Together we find
a better way.

HF GROUP

Public Document

Sustainability Report 2024 & 2025

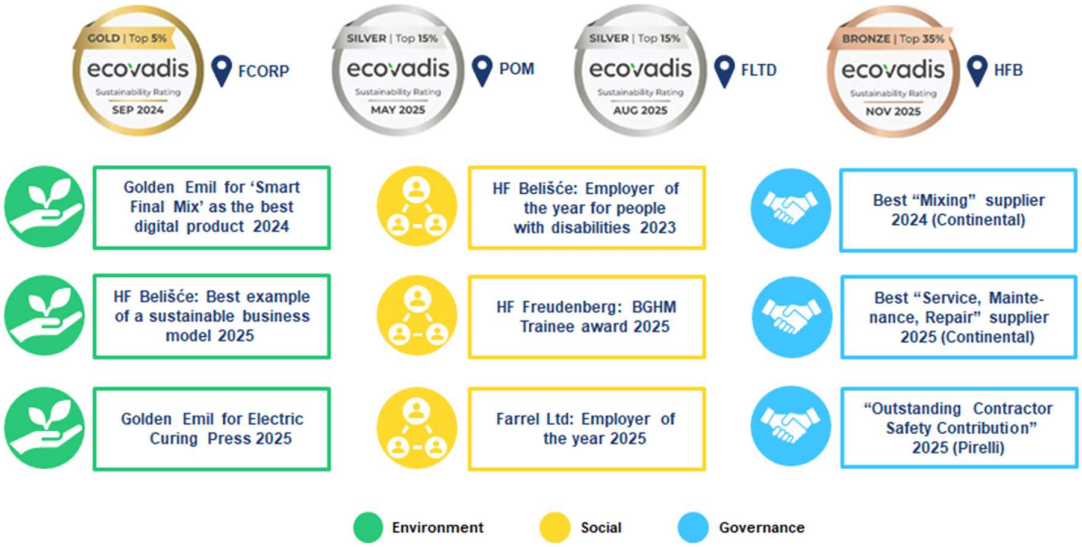
with Environmental, Social & Governance Topics

Ansonia, USA | Dubnica, Slovakia | Hamburg & Freudenberg, Germany
Rescaldina, Italy | Rochdale, UK | Belišće, Croatia

Foreword:

Sustainability has become a central pillar of our corporate development and a key responsibility toward society, the environment, and future generations. With our newly developed HF GROUP vision: **Pioneering sustainable solutions in rubber and plastics processing** and supporting mission we have worked intensively on strengthening our corporate identity by developing a refined set of values that reflect our sustainability ambitions more clearly. These values are increasingly visible in our communication, including a redesigned corporate website with a stronger focus on sustainability, as well as a more targeted and transparent presence across our social media channels.

Our commitment is guided by internationally recognised frameworks. We align our activities with the United Nations Sustainable Development Goals (SDGs) and reaffirm our responsibility as a member of the UN Global Compact. These principles provide a clear orientation for responsible business conduct and serve as a foundation for our long-term ambitions. In parallel, we have ensured compliance with evolving regulatory requirements, particularly with regard to the Corporate Sustainability Reporting Directive (CSRD). We view these frameworks not only as obligations, but as an opportunity to enhance transparency, improve data quality, and further professionalise our sustainability management and showing the following results across different HF GROUP entities:



Following up our last Environmental Report from 2021 to 2023 (HF MIXING GROUP), this report for 2024 & 2025 offers an overview of selected projects that demonstrate how sustainability is being implemented in practice across our organisation. We are aware that sustainability is an ongoing journey that requires continuous improvement, collaboration, and accountability. With this report, we aim to provide transparent insights into our progress while reaffirming our commitment to responsible and sustainable business practice.

Yours, Co-CEO Dr. Holger Rudzio & Co-CEO Ian Wilson

Sustainable Development Goals:

1. **No poverty:** End poverty in all its forms everywhere.
2. **Zero hunger:** End hunger, achieve food security and improved nutrition and promote sustainable agriculture.
3. **Good health and well-being:** Ensure healthy lives and promote well-being for all at all ages.
4. **Quality education:** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
5. **Gender equality:** Achieve gender equality and empower all women and girls.
6. **Clean water and sanitation:** Achieve availability and sustainable management of water and sanitation for all.
7. **Affordable and clean energy:** Ensure access to affordable, reliable, sustainable and modern energy for all.
8. **Decent work and economic growth:** Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
9. **Industry, innovation and infrastructure:** Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation.
10. **Reduced inequalities:** Reduce inequality within and among countries.
11. **Sustainable cities and communities:** Make cities and human settlements inclusive, safe, resilient and sustainable.
12. **Responsible consumption and production:** Ensure sustainable consumption and production patterns.
13. **Climate action:** Take urgent action to combat climate change and its impacts.
14. **Life below water:** Conserve and sustainably use the oceans, seas and marine resources for sustainable development.
15. **Life on land:** Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.
16. **Peace and justice strong institutions:** Promote peaceful and inclusive societies for sustainable development, provide access for justice for all and build effective, accountable and inclusive institutions at all levels.
17. **Partnerships for the goals:** Strengthen the means of implementation and revitalise the Global Partnership for Sustainable Development.

Figure 1: The sustainable development goals of the United Nations Organisation

UN Global Compact

HF GROUP has been a proud member of the UN Global Compact since 2015: https://unglobalcompact.org/

It is the world's largest and most important initiative for sustainable and responsible corporate management. It helps companies to strategically incorporate sustainability into their business model, based on ten principles relating to "human rights", "labour standards", "environmental protection" and "fighting corruption", and to contribute to the implementation of the Sustainable Development Goals. Each year, we provide the association with a report on our company's developments, forming the basis for improvement ideas and goals in partnership.

In addition to this membership, Harburg Freudenberger Machinery GmbH has recently become a new member of the UNGC Network Germany.

Redesigned corporate website

HF GROUP's corporate website was fully redesigned in 2025. There, we provide all the key information about these main sections:

- Products
- Service
- Digital solutions
- Systems
- Sustainable solutions

Especially the ESG (Environmental, Social, Governance) area offers a comprehensive overview of our ESG strategy, scope and activities, both internally and externally. From reducing our carbon footprint and fostering an inclusive workplace to developing sustainable solutions for our customers in rubber and plastics processing, we are committed to creating long-term partnerships and value for people, planet, and society. Explore how we turn our ESG principles from vision into meaningful action. Feel free to visit us here: HF GROUP

Social Media

You can find many videos of our innovation processes on our social media profiles, for example how HF GROUP intends to "turn black into green", which will be explored further in this report. You can also find many more news on our company's development and initiatives here:

Corporate Sustainability Reporting Directive & European Sustainability Reporting Standards

The **Corporate Sustainability Reporting Directive (CSRD)** is a guideline which has been implemented in 2023 by the European Union. The CSRD is intended to close existing gaps in reporting regulations and expand sustainability reporting as a whole. The aim is to increase the accountability of European companies with regard to sustainability aspects and to introduce binding reporting standards at EU level for the first time.

As a result of the CSRD, the EU implemented the **European Sustainability Reporting Standards (ESRS)** to secure comparability between companies' reporting. With the support of a comprehensive **double materiality analysis**, the following ESRS topics were systematically identified and assessed as material, reflecting their significant impact both from a financial perspective and in terms of their environmental and social relevance:

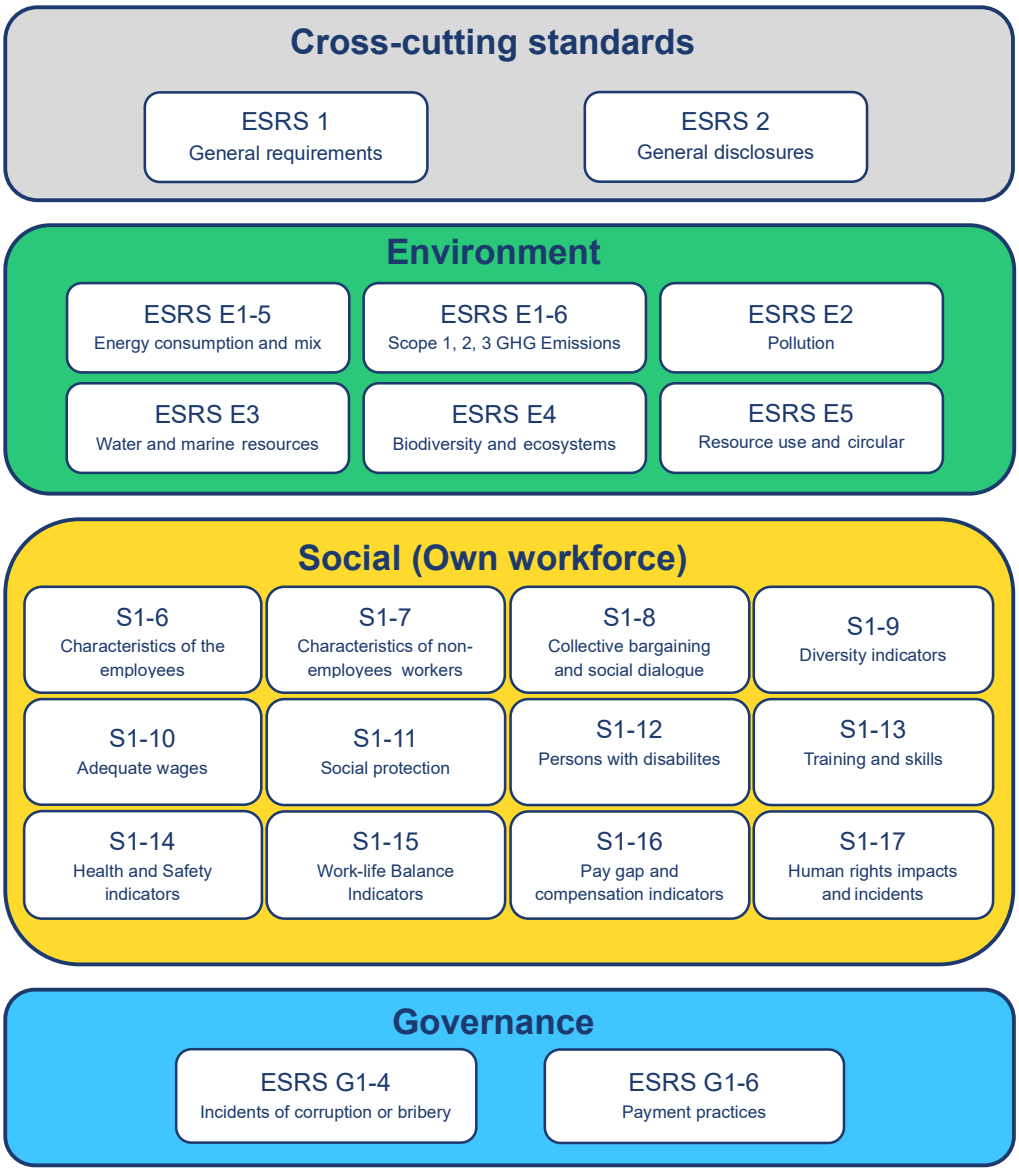


Figure 2: Defined material ESRS Topics wihtin the HF GROUP

HF GROUP goals and ambitions

In 2024 it was a fundamental step for the HF GROUP to develop a sustainability strategy - following the CSRD & ESRS requirements. At the beginning of 2024, a kick-off workshop took place in Freudenberg with all stakeholders to prepare for this important topic. Stakeholder-analysis and the dual materiality analysis was performed on the group level for all entities. Afterwards the sustainability program was developed with these key elements:

Figure 3: Internal and external Sustainability (ESG) strategy and goals

With a strong focus on the sustainability strategy and the achievement of ESG goals, numerous projects and initiatives were either newly implemented or further advanced throughout 2024 and 2025. These efforts reflect a continued commitment to integrating sustainability into core business practices and driving measurable progress across environmental, social, and governance dimensions.

Below, you will find detailed information on a selection of key projects and initiatives. These include activities carried out at both the group level (HFG) as well as those implemented within specific entities, highlighting the breadth and depth of the organisation's sustainability efforts:

Content:

Figure 4: Main Production Entities: Ansonia, USA | Rochdale, UK | Freudenberg & Hamburg, Germany | Rescaldina, Italy | Dubnica, Slovakia | Belišće, Croatia

1. Transformation Plan [GER, HFG]

An internal analysis for Freudenberg throughout 2025 identified potential savings in a wide range of technical areas. This led to recommendations for implementing the following measures which not only have significant ecological benefits, but also relevant economic advantages:

- ➔ The heating systems are to be replaced in the future and their energy efficiency is to be improved.
- ➔ The site's carbon footprint must be reduced.
- ➔ The site's energy situation must be improved. Appropriate measures must be identified in light of the expected rise in CO_2 prices in the coming years and in order to manage the risks of price developments in the electricity and gas markets

Transformation plans in Germany are financially supported by the government with the aim to support companies in planning and implementing their own transformation towards greenhouse gas neutrality. One of the key components of a transformation plan is a catalogue of specific measures whose implementation can significantly reduce greenhouse gas emissions. Based on the results of the transformation plan, as well as the activities agreed upon within the Freudenberg results framework, the next step is to translate these insights and recommendations into a structured and actionable roadmap for HF GROUP. This roadmap will serve as a strategic guide, outlining clear priorities, timelines, and responsibilities to ensure the effective implementation of identified measures and the successful advancement of the group's transformation objectives

Figure 5: Symbolic visualisation of the sustainability transition: Turn black into green

2. Rail transport to customers - Log4NRW [GER]

On 23 July 2024, HFG containers were transported for the first time by train from the container terminal in Kreuztal (South Westphalia) to Hamburg, to be shipped from there. The seven containers contained rubber mixers and rolling mills, which are required for the production of tyres. The aim of the project was to test whether this method of transport could be a practical alternative to conventional transport by lorry.

The trial turned out to be a complete success: We were able to establish that combined transport is not only faster, especially for large-scale projects, but also has a major positive impact on the CO_2 footprint. The calculations after the delivery showed that the amount of diesel fuel required was reduced by half (54 liters instead of 109 liters) and the combined transport only produced 0.086 tons of CO_2 emissions, whereas a complete truck transport would have caused 0.24 tons of CO_2. This corresponds to a saving of approx. 64%. As an additional positive effect, it should also be noted that in addition to saving time and reducing the burden on the environment, this form of transport also relieves the A45 and A4 motorways and the alternative routes, as these are currently particularly badly affected by the full closure of a motorway bridge.

Figure 6: Transfer of containers onto the rail at the Kreuztal train stration

Shortly after we sent off the first shipment of 7x 40' High Cube (HC) standard containers, we immediately had another project with another 20x 40' HC containers, which would have filled an entire train. Unfortunately, this transport was rejected without reason by the district railway's partner, which provides the trains and wagons on the route. In the end, we had the 20 containers transported by lorry from here to Cologne and then on by rail to the seaport of Hamburg.

In September of this year, the management of the district's railway approached us as anchor customers and presented a new partner and a restart of the project.

And recently, we received the news that the new regular circulations are to take place to Duisburg's inland port. From there, the goods are being transported to the western ports by inland waterway vessel and to the northern ports by rail. Initially, 2-3 trips per week are planned, depending on customer demand.

Another project on our part is also already in preparation. The standard containers (17-20x 40' HC) for an order to the USA, are to be transported from Siegen via Duisburg to Antwerp by rail/inland waterway.

By publicising this success, HF hopes to have created an initial incentive for other companies in the region to also consider this form of transport in the future, as joint rail transport would not only increase lucrativeness, but also make a greater contribution to climate protection.

Figure 7: Train ready for departure in Kreuztal, Germany

For more information you can scan this QR-Code (german) leading to the Project Planning of the Port in Duisburg:

3. Optimisation of the heating system in Rochdale [UK]

In August 2024, a new heating control system was introduced in Rochdale to improve energy savings. This system is web-based and can be set by multiple users via laptop or phone. It consists of 6 boxes, which together cover 27 zones. The buttons indicate when a zone is in operation and allow workers to set temperatures lower when a zone is unoccupied and to generate additional heat where necessary. When the external doors are open, the neighboring zones are automatically switched off. The new system was rated positively by the staff when it was introduced.

The consumption figures also leave a very positive impression of the system, as they demonstrate the huge energy-saving potential: In the first twelve months after the implementation, over 550,000 kWh were consumed less, with the average temperature being pretty much the same compared to the previous 12 months. This overwhelming evidence might contribute to a wider rollout of the system throughout the whole group.

Month	Temp (°C)	Previously	kWh Used	Previously	Temp difference	kWh difference
September '24	12.6	15.3	49,440	6,040	-2.7	43,400
October '24	10.5	10.8	126,760	193,890	-0.3	-67,130
November '24	6.5	6.7	409,800	531,890	-0.2	-122,090
December '24	6.5	6.1	387,550	470,280	0.4	-82,730
January '25	3.0	4.1	707,140	716,750	-1.1	-9,610
February '25	4.7	6.5	455,130	476,440	-1.8	-21,310
March '25	7.1	6.8	276,930	389,090	0.3	-112,160
April '25	9.8	8.3	117,030	291,330	1.5	-174,300
May '25	11.9	13.2	4,330	19,620	-1.3	-15,290
June '25	15.1	12.8	9,510	9,720	2.3	-210
July '25	16.3	14.6	7,390	2,250	1.7	5,140
August '25	16.3	15.2	3,000	4,390	1.1	-1,390
					-0,1	-557,680

Figure 8: Temperature development and energy consumption

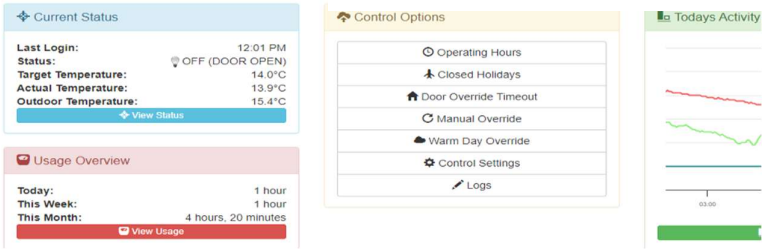


Figure 7: Statistics, overviews and control options

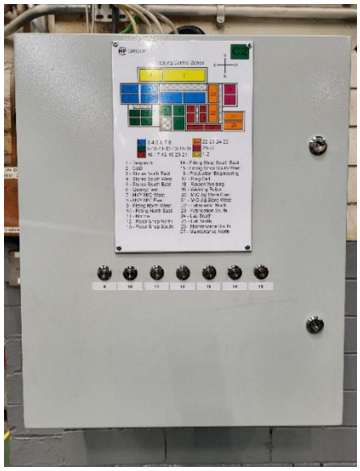


Figure 9: Control box

HF Mixing Group Overview

Showing 1-27 of 27 items.

Zone	Output	Target	Temperature	Status
CSD	Burner	6.0°C	15.4°C	OFF
Despatch	Burner	14.0°C	13.8°C	OFF
Fabrication North	Burner	14.0°C	15.3°C	OFF
Fabrication South	Burner	14.0°C	15.5°C	OFF
Fitting Shop NW	Burner	15.0°C	19.9°C	OFF
Fitting Shop SE	Burner	15.0°C	16.2°C	OFF

Figure 10: Zone information of the heating system in Rochdale, UK

4. Leakage Audit [GER]

Compressed air leaks often cause unnecessary additional costs and energy losses, which is why rectifying them increases efficiency, conserves resources and saves costs. After internal checks in the past, contact was made in 2024 with an external partner, who found a total of 51 leaks during an audit. An assembly hall, the production control and the welding shop were particularly affected. Most of the leaks were at screw connections, hose connections and blow guns.

The findings of the audit and subsequent analysis showed that the existing leaks generate annual costs of 11,020€ and cause an additional energy consumption of 31,400 kWh per year, as well as an air loss of 600 liters per minute.

This revealed a need for quick action, which was rectified during the audit: 29 of the 51 leaks were repaired within the next 24 hours (approx. 57%)!

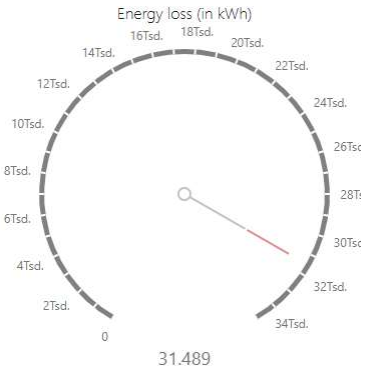


Figure 11: Energy loss

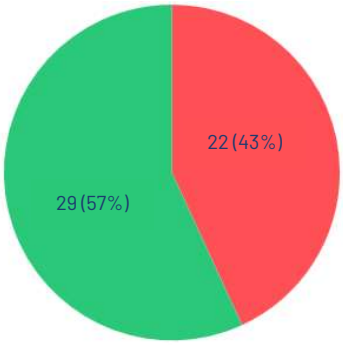


Figure 12: Repairing status after 24 hours

These main repairs correspond to a realised savings potential of approx. 66% and 7,230€. As the investment required for this totaled 3,950€ it was quickly amortised.

To keep track of all necessary repairs, the QHSE department and maintenance have access to an app where maintenance can also quickly and easily record if a leak has been repaired.

Figure 13: Compressed air gun

In addition to the repairs, which have been carried out in an ongoing process since then, long-term preventive measures have also been defined to avoid additional energy and cost expenditure:

- ✓ Regular inspection of the compressed air guns
- ✓ Particularly tight attachment of screw connections
- ✓ Use of pipe connections wherever possible, as hose connections are prone to leaks

5. Exchange of light in production halls in Croatia [CRO, HFG]

LED lighting offers significant environmental and economic advantages compared to conventional lighting technologies. It consumes substantially less energy, has a longer service life, and reduces maintenance requirements, leading to lower operating costs and decreased greenhouse gas emissions. In addition, LEDs provide improved lighting quality and flexibility, supporting safer and more efficient working environments.

The production halls in Croatia recently underwent an upgrade focusing on the exchange of lighting systems. This investment amounted to 82,000 € and led to significant improvements in energy efficiency. Previously, the lighting system operated at a power of 39.042 kW, consuming approximately 110,686 kWh annually, which resulted in CO_2 emissions of 36.53 tons per year. After the upgrade, the new lighting system operates at a reduced power of 20.3 kW, with annual consumption dropping to 57,544 kWh. This reduction in energy usage has correspondingly decreased CO_2 emissions to 19 tons per year, demonstrating a substantial environmental benefit alongside cost savings.

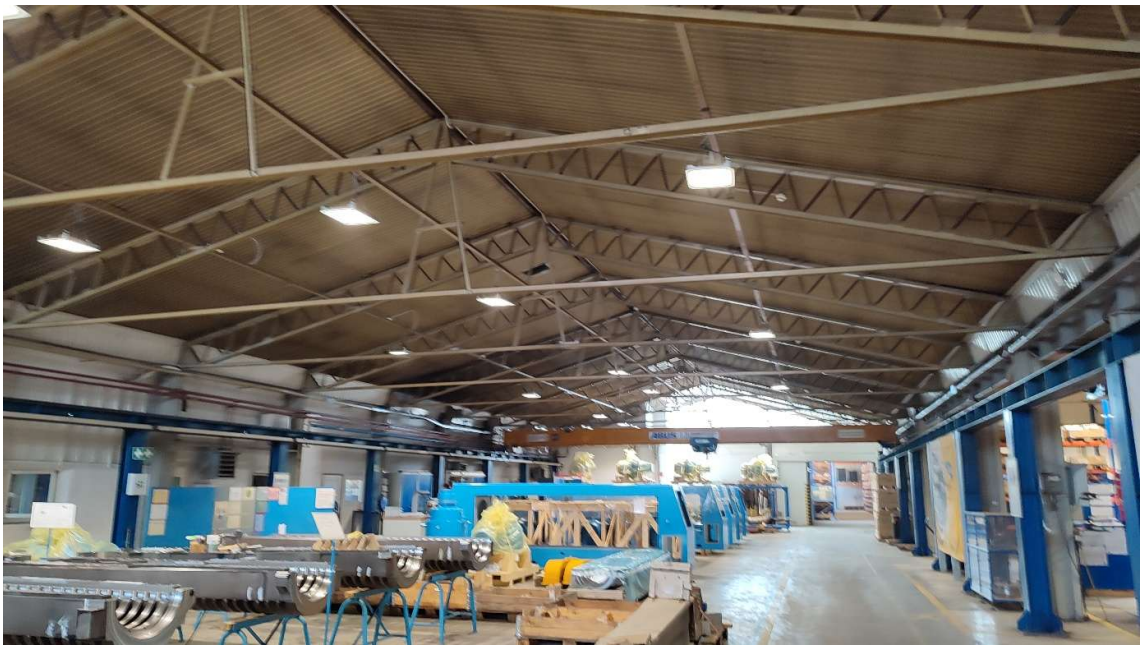


Figure 14: Production hall in Croatia with LED lighting

As part of ongoing sustainability efforts, most entities within the HF GROUP have already adopted LED lighting as the standard across their facilities. This transition represents an important step toward reducing overall energy consumption and contributing to more resource-efficient and climate-friendly operations, and will also help to reach our ESG-goals.

6. Installation of solar power plant in Croatia [CRO,SK; USA]

Solar power plants offer numerous advantages, including the generation of clean, renewable energy that reduces reliance on fossil fuels, lowers greenhouse gas emissions, and helps combat climate change. They also provide long-term cost savings through reduced electricity bills and require relatively low maintenance, making them an efficient and sustainable energy solution.

An additional solar power plant has been installed in Croatia, featuring a capacity of 300 kW. This project involved an investment of 260,000 € and is expected to produce approximately 330,000 kWh of electricity per year. As a result, the solar plant will contribute to a significant reduction in carbon dioxide emissions, lowering CO_2 output by an estimated 109 tons annually.

Figure 15: Solar power plant in Croatia

As described in the previous environmental report (2021-2023), the entities Farrel Corp in Ansonia, USA and in Dubnica, Slovakia have had solar panels installed and in operation for several years. These systems contribute to the generation of renewable energy on-site and support the ongoing reduction of the overall carbon footprint. An overview of the solar power generated, measured in kWh, for the years 2024 and 2025 is provided at the end of this report.

7. Paper consumption [GER, IT]

In Freudenberg, we achieved a significant reduction in prints by implementation a new printing system that requires a chip release on the printer, prompting you to confirm your intention to print twice. Once at the click of the mouse and again at the printer. As a result, over 3,000 jobs were not printed in 2024. The increased use of recycled paper also led to higher savings in terms of “consumed trees”, as well as water and energy usage.

The increased sheet consumption in 2025 can be explained by higher production numbers. However, thanks to the use of recycled paper, our paper consumption still had a much smaller environmental footprint. The development figures between 2022 and 2025 can be seen below.

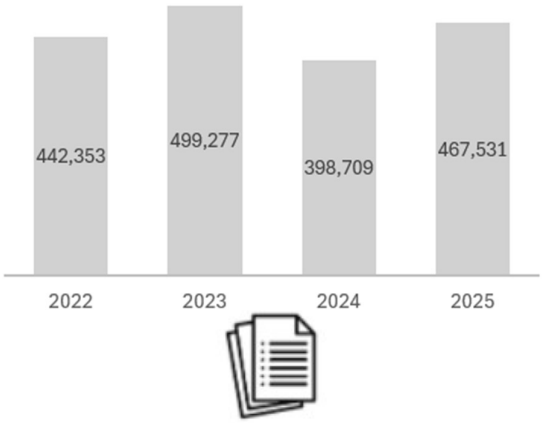


Figure 16: Sheet consumption Freudenberg

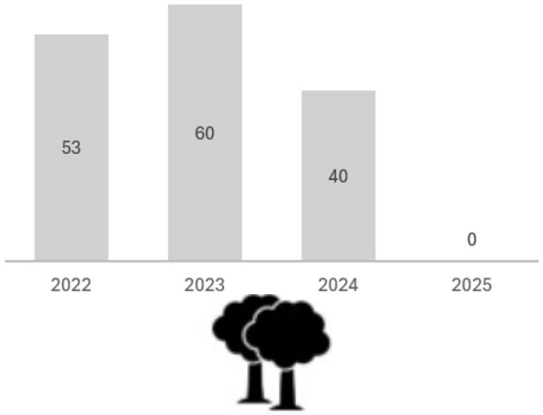


Figure 17: Equivalent „trees consumed“

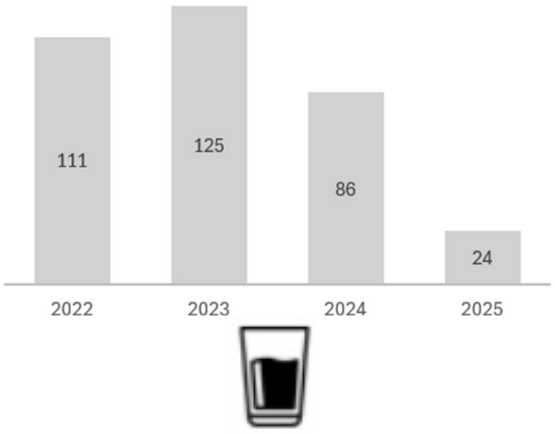


Figure 18: Water needed for paper production in m^3

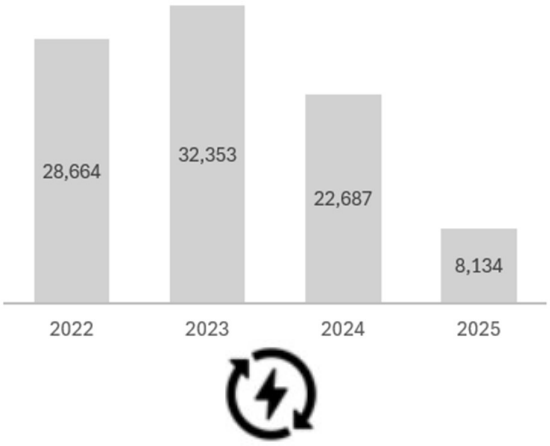


Figure 19: Energy use for paper production in kWh

We have also increased our efforts regarding paper consumption in Rescaldina, where they are setting up continuous KPI monitoring, which will form the basis for practical implementations in this field in the near future.

8. Sustainable waste management [GER]

Since many years now, HF Freudenberg is working in close partnership with Remondis, a certified waste disposal contractor, to ensure a sustainable disposal of our waste. With the sustainability certificate, Remondis & HF Freudenberg demonstrates the annual success.

In the upcoming years we would like to continue this collaboration to keep the positive effects in resulting advantages, as an example, summarised for 2024 below:

- Raw materials savings:
  - Fossil resource savings amounting to 42.5 t oil equivalent
  - Consumption of metals amounting to 2.6 t copper equivalent
  - Biogenic resource savings amounting to 26.5 t wood equivalent
- Energy savings amounting to 765.8 MWh
- Greenhouse gas emission savings amounting to 61.3 t CO_2 equivalent

REMONDIS®
WORKING FOR THE FUTURE

Sustainability Certificate 2024

Harburg-Freudenberger Maschinenbau GmbH, Freudenberg

made valuable contributions to climate and environmental protection through its collaboration with the REMONDIS Group again in 2024.*

- Raw materials savings:
  - Fossil resource savings amounting to 42.5 t oil equivalent
  - Consumption of metals amounting to 2.6 t copper equivalent
  - Biogenic resource savings amounting to 28.5 t wood equivalent
- Energy savings amounting to 765.8 MWh
- Greenhouse gas emission savings amounting to 61.3 t CO_2 equivalent

According to the Waste Balance 2024, the following waste streams were taken into account in the evaluation process:
mixed waste for recycling // paper, card, cardboard // plastic film, plastics // small electronic devices // wood.

The environment thanks. We thank you for your trust.

REMONDIS SE & Co. KG
Thomas Conzendorf
Board Member

REMONDIS Sustainable Services GmbH
Sven Averhage
Managing Director

* The data was determined by the REMONDIS Group using a scientific calculation tool developed by the Fraunhofer Institute for Environmental, Safety, and Energy Technology UMSICHT, Institute Branch Sulzbach-Rosenberg. As of: 01.2025

Figure 20: Remondis Sustainability certificate 2024 for Freudenberg, Germany

9. Energy monitoring system implementation [GER, CRO]

In a bachelor thesis, the energy data collection at the Freudenberg site in 2023 was analysed. For this purpose, the energy flows were balanced. The results of the thesis provided recommendations for the introduction of an energy monitoring system. First, the status quo of the measuring points and supply networks was recorded. The measured data was then correctly assigned and compared with the utility bills. To visualise the electrical energy flows, Sankey diagrams were used that also helped to identify deviations and sources of error.

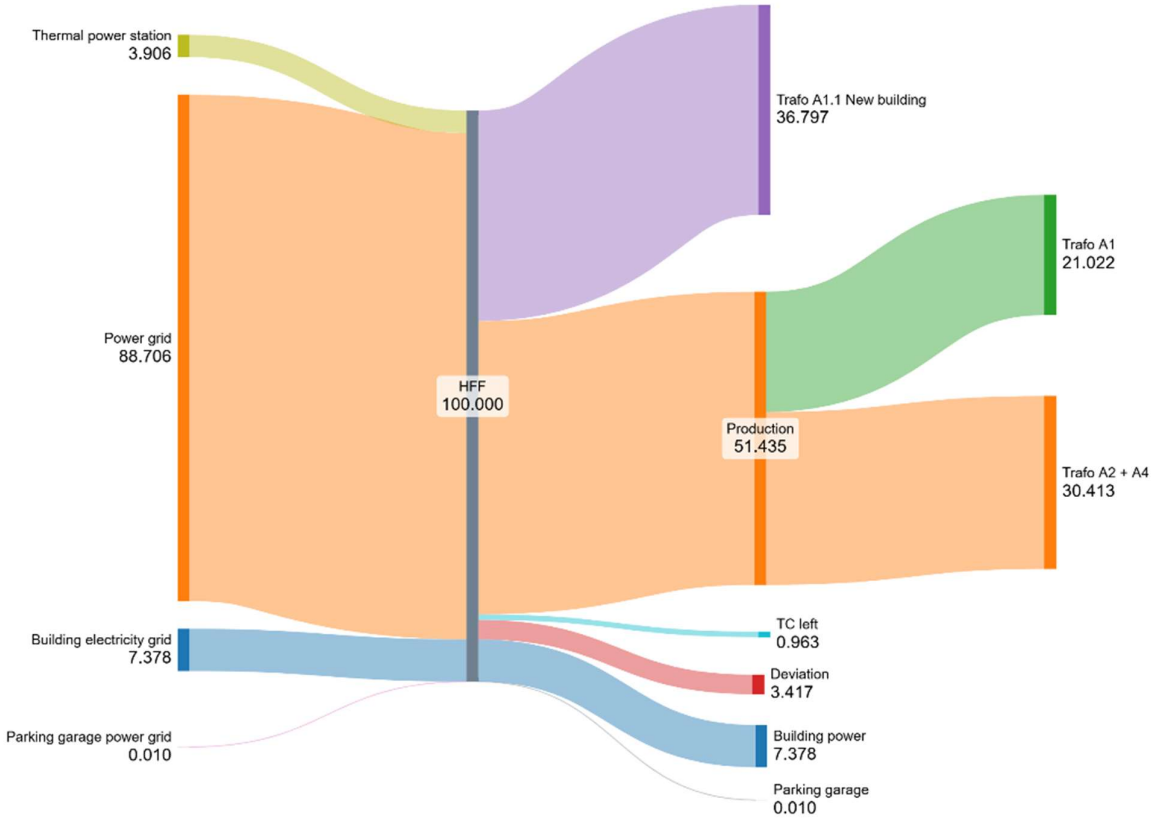


Figure 20: Power consumption in Freudenberg (%) in 2023, illustrated as a Sankey diagram

This was followed by a comprehensive energy balance of the site, in which the total energy requirement was calculated and broken down into individual side units. The resulting greenhouse gas emissions were also calculated. Finally, an economic evaluation was carried out, in which the energy costs were calculated and future scenarios for 2023 were predicted. Various developments in energy costs were considered, particularly with rising CO_2 prices.

In order to demonstrate the superiority of an energy monitoring system, a typical mixing trial was conducted in the technical center. Since the mixer was already equipped with the necessary measurement technology, the power consumption could be recorded and visualised in a diagram (figure 21).

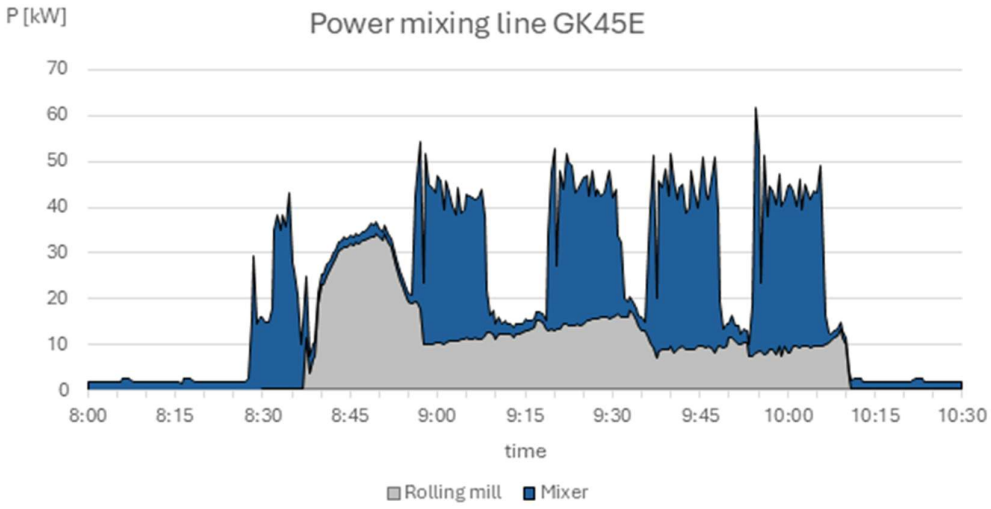


Figure 21: Power mixing line IM45E

The experiment showed that with this data we can assign every single batch its specific energy use. It also showed that energy could be better saved by optimising the process of this experiment for example by reducing the time between the individual mixing processes.

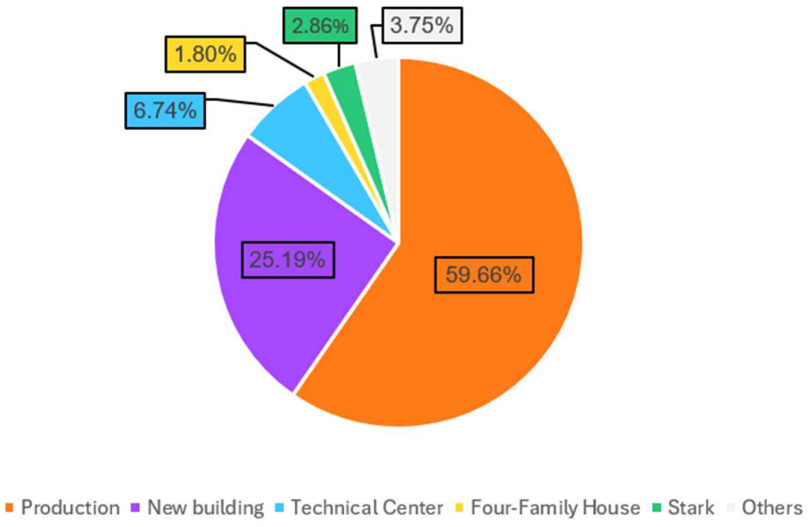


Figure 22: Total energy consumption (%) in Freudenberg, 2023

The energy balances showed that the focus should be placed on the production areas and the new building, as they accounted for 85% of total energy consumption.

Based on the 2023 analysis, we developed a measurement concept. The first meters were ordered in November 2024. The first installations took place in February 2025. In April 2025, we announced the switch to Optenda, with further installations taking place in the summer. In September, we held an on-site meeting with Optenda to identify additional measuring points. Subsequently, server-side changes were implemented in Freudenberg and Belišće.

The software has been running since the end of November 2025, and data will be available in early 2026 once the new meters are installed and the final setup steps are completed

In Belišće, 12 measuring points are currently operated within the Optenda software. At present, only electrical energy is being monitored, with the possibility of adding water and gas measurements in the future.

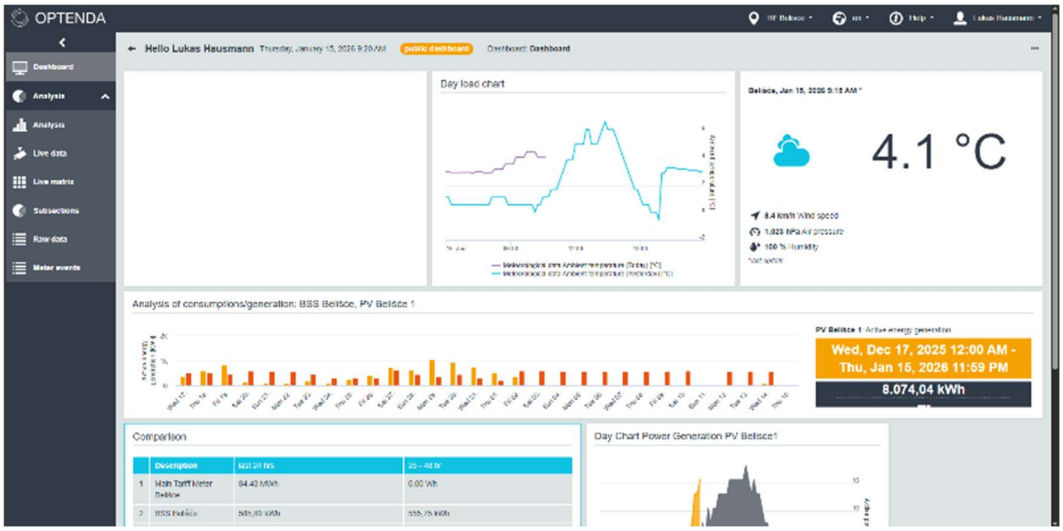


Figure 23: Optenda dashbord for the entity in Belišće, Croatia

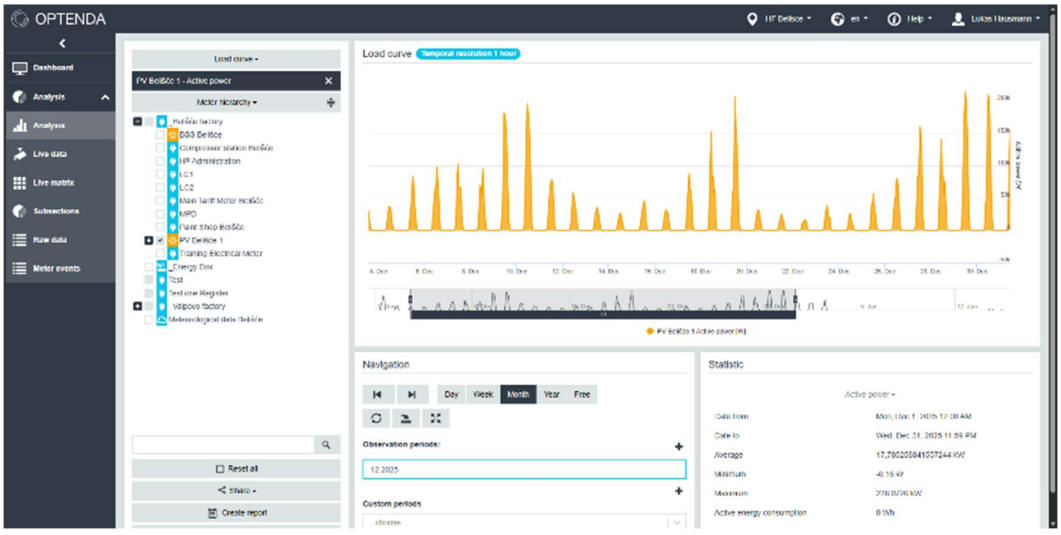


Figure 24: Optenda view of PV peak loads in December, in Belišće, Croatia

10. Inline Process Monitoring [GER]

The Inline Process Monitoring system is an innovative project currently under development and in its prototype phase. Its primary objective is to significantly reduce production scrap, thereby conserving valuable raw materials and contributing to more sustainable and resource-efficient manufacturing processes. By enabling continuous, real-time monitoring of critical process parameters, the system aims to identify deviations at an early stage and support operators in maintaining optimal production conditions.

The following procedure is followed:

1. Selecting measurement data from “good” batches
2. Configuring parameters that should be monitored
3. Configuring tolerance intervals for each parameter and individual mixing steps
4. Saving tolerance intervals for the dedicated recipe
5. Selecting produced batches for validation against the tolerance intervals
6. Receiving “bad” quality label as soon as a deviation or violation of the tolerance.

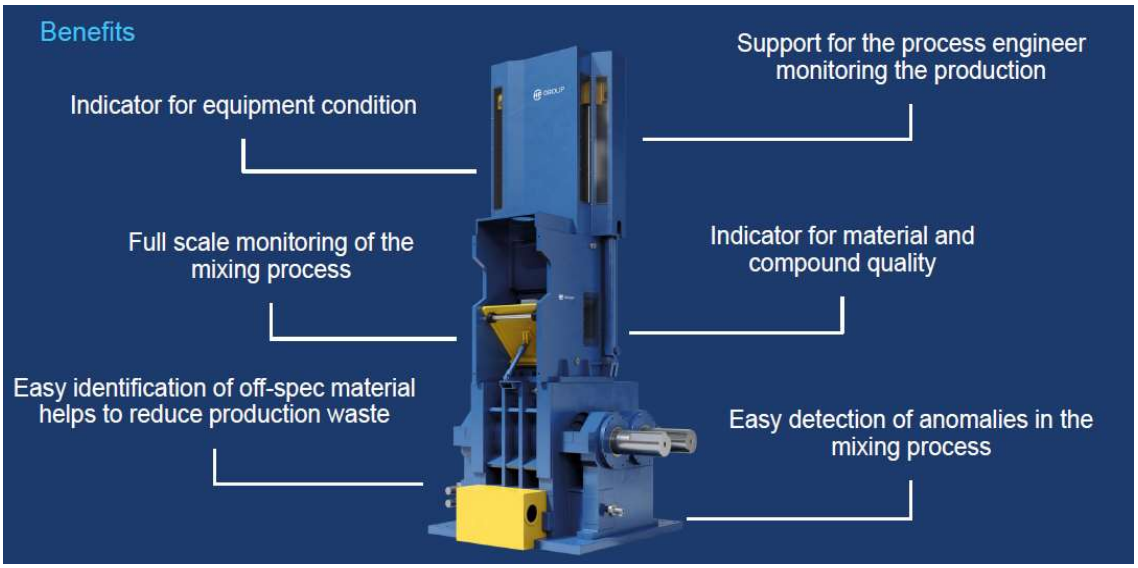


Figure 25: Benefits of the Inline Process Monitoring

Once fully developed, the solution is designed to be seamlessly integrated into machines operating with the Advise 4.0 system. It is intended to be versatile in its application, covering key stages of the production process, including weighing, mixing, and downstream operations. This broad applicability ensures that the system can deliver value across multiple process steps, enhancing overall efficiency and product quality.

Looking ahead, the Inline Process Monitoring system is expected to reach market readiness and be officially launched in 2026. Upon release, it has the potential to become a valuable tool for companies seeking to optimise their production workflows, reduce waste, and align with increasingly important sustainability goals.

11. Sustainable Engineering

11.1 Electrical Curing [HFG]

Electrical Curing is a huge innovation which can both be applied on existing curing presses or produced as new presses. It has many advantages as it minimises environmental impact, optimises energy efficiency and improves tyre quality.

Figure 26: Electrical Curing Press

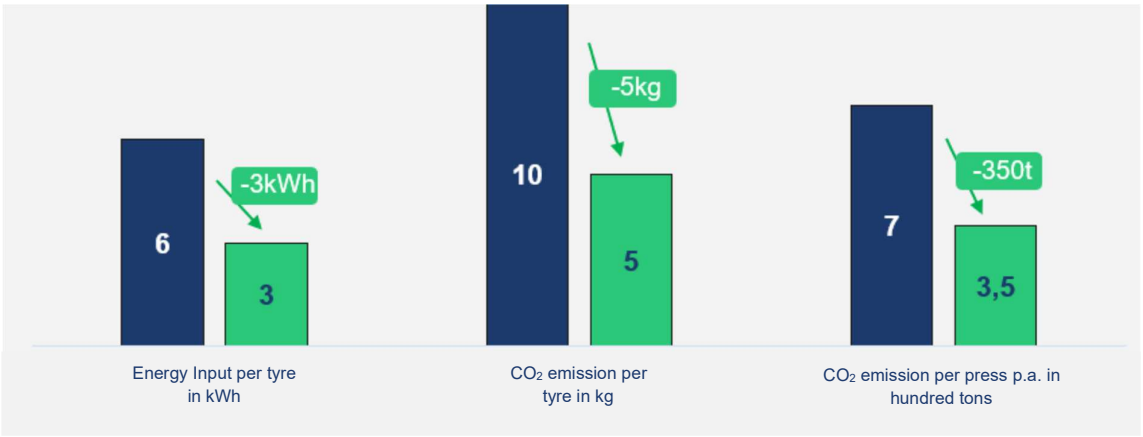


Figure 27: Comparison between E-Curing vs. steam curing

Electrical Curing leads to reduced CO_2 emission by 50% (based on non-renewable energy assumption). With a market volume of 2.3 billion new tyres produced annually by 2031, E-Curing can potentially save 21 M tons of CO_2 per year!

Advantages of the electrical heating solution:

- Less energy use per tyre
- Immense reduction in CO_2 emissions, up to 100% of the curing shop by using renewable energy
- Temperature and pressure are independently controlled
- Improved tyre quality due to more consistent temperature top to bottom
- AI controlled heat distribution - temperature range of 20-220°C
- Variable flow
- Cured with heated nitrogen -> nitrogen recovery system & nitrogen cooling

Figure 28: Electrically cured tyre

11.2 Electrical mixer [HFG]

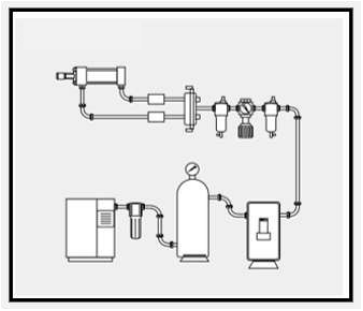


Figure 29: Layout pneumatic mixer

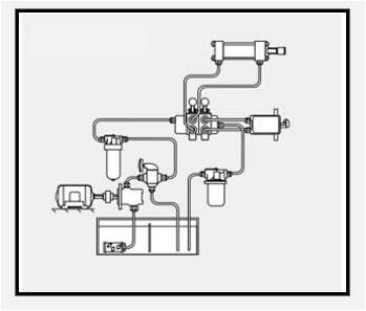


Figure 30: Layout hydraulic mixer

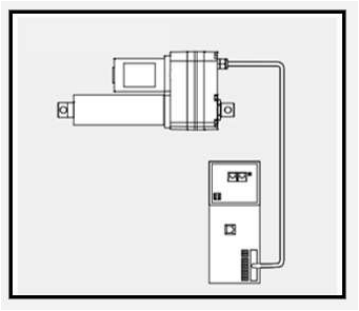


Figure 31: Layout electromechanical mixer

Compared to pneumatic and hydraulic mixers, electrical mixers bring many advantages with them. Their installation is simplified as they have far fewer components and zero piping requirements. They have very precise movement with excellent controllability, accurate feedback, lower maintenance requirements and little risk of contamination. Furthermore, energy savings are huge compared to traditional power transmission methods which lead to a smaller CO_2 footprint and the noise impact is reduced as well.

Electric Lab Mixer BR1600 - changes to common mixers:

- Electrically powered floating weight, drop door and latch
- Removal of hydraulic unit, all piping and service tray
- Removal of all pneumatics, piping/filters/accumulators etc.

Advantages of the Electric Lab Mixer

- Large reduction in maintenance efforts and costs
- More sustainable machine with increased efficiency
- Increased controllability and feedback
- Proven technical feasibility to progress to larger machines (2 cylinder & crosshead)

Figure 32: 1st all Electric Lab Mixer BR1600

11.3 New hard surfacing system HFSi50 [HFG]

HFSi50 is a newly developed hard surfacing solution for our tyre manufacturing applications. This advanced material integrates hard chrome functionality directly into its composition, eliminating the need for an additional chrome top layer.

By incorporating sustainable coating processes, HFSi50 helps conserve raw material resources and supports more sustainable production practices. Its exceptional performance lies in its ability to combine the durability and protection typically associated with hard chrome - without the environmental drawbacks of traditional chrome plating.

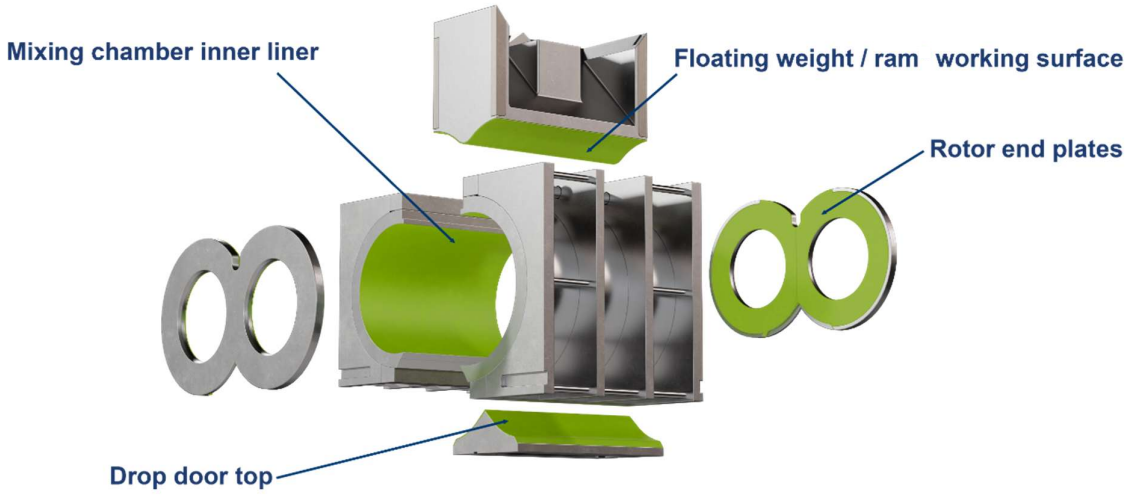


Figure 33: Hard surfacing system HFSi50

11.4 New iXSeal 2.0 – dust seal controller technology for HCD dust seals [HFG]

The new iXSeal 2.0 remarks the latest generation of dust seal controller for hydraulic dust seals (HCD). Using intelligent control algorithms, iXSeal 2.0 ensures that the dust seals operate at the minimum required hydraulic pressure and the pressure-dependent oil quantity, also taking into account the temperatures of the dust seals. This leads to an extended dust seal lifetime and a reduction in oil consumption, waste oil deposition or recycling. In addition, the new iXSeal 2.0 controller offers dust stop monitoring functions such as wear status monitoring of dust seal rings and monitoring of 'dust seal closed' status.

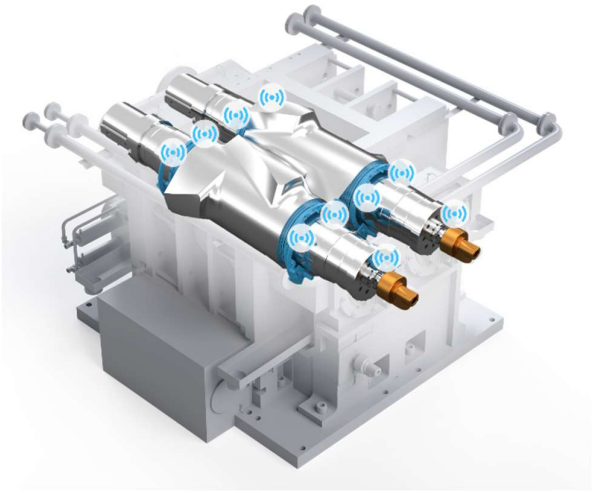


Figure 34: iXSeal 2.0

Key Benefits

- **Extended dust seal lifetime by using minimal optimal dust seal pressure**
- **Less lubrication oil consumption due to automatically optimised oil quantity**
- **Reduction of waste oil**
- **Monitoring of dust seal ring wear status to reduce unplanned downtimes**
- **Monitoring of status "dust seal closed" for less downtimes due to material leakages etc.**

11.5 New PES7 intermeshing rotor technology [HFG]

The new PES7 intermeshing rotor technology marks a significant advancement in mixing performance and energy efficiency. Building on the success of the PES5, the PES7 delivers up to 15% higher throughput and up to 10% lower specific energy consumption – achieved without compromising the quality of the compound.

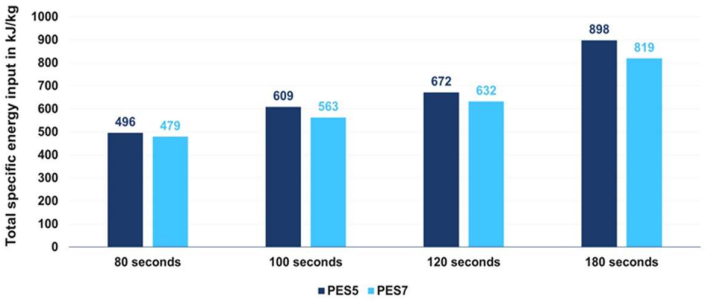


Figure 35: Total specific energy input

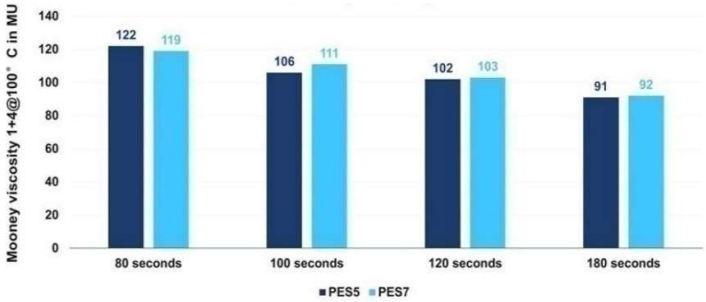


Figure 36: Mooney viscosity

The improvement is achieved through a larger mixing chamber volume, a higher fill factor and a faster material intake. In addition, the completely new rotor design with its more effective compounding behavior and lower specific energy consumption results in a more energy efficient mixing process at the same compound quality.

With its reduced specific energy demand, the PES7 technology also contributes to lower CO_2 emissions.

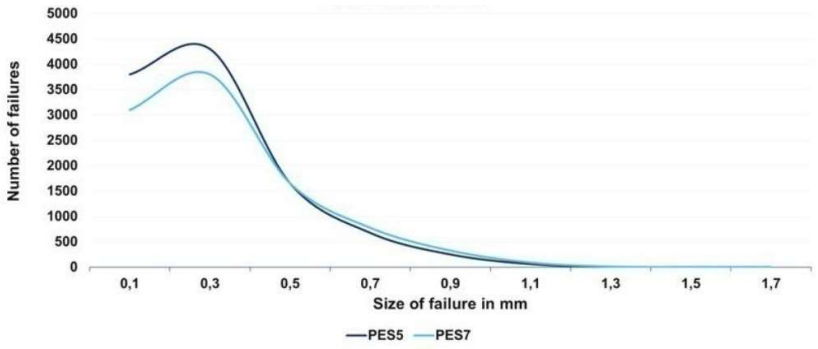


Figure 37: Error distribution

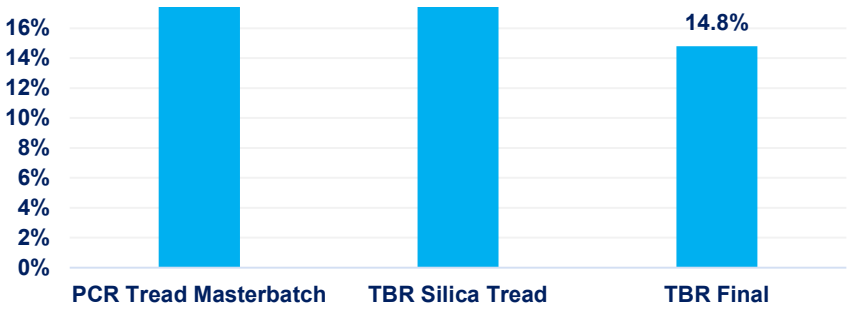


Figure 38: Batch size tyre compound IM45E increase PES 7 vs. PES 5 – at same compound quality level

11.6 Project Update "PARNES" [HFG]

The short-term PARNES stands for the German translation of "Process-integrated exhaust gas treatment in tyre production through the use of feed streams as sorbents". This project, previously introduced in our last Environmental Report (2021-2023), has made a new significant development. The focus remains on optimising the entire mixing room with a particular emphasis on efficient and environmentally responsible volatile organic compound (VOC) treatment.

The project centres around developing an advanced absorber concept that utilises fillers as absorbents, integrated with a smart aspiration system. This approach enables effective VOC capture without the need for traditional exhaust gas combustion, leading to notable energy savings and a reduction in fossil gas usage. As a result, CO_2 emissions can be significantly decreased, contributing to a more sustainable production environment.

Compared to the previous design, the updated concept eliminates the need to introduce additional dirty gases into the process, thereby simplifying the system and improving its environmental footprint.

Key Benefits:

- **Effective and sustainable solution for VOC treatment**
- **Enhanced intelligence and automation in mixing room operations**
- **Significant reductions in energy costs and emissions**
- **Compliance with increasingly stringent environmental regulations**

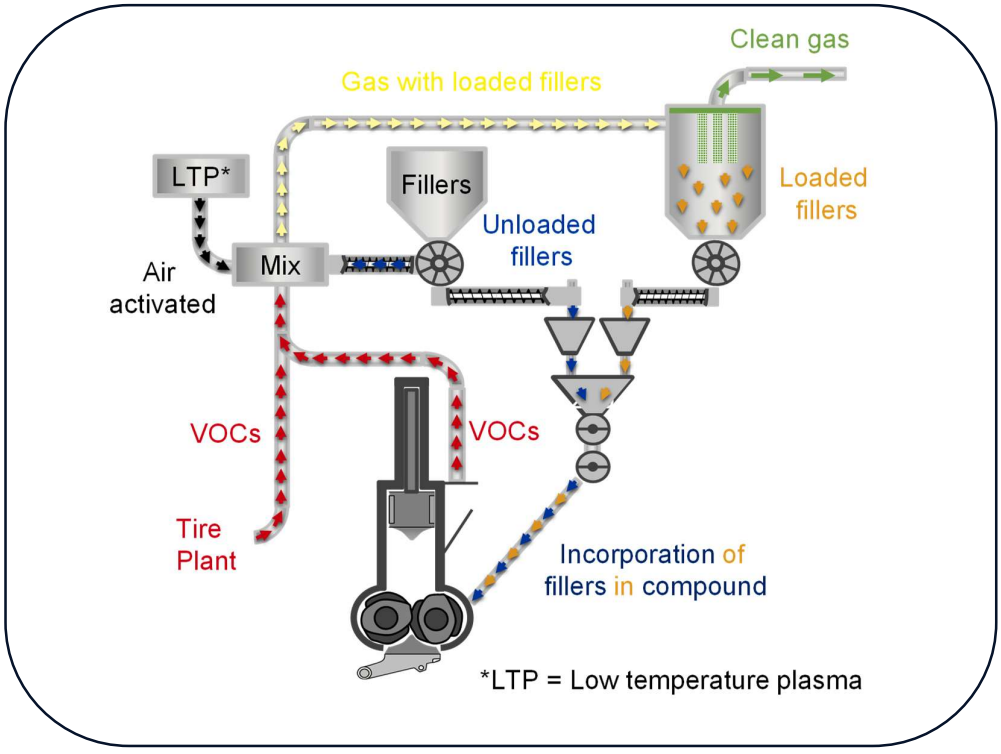


Figure 39: Updated adsorber concept

11.7 Customer service engineering [GER]

Since many years now, we are offering our customers, service engineering. In our service area, we recondition mixers e.g. by developing plated feeding which prevents walls from being discarded. This contributes to a circular economy and brings our customers benefits such as saving of costs (by re-using existing assemblies & parts) or easier refurbishing/ retrofitting of mixer bodies or feeding devices.

➔ Condition assessment necessary: Is re-work possible and useful or replacement recommended?

Example hydraulic hopper IM550E:

- Re-use: side walls, rear wall, front wall, chute cover, lifting device, support feeding door cylinder, buffer holder, etc.
- Re-new: chute plating, corner ledges of ram and wear strips. guiding plates, feeding door shaft, all sealings, all cylinders, all high stressed and safety parts, all electric components, etc.
- Re-work: (post-processing of surfaces): ram, guiding rod, feeding door flap, chute cover inner surface, chute openings, etc.

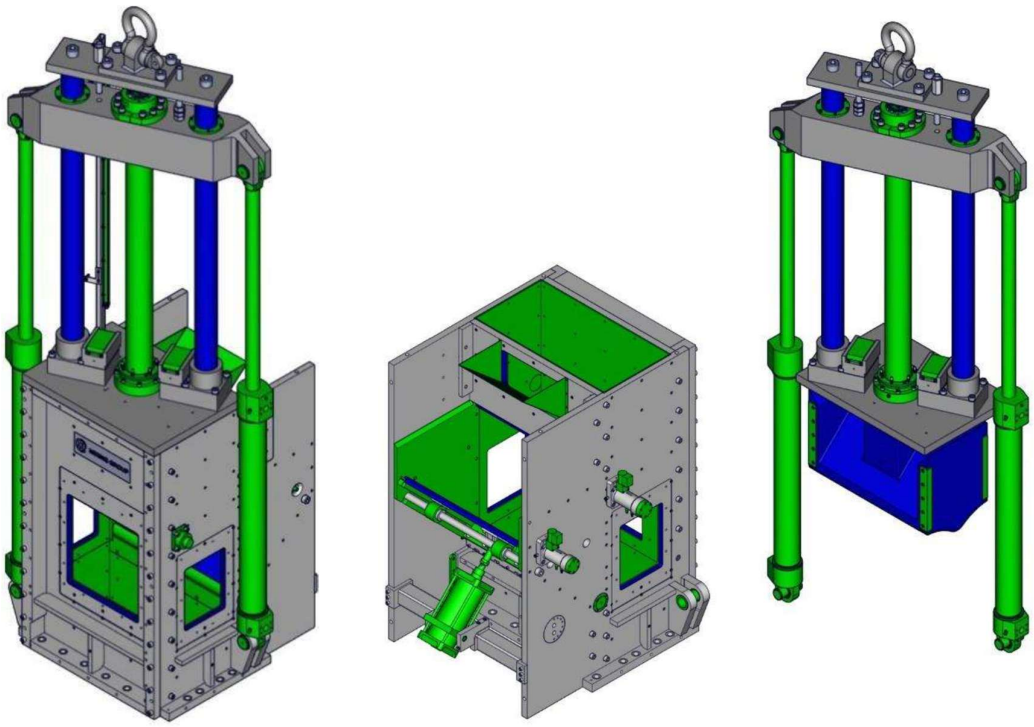


Figure 40: Hydraulic hopper IM550E

12. Employees

12.1. Participation of employees in sustainability topics [GER]

To keep improving in different ways of sustainability, it is important to us to include employees in the processes, which also is stated in ISO 45001. This is why we currently have three projects in Freudenberg, which lay focus to the participation of employees who are willing to give their inputs Examples for that are:

- ➔ 5 to 12 – Snack with Purpose
- ➔ Energy Scouts
- ➔ BGHM Safety Award

Based on an idea originally proposed by Farrel Corp. several years ago, the “Sustainability Lunch Club”, also known as **“5 to 12 – Snack with Purpose”**, was introduced at our Freudenberg entity in 2025. Prior to the launch of this initiative, HFF had an environmental management team and an energy management team from 2015 onwards. These two teams were merged in 2021 to form the Green Team. All of these initiatives are intended to generate and implement ideas that will make our site more sustainable.

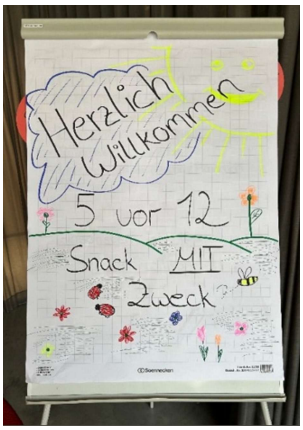


Figure 41: 5 to 12 flipchart

The “Snack with Purpose” meetings are held regularly in a relaxed atmosphere to gather and develop ideas, and to plan implementations that will enrich the working environment of HF employees. There is a particular focus on sustainable projects that can be implemented in small teams. Any employee with a creative mind and an interest in environmental issues, resource conservation and sustainability is welcome to join this initiative, which takes place twice a year.

To date, we have successfully participated, three times in the **Energy Scouts** initiative and, are currently participating for the fourth time.

The ‘Energy Scouts’ project is a free training programme for apprentices, run by the Chamber of Industry and Commerce in partnership with the Climate Protection Business Network. In our company, our energy scouts help to identify and document potential savings in energy and raw material usage, and suggest and implement improvements.

Figure 42: HFF Energy Scouts

We are very keen to continue participating in the programme, as it offers two major sustainability advantages. Firstly, our employees gain valuable knowledge about sustainability

and how to improve it within a company. Secondly, by involving apprentices in the programme, we can benefit from their acquired skills for many years to come.

Another way to familiarise our apprentices with sustainability topics is to apply for the **BGHM safety award**. To have a chance of winning, they must design ideas that either make working safer, such as preventing accidents, storing hazardous substances more safely, or promote the health of the workforce.

Three of our apprentices in Freudenberg, Germany, were awarded the **BGHM's 2024/2025 Special Trainee Prize**. Under the motto ‘Safe without addiction – your ideas for a (working) life without drugs,’ they impressed the jury with a comprehensive multi-channel concept for addiction prevention.

For their project, they developed a series of effective measures: informative flyers, accompanying articles on our internal communication channels and digital training for employees.

Figure 43: Award ceremony for our apprentices in Freudenberg in November 2025

With this holistic communication strategy, they sent a strong signal for prevention and education in everyday working life. Thanks to their commitment and creative solutions, the trainees succeeded in beating numerous other entries to win this year's special prize. We are proud of this outstanding achievement and congratulate them warmly on their success.

12.2. HF GROUP's Commitment to SDGs: Educational Outreach at School [GER]

In June 2025, HF GROUP took part in a special event at the "Gymnasium Am Löhrtor" secondary school. The school, located in the centre of Siegen, organised a kind of 'World Café' for its pupils in grades 9 to 11, an exchange with local companies from the region. In addition to career opportunities such as the presentation of apprenticeships and study programmes, the focus was particularly on the United Nations' 17 Sustainable Development Goals (SDGs) and how these are implemented and promoted in practice by regional companies.

And so the exchange began, with the groups of students, who had selected various targets in advance according to their interests and learned more about the companies' commitment. HF GROUP, represented by two trainees, as well as a working student from the HSE department, reported on three goals. In the run-up to the event, they worked together to compile sustainable HF solutions, selected interesting topics for the pupils and designed a separate presentation for each goal.

Figure 44: HF employees visiting the school

This is a brief overview of the topics HF focused on in particular:

Figure 45: SDG 4

Quality education:

- Sustainable HF programmes
- Cooperation with University of Siegen
- Career guidance
- Energy Scout Project
- BGHM Trainee Safety Award (addiction prevention)

Industry, innovation und infrastructure:

- Energy Monitoring
- Electrification
- Electric tyre pressing (e-curing)
- Installation of PV Systems
- WF-Recycle Tech

Figure 2: SDG 9

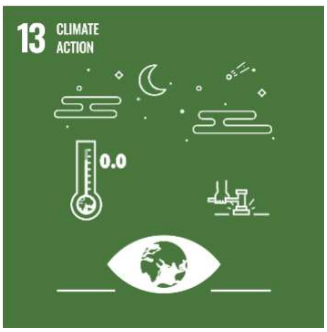


Figure 3: SDG 13

Climate Protection Measures:

- Purchase of green electricity
- Electric industrial furnace in Freudenberg
- Switch to LED lighting
- Transformation plan
- WF-Recycle Tech

12.3. First HF Health Week [GER]

Figure 48: Health Week flyer

The first HF Health Week took place in Freudenberg from 1st to 5th of July 2024. The aim was to work together on health and well-being within the workforce in this way. The idea was developed in collaboration between the HR and QHSE department and the resulting concept was gladly approved by the management. Thanks to the cooperation with the AMZ (Occupational Health Centre), various health insurance companies, the BGHM (German Employers' Liability Insurance Association for Wood and Metal), G&H (company restaurant "Genuss & Harmonie") and the physiotherapists from the STARK fitness studio, no additional costs were incurred by the company for the realisation of this project.

The Health Week program consisted of various offers that were well received. The most popular was a body analysis, which offered the opportunity to find out more about one's own physical condition and receive personalised tips on how to improve it. In particular, skin analyses were also carried out by experts and helpful advice was given on skin care. Employees were able to measure their stress levels using a stress scale and learn about stress management techniques.

Another highlight was the intoxication course, which interactively explained the effects of alcohol and cannabis consumption on perception. An alcohol calculator was also used to work out how many per mil alcoholic drinks produce in the body depending on gender, height and weight.

Figure 49: Different stations of the intoxication course

In addition to the programmes promoting physical health, which also included exercise classes in the company's own STARK fitness studio, an employee survey on psychological stress at work was conducted on two days in collaboration with the Institute for Occupational Medicine.

Figure 50: HF employees competing in the AOK company run

Our company restaurant supported the health week by offering particularly healthy dishes and by displaying recipe cards for healthy meals in the restaurant. The employees of Genuss & Harmonie also shared their expertise in the form of nutritional presentations. In addition to these, there were many other presentations that informed interested parties about various health topics throughout the entire health week. To coincide with HF Health Week, the 21st Siegerland AOK company run took place on Thursday, in which 25 HF employees took part this year.

12.4. B2Run [CRO]

Throughout the past years, HF Belišće participated in various events. One is the B2Run Croatia, which is a corporate race that promotes team spirit, a healthy lifestyle, and the exchange of experiences while expanding business networks. Each year, we bring together a team of colleagues from different departments who are eager to participate in the race, and we consistently achieve great results. Supporting and promoting a healthy and active lifestyle in the corporate environment is very important to us.

Figure 51: HF Belišće employees participating in the B2Run

12.5. Workers' Sports Games [CRO]

Figure 52: HF Belišće employees participating Workers' Sports Games

Workers' Sports Games are a team-building event that brings our employees together once a year, usually in September or October. We compete in a variety of disciplines such as card games, bowling, darts, football, table tennis, and human table football. After the competitions, we announce the winners and enjoy lunch and drinks together. We have been organising this event for over 10 years, as it provides a valuable opportunity to strengthen team spirit, togetherness, and collaboration.

12.6. Tool lending in Freudenberg [GER]

As part of HFF's commitment to sustainability and social standards, a tool lending program has been established within the tool management department. This initiative allows employees to borrow tools for private use, reducing the need for each individual to purchase rarely used equipment.

When an employee requires a specific tool that they do not own, they can simply inquire with the tool management department about its availability. If the tool is not needed for immediate company use, it can be borrowed for a defined period, with the return date recorded to ensure proper tracking. A detailed borrowing log enables the department to maintain a clear overview of all issued tools.

Should a borrowed tool be required for company operations earlier than planned, the employee is asked to return it temporarily and may borrow it again once it is available.

The most frequently borrowed items include battery-powered tools, angle grinders, hammer drills, impact wrenches, torque wrenches, and multi-tools — though virtually any tool may be requested.

Employees are expected to handle all equipment with care, a practice that has proven effective and responsible in the past. The program has been widely embraced by staff and has demonstrated clear benefits: it saves employees money, thus increasing employee satisfaction, promotes resource sharing, and contributes to HFF's broader sustainability goals by reducing material consumption and waste.

Figure 53: Cordless screwdriver

Figure 54: Hammer drill

Figure 55: Multi-tool

Figure 56: Straight grinder

Figure 57: Small hammer drill

12.7. Bookcrossing – Save the Planet [IT]

At Pomini, the initiative **"Bookcrossing – Save the Planet"** was launched as a way to promote sustainability and community spirit within the workplace. As part of this initiative, a small library was purchased and is now located at the entrance of the building, easily accessible to all employees.

The library offers everyone the opportunity to share their books with colleagues – anyone can bring in books, borrow them, or simply browse through the collection. It's a simple yet impactful way to encourage reading, reduce waste, and strengthen connections among team members.

By giving books a second life, the initiative not only helps minimise paper consumption but also fosters a culture of trust, curiosity, and shared knowledge. It's a meaningful step toward creating a more sustainable and inspiring work environment.

Figure 58: New library at Pomini

12.8. Share & Care Board [GER]

Bring, swap, take away! The Share & Care Board was introduced in November 2024 in cooperation with Genuss & Harmonie and is located in front of the company restaurant. It offers the opportunity to make valuable items that you no longer need accessible to others by placing them on the shelf. Examples include books, crockery, board games and decorative items. After approx. 4 weeks, leftover items are passed on externally or disposed of.

The Share & Care Board is a simple but effective project for a sustainable cycle, joint and intelligent use of resources and environmental protection. This intention is well reflected by the dried coffee grounds, that are provided by the company restaurant and put in the shelf, as coffee ground can be used as fertiliser for plants.

The idea for the shelf came from the manager of the company restaurant (G&H), as empty glasses and plastic containers, for example, regularly accumulate there and can be reused. The project was planned and realised in collaboration with the HF Freudenberg Green Team.

Figure 59: The Share & Care Board

Balthasar Kinder- und Jugendhospiz | SOS KINDERDORF | JOHANNITER | WWF

Figure 60: Supported organisations through donations gathered in the Share & Care Board

The shelf has already been well used in the meantime and on 12 December 2024 a donation jar was added to collect money for charitable organisations. Because rather small amounts are collected in this way, it was decided that the donations would be added to larger fundraising campaigns, which appear from time to time at our site. The organisations to be supported with the proceeds include the Olpe Children's Hospice, SOS Children's Village, Johanniter and WWF.

GENUSS & HARMONIE DIE FRISCHEMACHER

13. Donations to people in need

13.1. Bake Off Competition [UK]

In Autumn 2025, colleagues at **Farrel Ltd.** (Rochdale) came together to support Macmillan Cancer Support by holding a coffee morning fundraiser. Staff were invited to put their baking skills to the test in their very own “Bake Off Competition”, which featured a fantastic spread of homemade cakes, bakes and sweet treats. After much tasting and tough judging by two employees, the winner was crowned - Farrel Star Baker 2025!

It was a brilliant way to enjoy some fabulous cakes while raising money for such an important cause! Thanks to everyone’s generosity, £250.85 was raised. After Farrel matched this figure, the total donation was £501.70, helping Macmillan to continue their incredible work.

Figure 61: HF Rochdale employees enjoying cakes and participating in the competition

13.2. HF brings back smiles [CRO]

For the past 13 years, we have been organising an annual humanitarian initiative called “HF brings back smiles” in cooperation with a local self-service store in Belišće that supports people in need. We invite our employees to take part by donating food (rice, pasta, sugar, flour…) and hygiene supplies (detergents, toothpastes, shampoo etc.), and we are very proud of their compassion, humanity, and solidarity shown through this initiative.

Figure 62: HF Belišće employees preparing food and hygiene supplies for donation

13.3. Three-course donation dinner made from rescued food [GER]

Food waste is a massive problem in our world. In Germany alone, over 18 million tons of food end up in the bin every year, even though it is of high quality and still eatable. This corresponds to almost a third of the food produced in the country. This is why there are more and more initiatives to counteract the unnecessary destruction of food. One of these initiatives is the association fairwertbar e. V. The association is not ‘only’ committed to combating the waste of resources, but also passes on its profits to local institutions that are in need of financial support. Thus, in November 2024, the association organised a fundraising dinner in cooperation with Genuss & Harmonie, who run the company restaurant in Freudenberg. In consultation with the chef, two HF employees who are involved with fairwertbar e. V. procured the necessary food for a fantastic three-course meal prepared exclusively from rescued food.

Figure 63: Food preparating

Figure 64: The starter, main dish, dessert and some of the guests enjoying the evening

56 guests took part in the dinner, which was held in the company restaurant, and generated a donation of 2,025 €, which was handed over to the Alzheimer's Association of the Siegen-Wittgenstein district. The organisers received ‘consistently positive feedback’ and impressively demonstrated with this campaign that food rescue can offer added value on various levels and that the effort is absolutely worthwhile. In addition, despite the enormous organisational effort, the organisers have already expressed the goal of holding more fundraising dinners of this kind in the future.

Figure 65: The cooking crew and volunteer organisers from fairwertbar e.V.

14. Sponsoring

14.1. Fortuna Freudenberg [GER]

Figure 66: Fortuna Freudenberg B-junior girls' team

In 2025, **HF Freudenberg** was pleased to extend its long-standing partnership with the local football club, Fortuna Freudenberg, with the aim of working more closely together in future, particularly with regard to training and promoting young talent. As a part this partnership, the HF GROUP logo now features on the jerseys of the B-Junior girls' team.

Furthermore, HF offered Fortuna Freudenberg the use of the company gym, “STARK”, during pre-season training, helping the team to achieve peak fitness and the best possible outcome in the upcoming season.

14.2. Youth football teams in England [UK]

Farrel Ltd. also sponsors several youth football teams.

Deans Sports U8s have kicked off the season in style with their brand-new kit — proudly sponsored by HF.

The team gives 100% in every match — demonstrating excellent teamwork, determination and enthusiasm.

Figure 67: Dean Sports U8s team(UK)

Figure 68: AFC Monton U7s teams “The Marvels” (l.) and “The Hurricanes” (r.)(UK)

Farrel Limited is also proud to sponsor AFC Monton U7s – a brilliant squad of 14 enthusiastic six- and seven-year-olds split into two matchday teams: The Marvels (Premier League) and the Hurricanes (Division 1). The players are taking to the pitch with pride, teamwork, and smiles in their brand new matching kits!

We’re delighted to help give these young footballers the opportunity to play and develop their skills together in the game they love.

All of the above are examples of the amazing social initiatives carried out at each HF site. It is worth noting that the sites can learn from each other. We are often inspired by each other’s new ideas and initiatives, and we are eager to implement them in the future as well.

15. Corporate communications on sustainability topics [HFG]

In order to demonstrate HF GROUP's commitment to sustainability, occupational safety and environmental awareness and to raise employee awareness of these issues, various initiatives have been taken to communicate successes and incentives in these areas:

- ➔ HF-Impulse
- ➔ QHSE-Newsletter
- ➔ Safety Alert of the month
- ➔ Environmental Report

Figure 69: HF-Impulse: Tips for a safe, healthy, environmental friendly and sustainable life

HF-Impulses offer tips for a safe, healthy, environmentally friendly and sustainable life. They are published at regular intervals. All employees are invited to submit feedback and ideas to the QHSE Team. It is particularly important to us that no one should be patronised by the impulse, but that they should merely serve as incentives and cover areas in both the work and private environment.

Examples of topics already covered include the use of height-adjustable desks, handling lithium-ion batteries, mental health, controlled alcohol consumption, the waste hierarchy and preventive medical check-ups. Where possible, HF-Impulses are published both for the German site and in English for the international sites.

The **QHSE Newsletter** contains all information on all innovations relating to Quality, Health, Safety & Environment. It is published at regular intervals in both German and English for the international locations.

The **Safety Alert of the month** refer to specific locations or situations in the company where special care or attention is required. They serve to prevent accidents and thus increase occupational safety and are published monthly for the German site and, where possible, in English for the international sites. All employees are called upon to report near-misses and unsafe conditions so that these can be communicated and rectified via the safety alert of the month.

Environmental Reports are planned to publish each year on a group level, like this report you are just reading, to show some highlighted projects in the area of environmental or sustainability topics, besides the legal required CSRD-Reporting, as described on the first pages of this report.

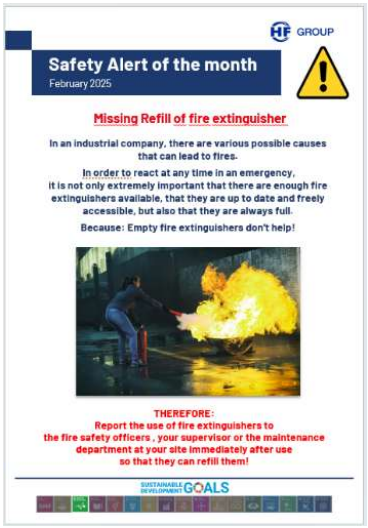


Figure 70: Example for a Safety Alert of the Month

16. ISO Certifications and EcoVadis sustainability ratings [HFG]

As the ISO standards provide a good framework for working in a structured manner, we at the HF GROUP attach great importance to these certifications. All HF GROUP sites can provide evidence of various certifications, each of which is valid for three years and is confirmed by annual monitoring audits.

- ➔ The ISO 9001 standard relates to the quality management systems of companies and all HF GROUP sites are certified in accordance with this standard. It defines the requirements that ensure that suitable processes are in place within the organisation in order to provide products and services of sufficient quality. The quality standards are based on customer expectations and legal and regulatory requirements, among other things. A continuous improvement process of the management system is also a prerequisite.
- ➔ ISO 14001 is the international environmental management standard. It includes requirements for ecological balance, environmental indicators and environmental performance evaluations, among other things. The sites in England, Italy, the USA and Germany currently have this certificate.
- ➔ ISO 45001, which has been certified for the HF GROUP's sites in England, Italy and Germany, describes the requirements for the occupational health and safety management system, which aims to reduce occupational accidents, work-related injuries and illnesses, as well as generally protect the health of employees in the workplace.

The ISO certifications form the basis for the EcoVadis sustainability assessment, which takes place at the sites at regular intervals. The EcoVadis assessment evaluates the four areas of 'environment', 'labour and human rights', 'ethics' and 'sustainable procurement'. These criteria are further broken down into specific indicators that assess a company's performance in terms of sustainability and social responsibility. The evaluation takes into account both company policy and actual practices and results. The aim of the evaluation is to help companies improve their sustainability performance and communicate it transparently.

In 2024, the HF GROUP site in Ansonia, USA was rated Gold, placing it in the top 5%.

'FARREL POMINI is honoured to receive this rating from EcoVadis, whose globally recognised rating system is invaluable in evaluating our sustainability management system,' said Farrel Pomini's Business Director. 'We take our role in promoting sustainability and a circular economy for the plastics industry very seriously - and our internal processes and practices reflect this commitment. Being recognised by EcoVadis validates our activities and enables us to move forward.'

Figure 71: EcoVadis Gold rating

Furthermore, POMINI (Italy) and Farrel Ltd. (UK) achieved EcoVadis Silver status in 2025. Meanwhile, HF Belišće was honoured with the award for the best example of a sustainable business model by the Croatian Chamber of Economy in 2025, and also having achieved EcoVadis Bronze status. These results demonstrate that the actions taken throughout the entire HF GROUP are recognised, providing us with additional motivation for the future.

17. Attachment - Important key figures 2024 [HFG]

Power consumption:

USA: 443,160 kWh

Slovakia: 2,694,770 kWh

Germany: 1,828,163 kWh

Italy: 19,310 kWh

England: 1,844,722 kWh

Croatia: 3,595,025 kWh

Total: 10,425,150 kWh

Gas consumption:

USA: 539,002 kWh

Slovakia: 992,530 kWh

Germany: 1,359,132 kWh

Italy: 66,697 kWh

England: 3,208,606 kWh

Croatia: 4,251,585 kWh

Total: 10,417,552 kWh

Generated solar power:

USA: 440,000 kWh

Slovakia: 560,500 kWh

Croatia: 988,130 kWh

Total: 1,988,630 kWh

Gross scope 1+2 emissions in tons:

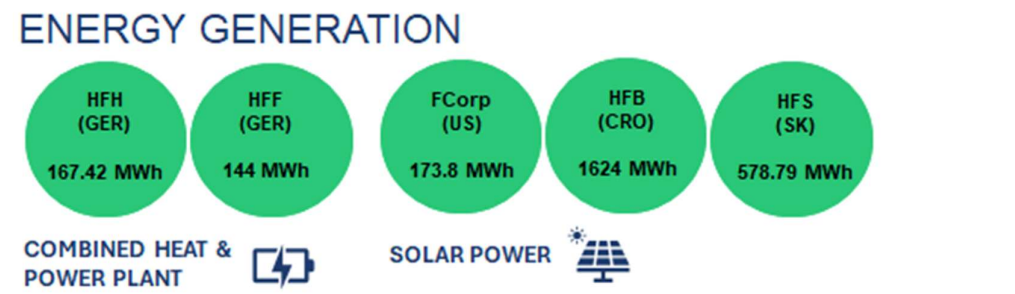
2778,64 t

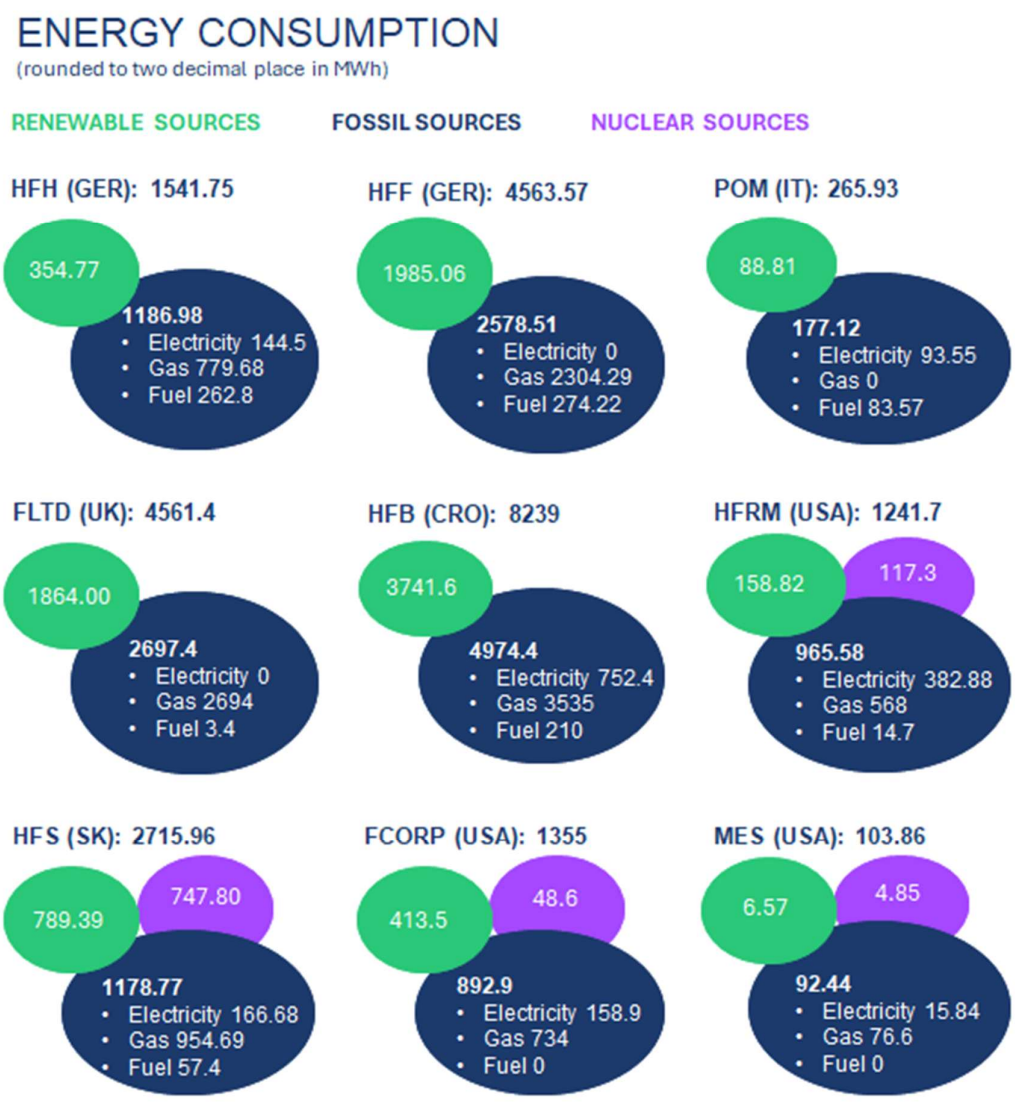
CO2 savings in tons (through generated solar power) :

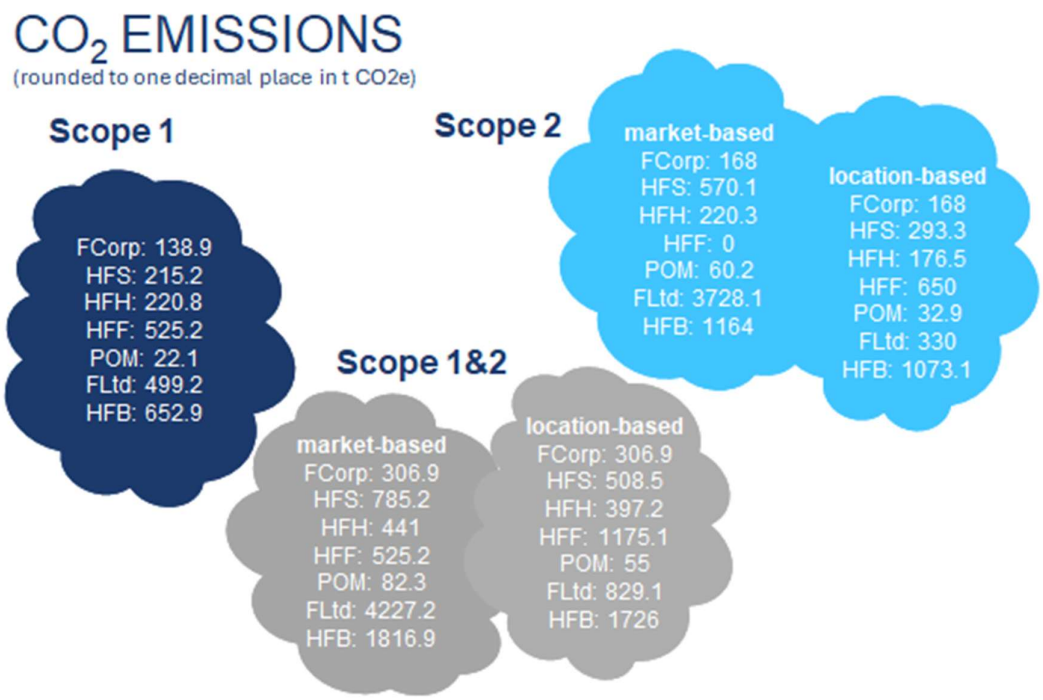
365,46 t

These key figures form an integral part of the CSRD reporting for 2024, as outlined at the beginning of this document, provide the basis for a transparent and consistent assessment of our sustainability performance

18. Attachment - Important key figures 2025 [HFG]







The key figures for 2025 show a significant improvement in accuracy compared to previous years, driven by the introduction of a revised reporting structure and a dedicated reporting tool. In line with CSRD requirements, we expanded our reporting scope at the beginning of 2026. In addition to energy consumption and CO_2 emissions, we now provide greater transparency on energy sources, enabling a more comprehensive assessment of our environmental performance.

Energy is generated at two locations using combined heat and power (CHP) plants, supporting efficient and lower-emission operations. In addition, three sites have long-standing solar installations contributing to renewable energy use.

Total energy consumption includes self-generated and purchased electricity, natural gas, and fuel used for company vehicles and forklifts. Continuous monitoring of these sources supports our efforts to improve energy efficiency and reduce environmental impact – here listed for the relevant production entities.

Scope 1 and Scope 2 emissions are reported using both location-based and market-based approaches. The location-based method reflects the average emissions of the local energy grid. The market-based method reflects emissions based on the company's electricity procurement, including renewable energy contracts Using both methods provides a more complete view: the location-based method shows the overall grid impact, while the market-based method reflects the effect of active energy sourcing strategies

19. Attachment - legal notice

Commercial register:
Hamburg Local Court;
Section B. No. 64651

Management:
Olaf J. Müller
Dr. Holger Rudzio
Ian Wilson
Chairman of the Supervisory Board: Marcus Meulbroek

Sales tax identification number:
DE 811151610 Harburg
Tax-No. 21 22 290 0900 3

Registered office: Hamburg

A member of the POSSEHL-group

Contact:
Harburg-Freudenberger Maschinenbau GmbH
Schlachthofstrasse 22
D-21079 Hamburg

Homepage: hf-group.com

Contact HF GROUP Sustainability / HSE Departement:
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Asdorfer Strasse 60
57258 Freudenberg, Germany

Phone: +49 (0)2734 / 491-0
E-Mail: hse@hf-group.com

A sincere thank you to all employees across the HF Group who have contributed to this report. Your engagement, insights, and the data you have shared have been invaluable in bringing this work together. We truly appreciate the time, care, and expertise that each of you has dedicated throughout the process. Whether through advancing energy-efficient practices, driving sustainable product development, reducing waste, or supporting other important initiatives, your efforts make a meaningful difference. Together, you are helping to shape a more responsible and sustainable future for our company and beyond.
Thank you once again for your commitment, collaboration, and continued support.

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