

Environmental
Statement 2025

Figures and data for the year 2024

Environment and Responsibility

1. Foreword



Dear Readers and
Colleagues,

This updated 2024 environmental statement shows how important environmental protection is to GEALAN – for customers, partners, employees and all interested parties. On the following pages, we also report on the advances made towards achieving our environmental targets.

For decades, we at GEALAN have been working and acting in harmony with our environment and the raw materials and resources available. Each year, we invest in practical advancements and improvements. These efforts help us achieve sustainability that goes far beyond legal requirements. In addition, the targets we had set for ourselves for 2024 were by and large achieved, as can be seen in the following report.

In recent years, we have managed to conserve energy and raw materials by employing increasingly efficient technologies and intensifying the use of recycled materials. Since 2023, GEALAN has also been researching alternative, sustainable raw materials and testing and further developing their use in high-quality PVC profiles. We will continue to push ahead with these innovative approaches in the current year 2025. They will not only further optimise GEALAN's own carbon footprint through tangible CO₂ savings, they also have the potential to set an example for the entire industry.

Sustainability in the company took on even greater importance at GEALAN with an adjustment to our corporate strategy in 2023. Our high standards in terms of environmental protection and resource efficiency are underlined by the fact that we have established our own sustainability team.

Since early 2024, experts from various fields have supported GEALAN in developing a holistic sustainability strategy. This approach goes beyond ad hoc measures and includes all ESG (environmental, social and governance) topics. This ensures that sustainability is not viewed in isolation within the company but is firmly entrenched in all of GEALAN's business areas and decision-making processes.

The current environmental statement includes a description of the two EMAS-certified locations of the GEALAN Group in Germany: GEALAN Fenster-Systeme GmbH and GEALAN Tanna Fenster-Systeme GmbH. Both companies have been certified according to EMAS (EC Eco-Management and Audit Scheme) since 1996 and according to ISO 14001 since 1997. Here, GEALAN is a pioneer in the PVC window profile system provider industry.

In our eyes, environmental protection and resource efficiency are the prerequisites for lasting corporate success. That is why we consider environmentally relevant aspects in every economic decision we make. We actively pursue dialogue with all interest groups. We not only do this to be seen as an open-minded company, but we also consider it our duty to help shape the development of the industry in terms of sustainability.

The GEALAN Management

A handwritten signature in blue ink, appearing to read 'Ivica Maurović'.

Ivica Maurović
(Spokesperson of the Executive Board
and Managing Director
Sales, Marketing and System Development)

A handwritten signature in blue ink, appearing to read 'Tino Albert'.

Tino Albert
(Managing Director Technology and Finance)

Contents

1. Foreword	2
2. General conditions	4
2.1 Locations.....	4
2.2 Corporate policy.....	5
2.3 Products.....	6
2.4 Organisation and employees.....	8
2.5 Direct and indirect environmental aspects.....	9
3. Legal and other obligations	10
4. Environmental audit/internal audits	11
5. Implementation of the Environmental and Energy Programme 2024 at the Oberkotzau and Tanna sites	12
6. Environmental performance	13
6.1 Database and documentation.....	13
6.2 GEALAN Fenster-Systeme GmbH.....	14
6.3 GEALAN Tanna Fenster-Systeme GmbH.....	15
7. Environmental indicators	16
7.1 Raw materials.....	16
7.2 Auxiliary and operating materials	17
7.3 Water.....	18
7.4 Energy.....	19
7.5 CO ₂ emissions	20
7.6 VOC emissions.....	21
7.7 Noise.....	21
7.8 Waste – non-hazardous.....	22
7.9 Waste – hazardous.....	23
8. Core indicators	24
8.1 GEALAN Fenster-Systeme GmbH.....	24
8.2 GEALAN Tanna Fenster-Systeme GmbH.....	25
9. Environmental and energy programme for Tanna and Oberkotzau from 2024 onwards	26
Declaration of validity	27
Glossary	28

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2. General conditions

2.1 Locations

In order to make a significant contribution to climate protection, GEALAN has been procuring its entire electricity for the two German sites in Oberkotzau and Tanna on a CO₂-neutral basis since 2021.

A new raw materials warehouse was completed at the production and logistics site in Tanna and has since been moved into. In 2024, we completed the construction of a new fully automated high-bay warehouse.

GEALAN commissioned a new recycling plant at the Tanna site in May 2021. This was the first of three steps on the evolutionary path from a manual to an automated recycling process at GEALAN. This process has been further promoted in recent years. As part of this continued development, additional silos for the storage of recycled materials were built in Tanna and at the administration and technology site in Oberkotzau. Moreover, new granulators were installed for shredding production waste, returns and materials from customer conversions. In recent times, GEALAN continued to press ahead with the automated recycling process with measures such as a new loading shed and the commissioning of a loading silo at the Tanna site, various process optimisations, and the modernisation of the recycling control system at the Oberkotzau site. Further measures are planned at the site for the coming year 2025.

The qualitative and quantitative expansion of the in-house tool shop in Oberkotzau is moving along. After the digitalisation of facilities and processes and the gains achieved in efficiency as a result, and the reconstruction measures carried out in the previous years, these measures continued to bear fruit in recent times: In the Germany-wide 'Excellence in Production' competition, GEALAN's tool shop finished an outstanding third, thereby highlighting the system supplier's successful ambitions to keep on evolving in terms of efficiency.

These advances are also documented by external awards: GEALAN received the TOP 100 seal in the 2024 reporting year. A scientific selection process identifies particularly innovative medium-sized companies across all sectors. These companies are then awarded the seal. GEALAN is one of the top innovators in the 'More than 200 employees' category.



Further development could also be recorded at the main site in Oberkotzau: In the course of modernisation work, additional workplaces based on a new office concept were able to be moved into in the administrative buildings there in 2024.

GEALAN also has a long-term human resources policy. An independent jury recognised GEALAN for successfully supporting employee development of its employees and for providing modern, future-oriented workplaces. For these accomplishments, the company received the LEADING EMPLOYER award once again at the beginning of 2025, following on from 2023 and 2024. This again places the company among the top 1% of all employers in Germany.

GEALAN's sustainable corporate policy is also reflected in its regional commitment around its two German locations: Since spring 2024, GEALAN has been the main sponsor of the regional folding boat club Hof e.V., whose valuable and inclusive work and activities are now possible on the international stage as well thanks to active support. In addition, the handball players of SV 04 Plauen-Oberlosa also continue to receive active and financial support. With GEALAN as their long-standing partner, they have achieved a highly acclaimed return to the third highest handball league in Germany. The annual #GEALANTeamSupport campaign has also been running since 2021. GEALAN supports associations from the region and their selected projects with three donations of €1,000 each. GEALAN's extensive regional commitment is rounded off by another annual donation to the initiative 'Hilfe für Nachbarn e.V.' (Help for Neighbours) in the run-up to Christmas, which provides unbureaucratic assistance to people in need in the region.

As part of its voluntary commitments, GEALAN has reaffirmed its cooperation with numerous initiatives in 2024 and has been implementing their consistently sustainable guidelines and recommendations for years. This includes the window recycling company Rewindo and VinylPlus Deutschland e.V., on both of whose executive boards GEALAN is represented. GEALAN is also working with the European trade association EPPA, the Bavarian Environmental Pact and the Austrian Working Group for PVC Windows (ÖAKF) on this initiative.



2.2 Corporate policy

The GEALAN Group is a corporate network that develops, manufactures and finishes systems for windows and doors made of PVC profiles.

As a system provider, our company sells many other necessary parts besides the profiles to enable our customers to manufacture complete windows and doors.

Sustainability is more than a trend for GEALAN! We operate in an economically responsible manner and handle all raw materials with care – and have been doing so for more than 25 years. GEALAN produces high-quality PVC profiles in a process that conserves resources and is therefore environmentally friendly.

Our environmental management and the sustainability of our products are certified and regularly monitored. GEALAN works with numerous partners to promote environmental protection and sustainable development in the company and to constantly refine it through regular exchange.

Based on partnership collaboration, we strive for a high level of customer satisfaction and offer our customers competitive advantages through intelligent, high-quality and sustainable products, through delivery reliability and speed, as well as through optimal services along the entire value chain, targeted services and high-quality training. To ensure these customer benefits, we are constantly developing our Integrated Management System and creating synergy effects between the individual subject areas of environment, energy and quality. We achieve continuous improvement of our results by setting and reviewing goals.

Our employees play an important role here. They perform their tasks independently, in a quality-conscious, environmentally aware and resource-conserving manner, and with an awareness that their performance has a direct impact on GEALAN's corporate success. We support them with category-based information events, customised professional and personal training and development measures, and with the opportunity to actively contribute improvements to their work processes and environment.

GEALAN's processes are another important element. They are designed to be comprehensible and transparent. With the premise that it is more effective to prevent mistakes than to correct them, we frequently analyse our processes and adapt them to the latest technological advancements. The necessary resources for this are provided by the management.

In addition to an efficient workflow, the main focus is on the careful use of various materials and energy resources. At GEALAN, we want to use our foresight and vision to protect not just our employees, but also all our partners, regional and national representatives and organisations that depend on us, as well as the environment, from negative impacts. In this way, we demonstrate our responsibility towards society.

In order to be a strong, reliable partner for our customers, suppliers, authorities, the general public and our employees, we take compliance with legal and other requirements imposed on us very seriously and always ensure open and transparent communication with the various interest groups.





2.3 Products

Windows, doors and sliding solutions made from the latest generation of GEALAN profile systems have profile geometries that have been optimised down to the smallest detail and meet all technical requirements: whether for heat, sound and burglary protection, windows made from GEALAN PVC profiles are always at the cutting edge of technology. Products made of PVC profiles are easy to clean and require little maintenance. Largely resistant to weathering and environmental impact, they have a long service life and thus contribute to sustainable use, in some cases for decades.

GEALAN also addresses the widest range of conditions thanks to its product portfolio alignment: As a locally active yet internationally oriented company, GEALAN offers numerous solutions optimised and tailored to meet the needs of different countries and regions.

GEALAN already started factoring recycling into its product development at the end of the 1990s. This already applies during the design phase of new tools for profile production and during the manufacture of the profiles themselves, but also when it comes to the recyclability of the final product. GEALAN's products are thus designed sustainably throughout, from the first design sketch to the recyclable final product.

GEALAN is a shareholder of the company REWINDO – a recycling initiative of German plastic profile manufacturers. As such, we have committed ourselves to using recycled old window material in the inner core of GEALAN profiles. It has sourced this material from the window industry's closed-loop recycling system for more than 20 years now. PVC from old windows is thus reused in an environmentally sensible way in new, highly insulating window profiles. GEALAN also feeds production residues back into the highly efficient recycling loop. Already more than 30 per cent of the PVC used at GEALAN is recycled material – and the trend is rising.



Already since 2023, GEALAN has been researching alternative, sustainable raw materials and testing and further developing their use in high-quality PVC profiles. Detailed refinements to the PVC profile's carbon footprint have also been made since the reporting year. The objective: Creating more sustainable PVC formulations in which new bio-circular materials increasingly replace fossil-based ingredients in order to save many tons of carbon dioxide. Since certain bio-circular and circular raw materials have limited availability, these materials are currently managed in accordance with something known as the 'mass-balance principle', which is reviewed and certified by ISCC PLUS. GEALAN has now met the demanding criteria to be certified in accordance with ISCC PLUS for its locations in Germany and will be able to achieve additional CO₂ savings along the supply chain thanks to the use of bio-attributed raw materials. In early 2025, GEALAN presented its new Balance profiles at the BAU trade fair in Munich.



These profiles use renewable raw materials and help reduce CO₂ emissions. ISCC Plus certification of further locations is currently in the pipeline.

Durable and easy-to-clean windows made of GEALAN multi-chamber profiles ensure that the heat stays indoors and the noise outside. But other carefully considered product solutions from GEALAN also play their part in using energy and raw materials responsibly.

For more than 40 years, GEALAN has been protecting and enhancing PVC windows with GEALAN-acrylcolor®. This acrylic surface is inseparably bonded to the base body. It is resistant to external influences such as weathering or sunlight and is also low maintenance. Windows protected by this unique surface technology do not need to be painted or recoated during their service life, thus saving valuable resources. PVC profiles processed with GEALAN-acrylcolor® are also 100% recyclable, meaning that the protective PMMA layer does not interfere with PVC recycling. In the future, an ever-increasing number of GEALAN profile systems will be available with such a surface. Efforts to expand GEALAN-acrylcolor®'s availability are well underway. This will allow more and more windows and doors to gradually be made sustainable and made to last a long time.

The new premium profile system GEALAN-KONTUR® with a construction depth of 82.5 mm is one such example: It combines modern design and excellent functionality in one system: modern style meets durability but also offers the best thermal and sound insulation values.

GEALAN-LINEAR® is another newly designed window and door system that not only stands out due to its visually striking appearance. Like other GEALAN profiles, the use of recycled materials also sets a forward-looking milestone with regard to the environment. After all, a high proportion of the GEALAN-LINEAR® system profiles are supplied with a recycled core by default. Since the energy-related improvement of existing buildings is an increasingly important topic for the future, GEALAN-LINEAR® is also an excellent choice for renovations and retrofits due to the narrow construction depth of 74 mm. From 2025, GEALAN-LINEAR® will also be available with GEALAN-acrylcolor® surface technology and have a particularly durable finish.

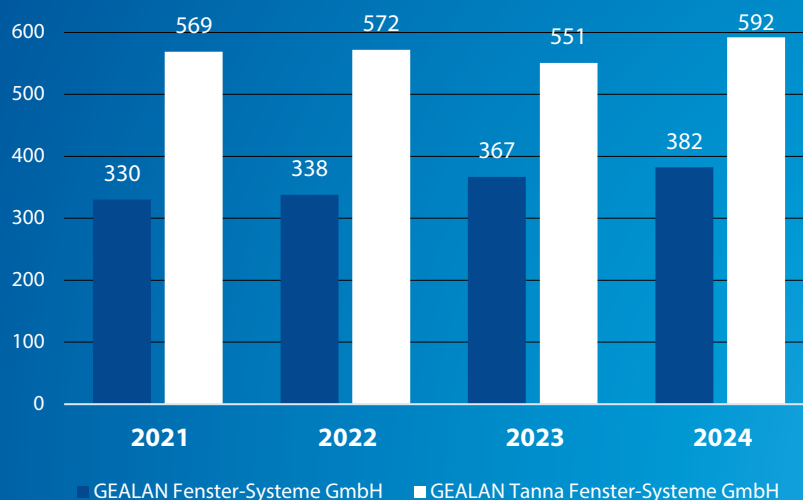
Smart windows and doors are conveniently connected: With TEXINO's Smart Home solutions, GEALAN makes it possible for you to create a healthy and safe home and achieve significant energy savings with just a few clicks. For instance, humidity sensors automatically ensure that rooms are ventilated as soon as the humidity level is too high. A CO₂ sensor can also optionally do this if a corresponding CO₂ level is exceeded.

(Living) space is also a finite resource. Due to the increasing densification within cities, the sustainable use of the available space is becoming more and more important in building planning. This is where GEALAN can offer a wide range of versatile sliding systems. They are a classic stylistic feature in modern living, with generously designed glass surfaces conveying a sense of comfort and elegance. Both the innovative GEALAN-SMOOVIO® sliding system and the S 9000 lift-slide door not only meet visual requirements, but also satisfy functional demands: Both GEALAN sliding solutions provide space-saving convenience – while being protected at the same time from wind, rain, noise and heat loss. Future-proof, convenient and safe threshold solutions help every generation to live more comfortably. As unnecessary trip hazards can exclude people from aspects of everyday life – and not just older people with physical limitations. GEALAN provides the right solution for both new construction projects and renovations with its modular zero-threshold solution GEALAN-COMFORT®. It supports people of all ages in maintaining mobility in their own homes for as long as possible.



2.4 Organisation and employees

The sustainable development of the GEALAN Group is supported by the current 'GEALAN Strategy 2027', which includes various goals and initiatives in addition to the mission and vision. The strategy was developed by the management in collaboration with the executives.



Development of employee numbers at the EMAS sites in Oberkotzau and Tanna



VISION

**Our inspiration –
to fascinate people!**

Together we create the framework for the world of windows – innovative, sustainable and customer-oriented.

Spokesperson of the Management Board	Management	Technology/Finance	
	Divisions	Occupational Safety	Facility Management
Design, Technology Centre	Business divisions	F&E / Sustainability	
QM / Integrated Management System		Production	
Sales		Toolmaking	
Product Management/Innovation, Customer Service Centre		Logistics	
Materials Management		Information Technology	
Marketing		Commercial Area: Credit Management, Legal/ Compliance, Human Resources/ Organisation, Business Planning & Analysis, Finance, Auditing	

Corporate Structure

Every year, an employee satisfaction survey is conducted, and initiatives are developed based on the results to further increase satisfaction.

2.5 Direct and indirect environmental aspects

Direct environmental aspects occur at the two company locations with the associated products, activities and services, which are subject to direct operational control.

Indirect environmental aspects can only be influenced by the organisation to a limited extent, as they primarily occur in interactions with third parties.

Environmental aspects are identified and assessed at least once a year within the setting of environmental committees and audits. Furthermore, the risks of the environmental aspects are determined annually and resulting measures are derived. We regularly check the quantities of materials used and assess their recyclability.

In addition to the main environmental aspects (such as energy consumption, waste, hazardous substances and emissions), land use and the use of auxiliary and operating materials play a significant role and are considered in corporate decisions and in work groups.

For example, this includes constant monitoring and substitutability of materials or the company's own use of land at the Tanna site. The resource-conserving use of energy is strongly supported by the electricity tariff that has been in effect since July 2020.

3. Legal and other obligations



For both EMAS sites, compliance with legal regulations as well as official obligations are taken very seriously and are therefore consistently applied. There are no complaints or legal violations of environmental law at either site. For information on new, relevant legal regulations, we use a web-based legal database with a semi-annual update service on legal changes. This approach ensures a regulated procedure for passing on information about the legal situation to employees. This system is also supported through internal audits and inspections, which are used to check the implementation of the relevant legal requirements.

Twice a year, authorities inspect our wastewater systems. To complement this, we perform monthly internal measurements of wastewater and emissions to ensure that all legal thresholds and environmental standards are consistently met.

4. Environmental audit/internal audits

During the reporting period, several environmental audits were carried out by an environmental team consisting of the Integrated Management System division, the environmental coordinators, the energy officer as well as the occupational safety specialists and the fire safety officers. We audited and assessed the environmental management system and made adjustments where needed, in coordination with management. Comprehensive site inspections are an essential part of these environmental audits.

We successfully validated the effectiveness of the environmental management system of the two companies GEALAN Fenster-Systeme GmbH and GEALAN Tanna Fenster-Systeme GmbH to ensure that it fulfils the requirements of the EMAS III regulation. We summarise all identified improvement opportunities in a central action list, which our specialist departments are now implementing.



5. Implementation of the Environmental and Energy Programme 2024 at the Oberkötzau and Tanna sites

We set ambitious targets in 2024 to constantly improve our environmental performance, and we are pleased to report that we have successfully achieved the majority of these goals. This is proof of our team's dedication and hard work.

Some of the goals were achieved in part, which provided us with valuable insights and experience. These partial successes are important steps on our path to a sustainable future. They make clear to us that we are on the right track and motivate us to continue working towards our goals with determination and innovation.

One target, namely to increase the proportion of recycled post-consumer material to 37.5% by 2030, is currently under review, and postponed for the time being due to current conditions. We nevertheless remain confident that we will soon make progress in this area as well. A further goal, the redesign and implementation of the TNV system, was postponed during the reporting period. Our team has already developed the technical concept successfully and submitted the building permit, with additional documentation still to be provided. We have not included the project in our 2025 investment planning – at least for now. However, we are continuing to actively monitor developments and are confident that implementation can take place in the near future.

Target	Measure/project	Expected benefit/improvement	Target date
Standardisation in the Group	Comprehensive introduction of an energy management system in the GEALAN Group in compliance with ISO 50001	Standardisation of energy policy and increase in sustainability	Dec. 24
Expansion of the metering point concept by 2027	Provision of weather-adjusted key figures by 2027 through the expansion of Efficio	Weather adjustment/normalisation of key figures for better comparability over the years	Dec. 25
Process optimisation	Integration of a high-bay warehouse to improve the availability of semi-finished and finished goods	Reduction of forklift hours Reduction of forklift hours by 10,000 operating hours per year as of 2024 and thus a reduction of 17.8 kg/h CO ₂ emissions	June 24
Increase biodiversity	Conversion of agricultural land to mixed forest	Reduction of CO ₂ emissions by approx. 140,000 kg CO ₂ /a	Sept. 24
Conservation of resources	Increase of the recycle share to 55% in sash combinations	Reduction of 1.8 t CO ₂ /t PVC (compared to raw material)	Dec. 24
	Increase of recycle share to 37.5% post-consumer material by 2030	Reduction of 53,299 t CO ₂ based on 2022 consumption	Dec. 30
	Use of 25% recycled PMMA in the production of GEALAN-acrylcolor® profiles from January 2025	Reduction of CO ₂ emissions, not currently quantifiable	Jan. 25
	Development of a solution approach to recycle sealing materials	Reduction of CO ₂ emissions, not currently quantifiable	Dec. 24
	Use of 250t bio-attributable PVC in production in 2024 (mass-balance principle)	Reduction of CO ₂ emissions, approx. 90% compared to raw material	Dec. 24
Reduction of emissions	Redesign and implementation of the TNV	- Plant design for future expansion of lamination - Use of other energy sources to operate the plant (CO₂ reduction) - Possibility of heat recovery	Dec. 24

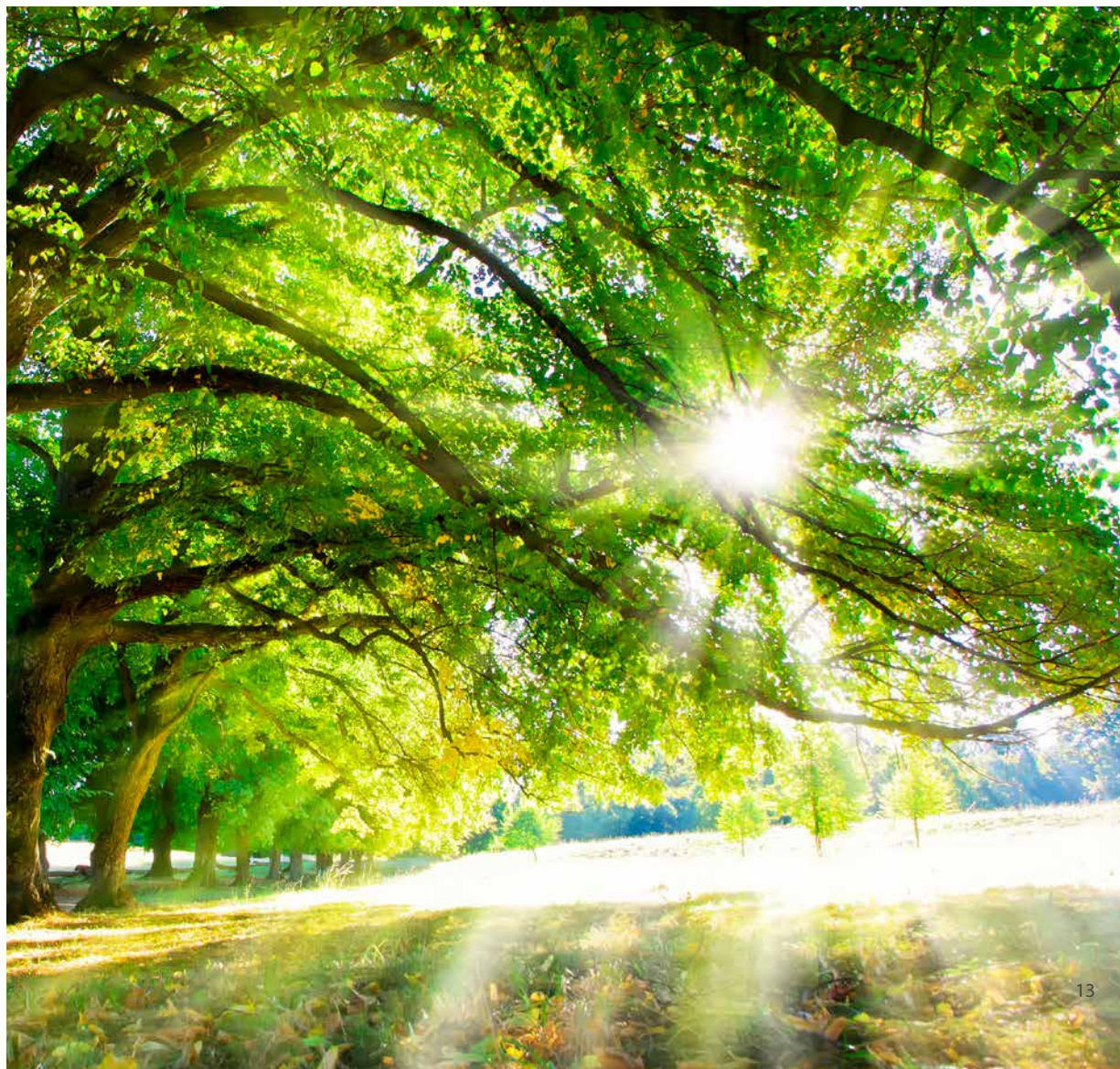
6. Environmental performance

6.1 Database and documentation

The environmental performance is based on regularly recorded input and output quantities. They show which substances and resources enter the respective site and which leave it again.

Since the reference to an individual item among roughly 28,000 items is not meaningful and not informative, the quantity of raw materials is used as a benchmark for the environmental performance indicators for the Tanna site.

This also considers resource consumption of the materials reprocessed in the internal materials cycle. For the Oberkotzau site, new key figures had to be established after the relocation of the plant to Tanna. Therefore, the number of employees for this site is used as the reference value.



6.2 GEALAN Fenster-Systeme GmbH

INPUT	2021	2022	2023	2024
1 Raw materials (t)	3,630	3,688	6,036	8,547
2 Auxiliary and operating materials (t)	5.75	4.58	3.52	5.53
3 Municipal water (m ³)	4,151	4,865	4,365	5,131
4 Energy (MWh)	7,026	7,080	6,384	6,276
4.1 Electricity	3,886	3,674	3,366	3,710
4.2 Natural gas	1,238	1,321	871	601
4.3 Heating oil	161	147	71	90
4.4 Fuels	1,741	1,938	2,082	1,874
OUTPUT				
6 Non-hazardous waste ⁽¹⁾ (t)	329	251	205	255
7 Hazardous waste ⁽²⁾ (t)	17	23	15	19
8 Wastewater (m ³)	4,151	4,865	4,365	5,131
9 CO ₂ emissions ⁽³⁾ (t) (calculated)	885	960	896	794
9.1 Electricity	0	0	0	0
9.2 Natural gas	300	320	185	127
9.3 Heating oil	50	45	22	28
9.4 Fuels	535	595	689	639
10 VCM emissions in (t) (calculated)	0.0031	0.0019	0.0019	0.0008
11 Other emissions (t) (calculated) ⁽⁴⁾	4,263	4,090	3,684	3,933
11.1 SO ₂	1,274	1,205	1,079	1,188
11.2 NO _x	2,792	2,695	2,432	2,561
11.3 PM ₁₀	0.198	0.190	0.173	0.184
^{(1), (2)} For clarity, the total is referenced. The breakdown can be seen in the waste report. ⁽³⁾ CO ₂ emissions: total emissions from electricity generation, heating energy and fuel consumption. ⁽⁴⁾ Source: GEMIS 4.95 [calorific value/direct emissions (without upstream chains)] as of: 04/2017				

6.3 GEALAN Tanna Fenster-Systeme GmbH

INPUT	2021	2022	2023	2024
1 Raw materials (t)	79,032	83,054	70,216	69,215
1.1 Recycled materials, external purchase (t)	6,922	6,351	5,017	4,498
1.2 Internal recycled materials (t)	14,575	14,252	12,886	15,229
2 Auxiliary and operating materials (t)	653.81	624.90	547.03	545.92
2.1 Adhesive+cleaner+primer ⁽¹⁾	603	576	454	491
3 Water (m ³)	13,640	14,230	15,344	13,140
4 Energy (MWh)	35,598	35,598	30,905	31,049
4.1 Electricity	31,731	31,429	28,112	28,618
4.2 Heating oil	1,932	1,560	982	531
4.3 Liquid gas	481	498	518	523
4.4 Fuels	1,454	1,494	1,293	1,187
OUTPUT				
5 Semi-finished and finished goods (t)	78,837	82,660	68,881	68,623
5.1 Profiles (goods) (t)	59,830	59,031	49,736	47,989
5.2 Recycled content rate ⁽¹⁾ (%)	36	35	36	41
6 Non-hazardous waste ⁽²⁾ (t)	1,253	1,356	1,055	1,004
7 Hazardous waste ⁽³⁾ (t)	31	21	23	41
8 Wastewater (m ³)	13,640	14,230	15,344	13,140
9 CO ₂ emissions ⁽⁴⁾ (t) (calculated)	1,136	1,028	843	704
9.1 Electricity	0	0	0	0
9.2 Heating oil	599	483	305	163
9.3 Liquid gas	125	129	116	117
9.4 Fuels	412	416	422	420
10 VOC emissions ⁽⁵⁾ (t) (calculated)	14.4	13.8	13.8	12.07
11 VCM emissions (t) (calculated)	0.068	0.069	0.069	0.057
12 Other emissions (t) (calculated) ⁽⁶⁾	28,916	28,430	25,231	25.390
12.1 SO ₂	10,395	10,178	8,967	8.972
12.2 NO _x	17,261	17,013	15,164	15.312
12.3 PM ₁₀	1,260	1,238	1,100	1.106

⁽¹⁾ Auxiliary and operating materials only shown for profile coating.

⁽¹⁾ We define the recycled content rate as the percentage of our total finished goods that consists of recycled material.

^{(2),(3)} For clarity, the total is referenced. The breakdown can be seen in the waste report.

⁽⁴⁾ CO₂ emissions: total emissions from electricity generation, heating energy and fuel consumption.

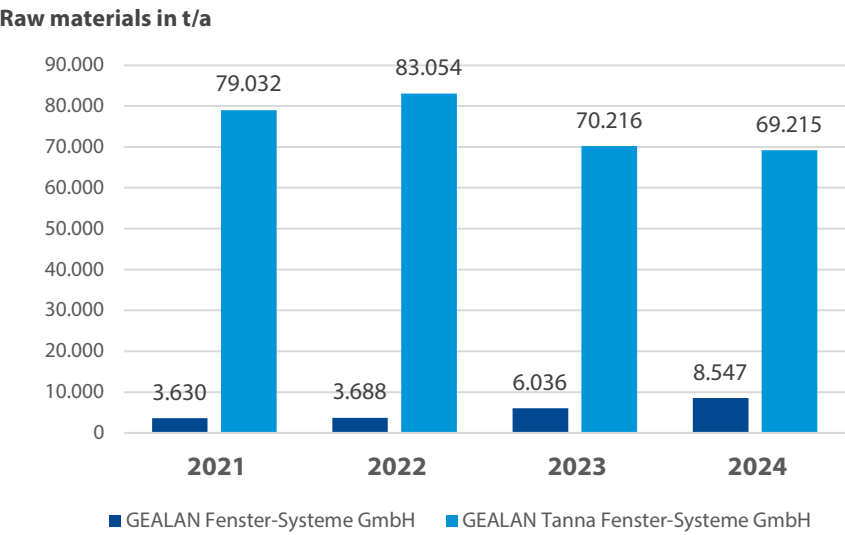
⁽⁵⁾ VOC emissions calculated before thermal afterburning.

⁽⁶⁾ Source: GEMIS 4.95 [calorific value/direct emissions (without upstream chains)] as of: 04/2017

7. Environmental indicators

7.1 Raw materials

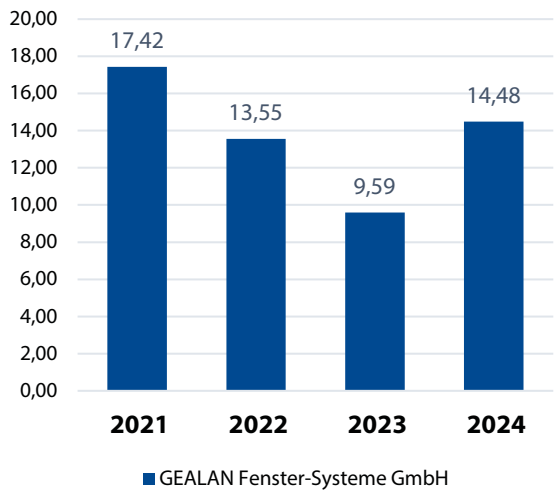
In 2024, approximately 40% more raw materials were processed at the Oberkotzau site than in the previous year. In Tanna, however, there was a slight drop due to a decline in orders and the refurbishment work in the extrusion division.



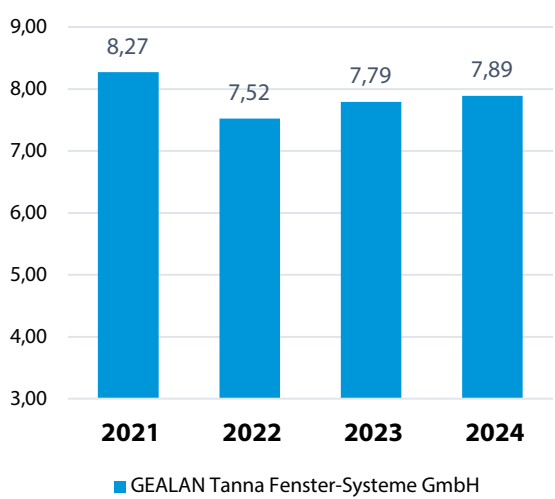
7.2 Auxiliary and operating materials

In 2024, the volumes/quantities of auxiliary and operating materials consumed at both locations increased. The absolute consumption of auxiliary and operating materials in Tanna is almost identical to that of the previous year. The increase in specific key figures can be attributed to lower production volumes.

Consumption of auxiliary and operating materials in kg/employee



Consumption of auxiliary and operating materials in kg/t of processed raw material

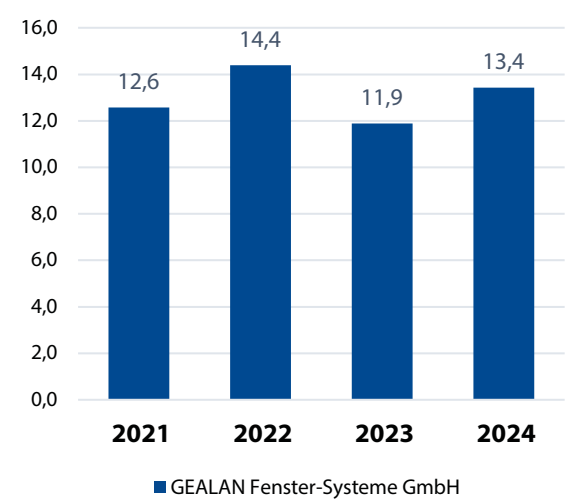




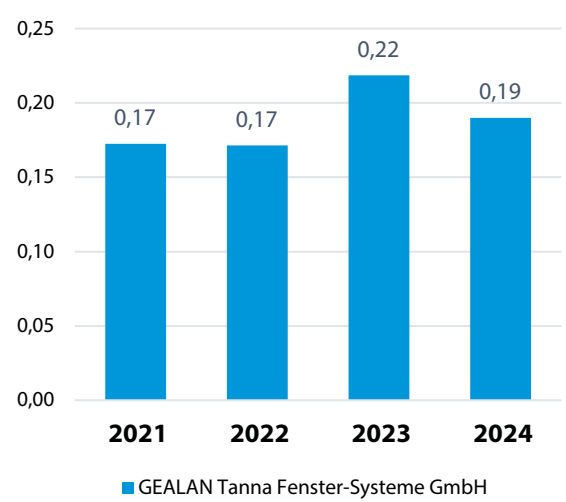
7.3 Water

At the Oberkotzau site, water consumption includes not only service water but also process water for toolmaking. Water consumption increased slightly compared to the previous year. At the Tanna site, however, specific water consumption is at a similar level to previous years.

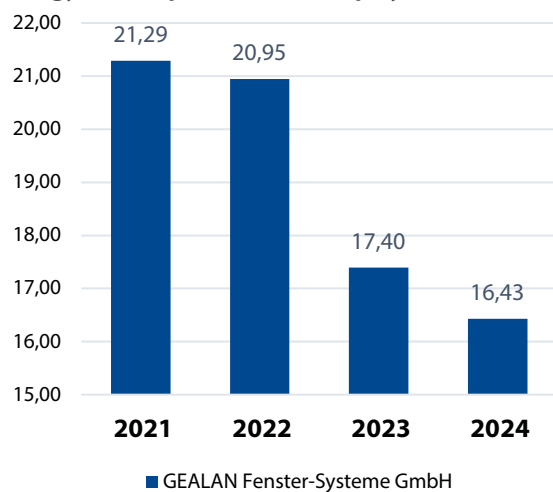
Consumption of water in m³/employee



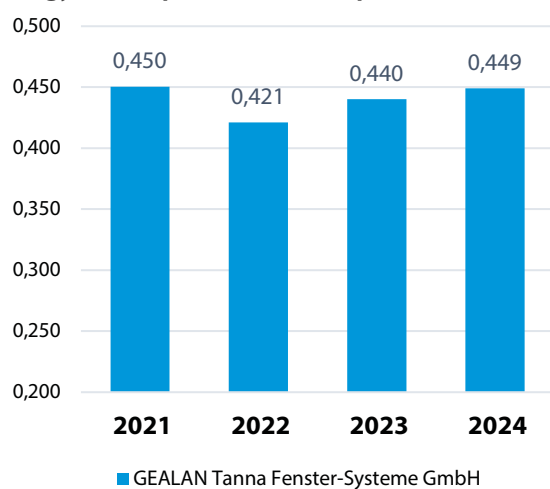
Consumption of water in m³/t of processed raw material



Energy consumption in MWh/employee



Energy consumption in MWh/t of processed raw material



7.4 Energy

At the Oberkotzau site, energy consumption per employee continued to decline compared to previous years. This can be attributed to reduced use of natural gas. In comparison to last year, energy consumption per tonne of raw material at the Tanna site remained at a similar level, but with a slight increase. The slight increase in the specific key figure in Tanna is due to the lower production volume.



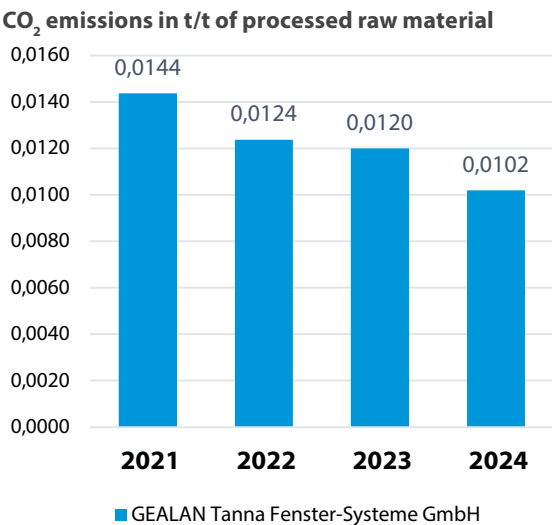
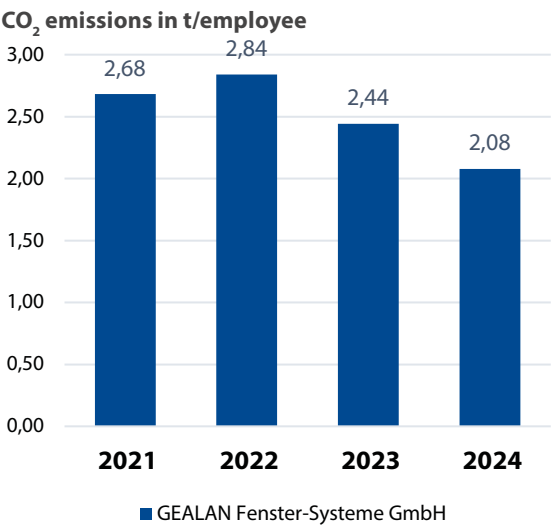


7.5 CO₂ emissions

The calculated CO₂ emissions in Oberkottzau are the sum of the emissions from natural gas, heating oil and fuel consumption. At the Tanna site, the emissions are the sum of heating oil, liquefied petroleum gas and fuel consumption.

In 2024, CO₂ emissions amounted to 2.08 tonnes per employee and 0.0107 tonnes per tonne of raw material. CO₂ emissions in Oberkottzau are thus on a constant (or even decreasing) level.

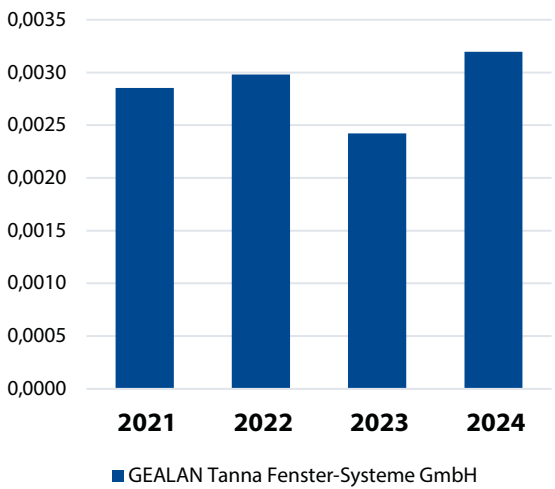
In total, the calculated CO₂ emissions for both sites amount to 1,498 t CO₂ equivalents.



7.6 VOC emissions

The existing afterburning system at the Tanna site has been approved in accordance with the Federal Immission Control Act. Among other things, the VOC emissions are affected by the steadily decreasing batch sizes and the resulting increased cleaning work on the laminating systems. In 2024, an increase is expected, to a level similar to that seen in 2021 and 2022.

VOC emissions in kg/m laminated profile



7.7 Noise

The environmental impact during normal operation primarily includes the noise emissions caused by the transport traffic of the delivering and collecting haulage companies, the company cars and the employee vehicles.

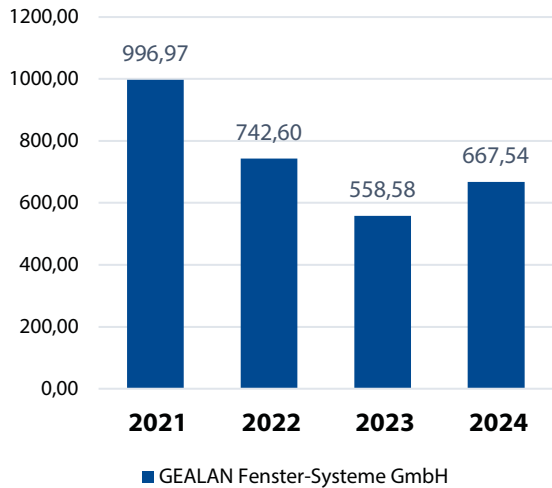
We have set a time frame specifically for delivery traffic, which is being strictly adhered to. No complaints about noise have been received from residents at either of the EMAS sites. We regularly check and document compliance with noise emission requirements.



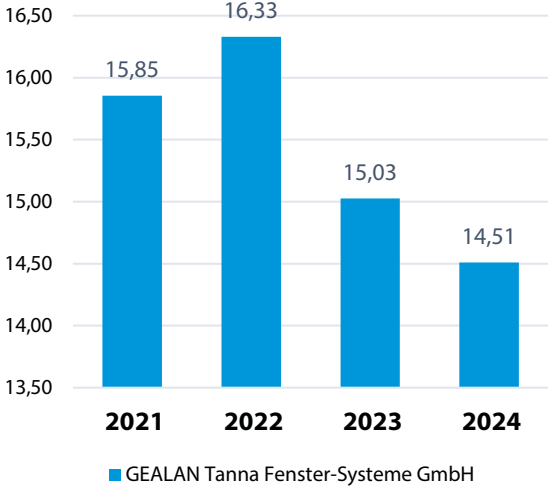
7.8 Waste – non-hazardous

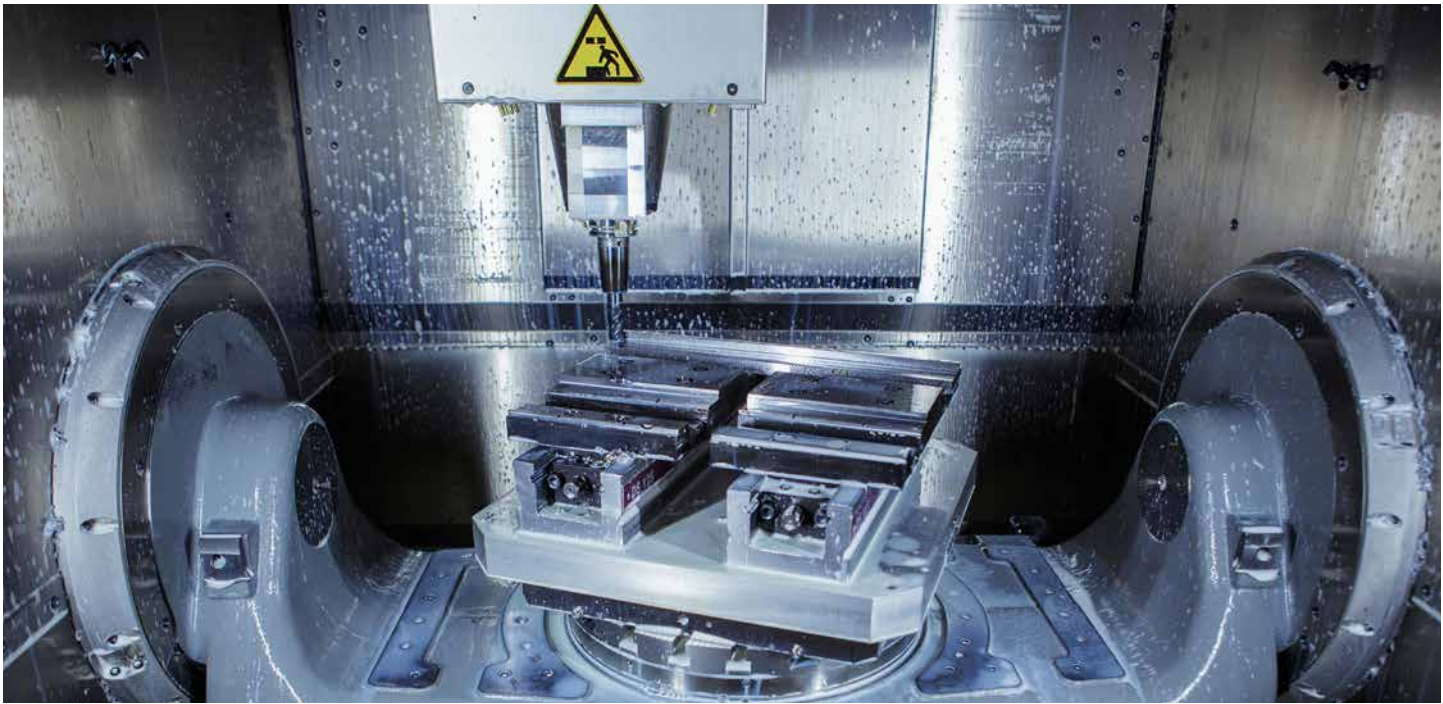
We collect waste separately at each site and recycle it in a controlled process.

Non-hazardous waste in kg/employee



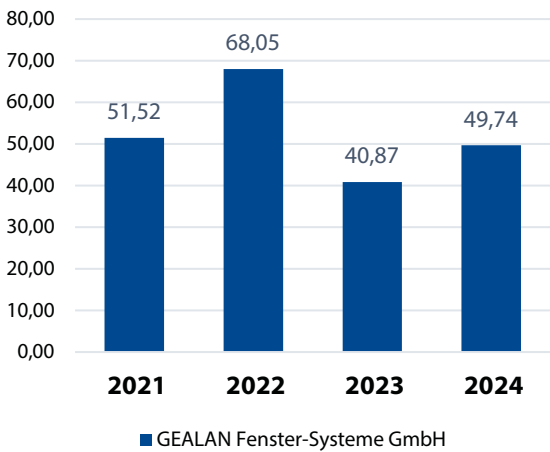
Non-hazardous waste in kg/t of processed raw material



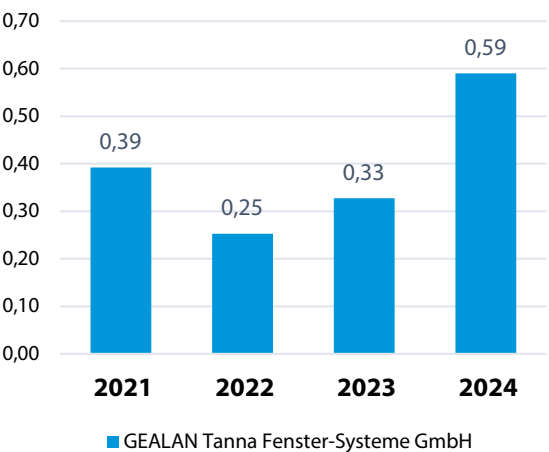


7.9 Waste – hazardous

Hazardous waste in kg/employee



Hazardous waste in kg/t of processed raw material



The hazardous waste per employee at the Oberkotzau site increased compared to the previous year. An increase can also be seen at the Tanna site. The increase in Tanna can be attributed to lower production volumes and adherence to maintenance intervals. Last year, for example, the oil and water separators were cleaned and the waste thereby produced disposed of.

8. Core indicators

8.1 GEALAN Fenster-Systeme GmbH

INDICATORS	2021	2022	2023	2024
Raw materials (t)	3,630	8,895	6,036	8,547
Energy demand (MWh)	7,026	6,987	6,384	6,276
Energy efficiency MWh/t	1.94	0.79	1.06	0.73
Water (m³/t)	1.14	0.55	0.72	0.6
Water (m³/employee)	12.58	14.39	11.89	13.43
Waste non-hazardous (kg/t)	90.63	28.22	33.96	29.84
Waste hazardous (kg/t)	4.68	2.59	2.49	2.22
Biodiversity – degree of sealing in %	81.98	81.98	81.98	81.98
Total areas (m²)	31,292	31,292	31,292	31,292
Sealed areas (m²)	25,652	25,652	25,652	25,652
Near-natural areas (m²)	5,640	5,640	5,640	5,640
Emissions				
CO ₂ (t/t)	0.244	0.10	0.15	0.09
VCM (g/t)	0.854	0.21	0.31	0.09
SO ₂ (kg/t)	0.351	0.135	0.179	0.139
NO _x (kg/t)	0.769	0.303	0.403	0.300
PM ₁₀ (kg/t)	0.055	0.021	0.029	0.022

8.2 GEALAN Tanna Fenster-Systeme GmbH

INDICATORS	2021	2022	2023	2024
Raw materials (t)	79,032	83,054	70,216	69,215
Semi-finished and finished goods (t)	78,837	82,660	68,881	68,623
Energy efficiency (MWh/t)	0.450	0.429	0.440	0.449
Material efficiency ⁽¹⁾ (%)	99.75	99.53	98.10	99.14
Water (m³/t)	0.17	0.17	0.22	0.19
Water (m³/employee)	23.97	24.88	27.85	22.20
Waste non-hazardous (kg/t)	15.85	16.33	15.03	14.51
Waste hazardous (kg/t)	0.39	0.25	0.33	0.59
Biodiversity – degree of sealing in %	81.87	85.06	85.19	85.83
Total areas (m²)	120,409	121,626	121,626	121,626
Sealed areas (m²)	98,574	103,457	103,609	104,396
Near-natural areas (m²)	21,835	18,169	18,017	17,230
Emissions				
CO ₂ (t/t)	0.014	0.01	0.01	0.01
VCM (g/t)	0.860	0.83	0.98	0.87
VOC (t/t adhesive)	0.0239	0.0240	0.0304	0.0246
SO ₂ (kg/t)	0.132	0.123	0.128	0.137
NO _x (kg/t)	0.218	0.205	0.216	0.233
PM ₁₀ (kg/t)	0.016	0.015	0.016	0.017
⁽¹⁾ Material efficiency: Semi-finished and finished goods in t/raw material in t				

9. Environmental and energy programme for Tanna and Oberkottzau from 2024 onwards



Target	Measure/Project	Expected benefit/improvement	Target date
Holistic Approach to Sustainability	Concretisation of the sustainability strategy	Definition and prioritisation of the most relevant ESG issues for GEALAN	12/2025
Climate Action	Creation of a corporate carbon footprint for all GEALAN sites (Scope 1, 2 and partially 3) to define a group-wide climate strategy	Determination of the CO ₂ reduction potential and further target setting for a net-zero climate strategy	12/2026
	By 2027, 50% of the vehicle fleet will be electrified (including hybrids), including expansion of the charging infrastructure on company premises	Savings of approx. 500 tonnes of CO ₂ emissions per year, based on 2022 figures	12/2027
Responsible Consumption and Production	Test of CO ₂ -optimised chalk	Reduction of CO ₂ emissions	12/2026
	Market positioning of bio-attributed PVC in production (mass balance method)	Reduction of CO ₂ emissions, approx. 90% compared to raw material	12/2025
Life below Water / Life on Land	Design and implementation of a plant for the pre-treatment of grinding sludge	Avoiding unwanted particles in wastewater	03/2025
	Gap analysis for possible certification according to Operation Clean Sweep	Prevention of microplastic losses	12/2025
Affordable and Clean Energy	By 2027, 25% of heating requirements will be covered by renewable energy sources (heat pumps/green electricity)	approx. 600 tonnes of CO ₂ emissions per year from conversion onwards, based on 2022 consumption	12/2027
Standardisation in the Group	Comprehensive introduction of an energy management system in the GEALAN Group in compliance with ISO 50001	Standardisation of energy policy and increase in sustainability	12/2025



Declaration of validity

Declaration by the environmental inspector on assessment and validation processes

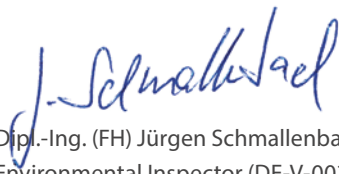
The undersigned EMAS environmental inspector Dipl.-Ing. (FH) Jürgen Schmallenbach (DE-V-0036), accredited or licensed for the sector Manufacture of PVC products 22.2 (NACE code), confirms to have verified whether the sites of GEALAN Fenster-Systeme GmbH in Oberkotzau and GEALAN Tanna Fenster-Systeme GmbH in Tanna – as indicated in the environmental statement with registration numbers (DE-S-106-00003) and (DE-S-154-00004) – meet all requirements of Regulation (EC) No. 1221/2009 of the European Parliament and of the Council of 25 November 2009 and Commission Regulation (EU) 2017/1505 of 28 August 2017 as well as Commission Regulation (EU) 2018/2026 of 19 December 2018 on the voluntary participation by organisations in a Community Eco-Management and Audit Scheme (EMAS).

By signing this declaration, the environmental inspector confirms that

- the assessment and validation was carried out in full compliance with the requirements of Regulation (EC) No 1221/2009, Regulation (EU) 2017/1505 and Regulation (EU) 2018/2026,
- the result of the assessment and validation confirms that there is no evidence of non-compliance with applicable environmental legislation,
- the data and information in the sites' environmental statement depict a reliable, credible and true scenario of all the activities of the organisation/sites within the scope stated in the environmental statement.

This statement cannot be equated with an EMAS registration. EMAS registration can only be carried out by a competent body in accordance with Regulation (EC) No 1221/2009. This statement may not be used as a stand-alone basis for public information.

Oberkotzau/Tanna/Maselheim, 15/05/2025



Dipl.-Ing. (FH) Jürgen Schmallenbach, Master's degree in engineering
Environmental Inspector (DE-V-0036)

Schmallenbach – CONSULTING & CERTIFICATION
Äpfinger Berg 3
D-88437 Maselheim



Publication dates

This Environmental Statement was approved by the management in May 2025 and submitted to the environmental inspector for validation. It is published in an annually updated form and checked and validated by the environmental inspector. The next update of the environmental statement will be published in May.

Glossary

GEALAN-acrylcolor®	In the colouring process, the PVC base is fused indissolubly with the coloured acrylic glass
GEALAN-LINEAR®	Profile system with 74 mm construction depth
GEALAN-KONTUR®	Profile system with 82.5 mm construction depth
GEALAN-SMOOVIO®	Sliding system with 74 mm construction depth
TEXINO	Smart home solution that can be connected with windows and doors to control the indoor climate
DIN EN 14001:2015	German version of the International ISO Standard entitled: 'Environmental management systems – requirements with guidance for use' (ISO 14001:2015)
EMAS III, EG-VO No 1221/2009	Eco Management and Audit Scheme stands for the voluntary commitment of companies and organisations to improve the environmental protection of their operations
Emissions	Substances, noise, heat, cold emitted to the environment
Auxiliary and operating materials	e.g. cleaners, lubricants, adhesives and printer ink
PVC	Polyvinyl chloride
TAB	Thermal afterburning
VCM	Vinyl chloride monomers
VOC	Volatile organic compounds
NO _x	Generic term for a group of highly reactive gases all containing nitrogen and oxygen in different quantities [such as nitrogen monoxide (NO) and nitrogen dioxide (NO ₂)]
PM ₁₀	Particulate matter with an aerodynamic diameter of 10 micrometers or less (µm)
SO ₂	Sulphur dioxide