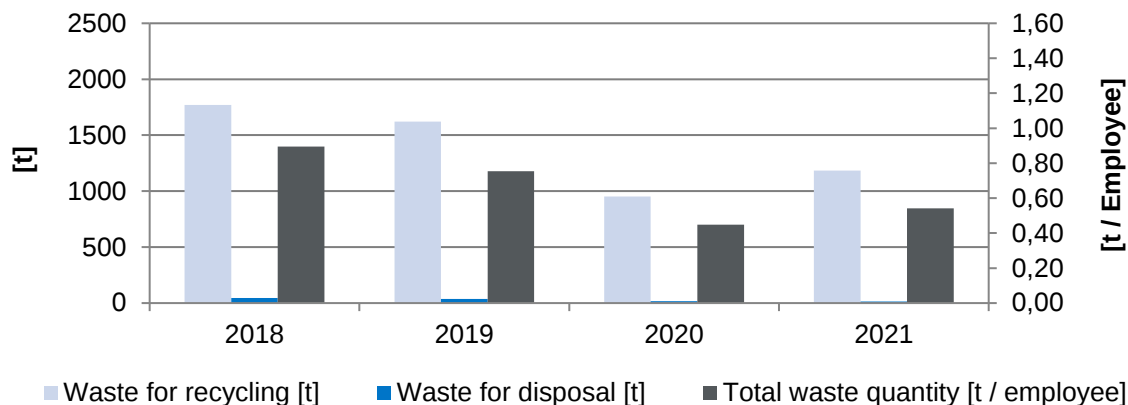
Year	2018	2019	2020	2021
Total waste quantity [t]	1,019	950	684	925
Hazardous waste [t]	143	136	95	135
Non-hazardous waste [t]	876	813	589	790
Hazardous waste [t / employee]	0.07	0.06	0.04	0.06
Waste for recycling [t]	998	920	667	916
Waste for disposal [t]	21	30	18	9
Recycling rate	98.0%	96.9%	97.4%	99.0%

*Without construction activities, company canteen, landscape conservation policy, occupational doctor service

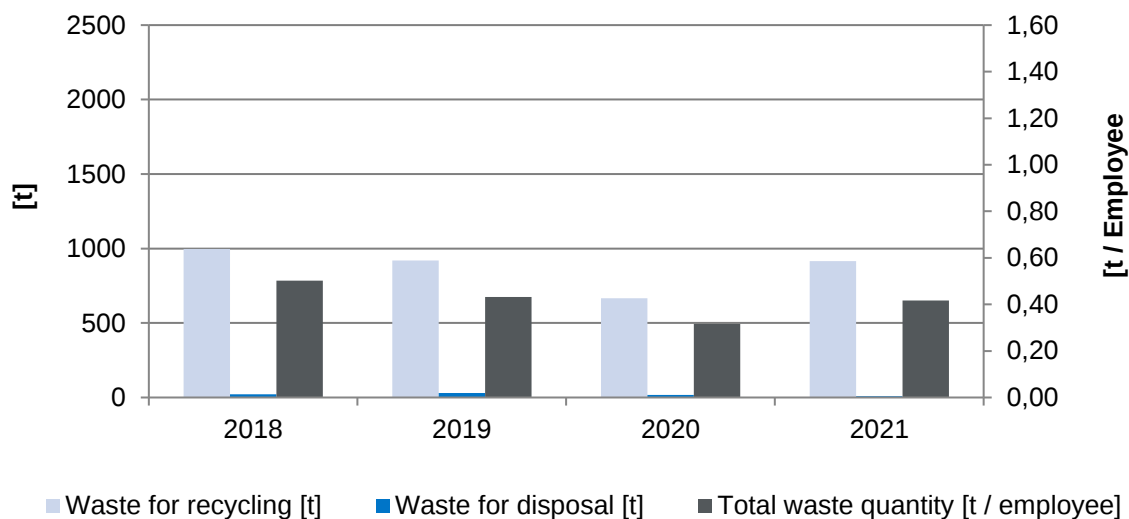
Recycling rate* 2021



Statistics of waste quantities (total quantities)



Statistics of waste quantities (adjusted)



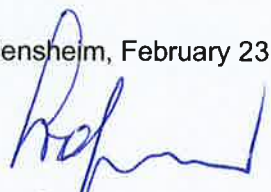
The fluctuations in waste quantities are mainly due to construction activities. The volume of waste excluding construction activities, company restaurant, landscaping and occupational health service increased by 35,2% between 2020 and 2021. The significant decrease in waste in 2020 is due to the reduction in operational activities lasting several weeks as a result of the first and second lock-downs. In 2021, the waste volume was again slightly below the level of 2019. The recycling rate has remained over 90% in recent years.

7. Signatures

Dentsply Sirona carries out an annual eco-audit at the Bensheim site.
The results are used in the Environmental Declaration.

The Environmental Declaration is submitted to a certified environmental expert for validation each year.

Bensheim, February 23, 2022


 Jan Siefert
 (Executive Management¹)


 Thorsten Schröder
 EH&S Management Officer


 Volker Vellguth
 (Executive Management²)


 Thorsten Schröder
 EH&S Management Officer

¹ For the legal entities listed below:

Sirona Dental Services GmbH
 Sirona Dental Systems GmbH
 Sirona Technologie GmbH & Co. KG
 Sirona Immobilien GmbH
 Sirona Verwaltungs GmbH

² For the legal entities listed below:

Dentsply Sirona Deutschland GmbH

The EH&S Management Officer

Thorsten Schröder
 Fabrikstraße 31
 64625 Bensheim

Tel.: +49 (0)6251 16-2288

E-mail: Thorsten.Schroeder@dentsplysirona.com

is your contact.

8. Validation of the updated Environmental Declaration

The Environmental Expert Mr. Frank Meckel
Hansastraße 3
35764 Sinn
Certification no: DE-V-0235

hereby confirms that the organization Dentsply Sirona at the Bensheim site, consisting of

Dentsply Sirona Deutschland GmbH
Sirona Dental Services GmbH
Sirona Dental Systems GmbH
Sirona Technologie GmbH & Co. KG
Sirona Immobilien GmbH
Sirona Verwaltungs GmbH

Fabrikstraße 31
64625 Bensheim

fulfills all of the requirements of Regulation (EC) No 1221/2009 of the European Parliament and of the Council of November 25, 2009 on the voluntary participation by organizations in a Community eco-management and audit scheme (EMAS) and Regulation (EU) No 2017/1505 amending Annexes I, II and III to Regulation (EC) No 1221/2009 of August 28, 2017 and Regulation (EU) No 2018/2026 amending Annexes IV to Regulation (EC) No 1221/2009 of December 19, 2018.

The signing of this Declaration is a confirmation that

1. the expert evaluation and validation have been completed in full compliance with the requirements of Regulation (EC) No 1221/2009,
2. the results of the expert evaluation and validation confirm that there is no evidence of a failure to comply with the applicable environmental regulations,
3. the data and statements in the updated Environmental Declaration for the site provide a reliable, credible, and truthful picture of all of the organization's activities within the area stated in the Environmental Declaration.

The Environmental Declaration is declared to be valid

Bensheim, February 23, 2022



Frank Meckel



The next consolidated Environmental Declaration will be submitted for validation in February 2023.

9. Terms

Abbreviation	Meaning
Audit	review
CH ₄	methane
CO	carbon monoxide
CO ₂	carbon dioxide
DIN	German Institute for Standardization (Deutsches Institut für Normung)
DQA	Director of Quality Assurance
EMAS III	Regulation (EC) No 1221/2009 of the European Parliament and of the Council of 25 November 2009 on the voluntary participation by organizations in a community eco-management and audit scheme.
EMS	Environmental Management System
GWP	global warming potential
GVA	gross value added
HCFCs	partially halogenated fluorocarbons
ICT	Information and communication technology
ISO	International Organization for Standardization
IT	Information Technology
kWp	kilowatt peak. Indicates the performance of a photovoltaic system under standardized conditions.
Modulating Operation/Mode	For energy saving and power adjustment, modern burners are equipped for controllable (modulating) operation. At start-up, the unit initially operates in the lower output range. Only when more heat is required does an exhaust gas sensor control the fuel supply and the combustion air volume of the burner. The burner modulation automatically adjusts the heat generation to the actual demand and achieves a higher efficiency. [Source: Vaillant Deutschland GmbH & Co. KG]
MWh	megawatt hour (= 1000 kilowatt hours)
NF ₃	nitrous trifluoride
N ₂ O	nitrous oxide (laughing gas)
NO ₂	nitrogen dioxide
NO _x	nitrogen oxide
PFCs	fully halogenated fluorocarbons

Abbreviation	Meaning
SF ₆	sulfur hexafluoride
SHE	smoke and heat extraction systems
VOC	volatile organic compound[s]
WLTP	Worldwide harmonized light vehicles test procedure; worldwide standardized procedure for the determination of exhaust emissions and fuel/electricity consumption of motor vehicles
31. BImSchV	31. Regulation implementing the Federal Immission Protection Act (Regulation on the limitation of emissions of volatile organic compounds in the use of organic solvents at certain plants)