# WE CARE ABOUT A CLEAN FUTURE

PERFORMANCE REPORT WITH INTEGRATED ENVIRONMENTAL STATEMENT 2023 MAGNA STEYR GRAZ

Foreword by Roland Prettner, Interim President Magna Steyr ►



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### SUSTAINABILITY CREATING A BETTER WORLD OF MOBILITY, RESPONSIBLY.

Sustainability is a key priority at Magna. We acknowledge the reality of climate change and its impact on our planet. That's why our company focuses on doing the right things today, to safeguard the quality of life both for this and future generations.

In our sustainability strategy, we have defined three pillars, namely Product, Process and People, to illustrate our commitments in the different domains of impact. With our products, we aim to create better and more sustainable solutions for a better world of mobility. Under the Process pillar, all our manufacturing processes are geared towards minimizing environmental impact. The People pillar focuses on our employees; here, we are placing particular emphasis on awarenessraising measures with various formats such as videos, quiz elements and competitions to maximize the reach and impact of our internal communication.

As a responsible business enterprise, we strive to strike a healthy balance between economic, ecological and social objectives. Our endeavour is guided by the SDGs (Sustainable Development Goals) of the United Nations, and we make important contributions in various areas highlighted there.

Innovative products and a keen energy awareness in production are at the heart of our efforts to reduce our global carbon footprint. We are particularly proud that production at our plant in Graz has been carbon neutral since the beginning of 2022.

To continue this success, we evaluate our activities and initiatives regularly to make further progress and ensure that our impact on the environment is further reduced. Additional initiatives such as the ride-sharing service introduced last year, which makes carpooling attractive for our employees, also contribute to climate protection.



Furthermore, Magna's corporate culture places a distinct focus on social commitment. In this context, I must specifically recognize the impressive team spirit of our employees, as shown by their participation together with us in the "Get Moving" initiative of Austrian Cancer Aid, as well as the numerous other projects and campaigns, some of which were initiated by the functional departments.

We are proud to have reached another important milestone in the history of our company in 2022, namely the 4 million vehicles produced and shipped to our customers. A big thank you goes out to our great team, which contributes to the success of our company every day with immense passion, lots of expertise and superb dedication. True to our mission, we are therefore creating a better world of mobility, responsibly.

Forward. For all. Roland Prettner, Interim President Magna Steyr

# THE FUTURE OF MOBILITY BEGINS AT MAGNA:

Magna International is a leading global automotive supplier with 351 manufacturing locations plus 103 product development, engineering and sales centers in 30 countries.\* We have over 174,000 employees focused on delivering superior value to our customers through innovative processes and World Class Manufacturing. Decades of experience, complete vehicle expertise and the ability to spot new trends give Magna the flexibility it needs to create tomorrow's innovations, making us an ideal partner for autonomous driving, electrification and the production of complete vehicles. Magna's ambition is to develop the mobility solutions of the future. Our innovation and manufacturing competence comes from a complete understanding of the vehicle. Our service portfolio covers both modular solutions for every system and every part, as well as complete vehicle manufacturing.

### MAGNA INTERNATIONAL IS DIVIDED INTO 4 PRODUCT AREAS:

**Body Exteriors & Structures:** 



Body & Chassis



Exteriors

### **Power & Vision:**



Powertrain



Electronics



Mechatronics, Mirrors, Lighting

### **Complete Vehicles:**



Seating

**Seating Systems:** 

**Complete Vehicles** 

### NEW PERSPECTIVES AT THE GRAZ LOCATION: "FROM IDEAS TO REALITY"

Magna Steyr is part of Magna International and a global company with approx. 12,200 employees at 22 locations on four continents. From ideas to reality – with our all-round vehicle expertise, which is based on over 120 years of experience in vehicle engineering and manufacturing, we are shaping the future of mobility. This makes us a preferred partner for traditional OEMs and new entrants in the automotive industry around the world. Operating as a genuine one-stop shop, we translate our customers' visions of mobility into a tailored product on the road. 4 million vehicles produced make us the worldwide leading multi-OEM complete vehicle manufacturer.

Graz is the biggest location of Magna International worldwide and one of only two locations where complete vehicles are manufactured. At present we have around 8,000 employees in Graz. This makes Magna Steyr one of the biggest employers in the region. Together with the Engineering Center Austria, which is also at home on the premises, Magna Steyr takes on the role of a one-stop shop, offering its customers unique added value. Our comprehensive complete vehicle expertise combined with maximum levels of flexibility make Magna Steyr the world's leading brand-independent engineering and production partner for automakers. For example, we are the first contract manufacturer to produce the entire spectrum of powertrain technologies: from ICE to plug-in-hybrid to pure electric vehicles, sometimes even on one shared production line. This highlights our competence as an automotive supplier also in the fields of electrification and electro-mobility.

# 4 MILLION VEHICLES MADE IN GRAZ

A thoroughly impressive 4 million vehicles for 11 OEMs have so far come off the production line at Magna Steyr's Graz plant. Currently the Graz plant is manufacturing the legendary Mercedes-Benz G-Class, Jaguar models I-PACE and E-PACE, the BMW Z4, the Toyota GR Supra and the Fisker Ocean. Maximum quality and flexibility are at the very top of the priorities list in vehicle production. For example, we manufacture not only different models, but even different powertrain versions – from conventional drivetrains to hybrid drivetrains and pure electrical vehicles – on the same shared production line. Since the summer of 2020, we have been producing the ARCFOX  $\alpha$ -T in our joint venture plant in Zhenjiang, China. The  $\alpha$ S, the second ARCFOX model, was added in 2021.





### Sustainability as a guiding principle of our actions

In Magna's world, sustainability means much more than just protecting the environment – it also includes the multifaceted impact on our social interactions and our economic relations. We encourage our employees to be enterprising and visionary in their thinking to foster the continuous development of long-term environmentally friendly solutions.

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### AT MAGNA, WE TREAT SUSTAINABILITY AND CLIMATE PROTECTION AS ABSOLUTE PRIORITIES. THIS IS CLEARLY VISIBLE IN OUR 3 PILLARS (PRODUCT, PROCESS, PEOPLE).

The strategic orientation for sustainable action is described in Magna's Sustainability Report. It contains the following main action points:

- Design, engineering, manufacturing and delivery of innovative product solutions for Magna's customers in order to achieve shared goals such as reduced weight, reduced fuel consumption and reduced  $CO_2$  emissions.
- Optimization and innovation of manufacturing processes with respect to resource efficiency and product quality.
- Improvement of the energy efficiency of facilities to reduce Scope 1 greenhouse gas emissions.
- Development of our roadmap for the transition to 100% renewable energy to reduce Scope 2 emissions.
- Involvement of our supply chain with regard to Scope 3 emissions.
- Fair treatment of employees and respect for health, safety and general well-being.
- Being a good partner to the communities in which we live and work.

The following policies, guidelines and goals of Magna have provided the frame for sustainable action for many years: **PRODUCT** Delivering solutions for a better tomorrow PROCESS Minimizing our environmental impact



Benefiting our teams and communities

- Magna has summarized the company's main core values and business principles in the Corporate Constitution, Employee's Charter and Operational Principles. These are reflected in Magna's philosophy of a "Fair Enterprise" culture.
- The Code of Conduct and Ethics ensures that all Magna employees adhere to ethical principles in their actions.
- The Code of Conduct for Suppliers defines the principles Magna expects its suppliers to adhere to.
- The Health, Safety & Environmental Policy ensures safe working conditions and promotes the health of employees as well as a sparing use of resources.

### Strategic sustainability goals at Magna Steyr and their implementation at the Graz location

Derived from the overarching sustainability goals and Magna's strategic orientation, we have formulated strategic sustainability goals for the Magna Steyr Group, which are organized in three pillars, (PRODUCT, PROCESS, PEOPLE). Appropriate measures are developed for and applied at the respective locations. The following diagram illustrates the strategic sustainability goals for the year 2023 at Magna Steyr Group level.



### 12 RESPONSIBLE CONSIMUTION AND PRODUCTION

### Development of Products of the Future

- Introduction of **eco-design** into the product development process on global level. (SDG<sup>1</sup> 12)
- Introduction of life
   cycle assessment as a
   standardized method
   for evaluating carbon
   footprint (SDG 13)
- Prioritization of sustainable chemicals in new products (SDG 12)



- Achievement of carbon neutrality: Europe by 2025, worldwide by 2030 (SDG 13)
- Reduction of energy consumption by 5% per year (SDG 7, 9)
- Reduction of **landfill waste to max. 5%** (SDG 12)
- Reduction of water consumption by 1.5% per year (SDG 12)



### Development of awarenesschanging initiatives

- Awareness raising Global roll-out of sustainability training (SDG 4, 12)
- Reduction of AFR<sup>2</sup> by 0.1 per year – moving towards a zero-accident culture (SDG 3)
- Promotion of eco-friendly commuting (SDG 13)
- Addition of Scope 3 to the Scope 1+2 carbon accounting tool (SDG 13)

1. SDG = United Nations Sustainable Development Goal(s) 2. AFR = accident frequency rate In order to achieve the sustainability goals, we have established the Magna Steyr Sustainability Core Team, which consists of representatives from the Business Units and Functional Departments. Their mission is to implement sustainability on the operative side in their respective fields of activity and to promote its further development in their area of responsibility.

### Magna Steyr Sustainability-Core-Team





"These goals help us to promote a new mindset among our employees, which I regard as one of the key points. Everyone needs to know how they can contribute at home and at work to protect our planet. It is all about the life cycle and making sure that we leave a better world for future generations. Achieving our sustainability goals is the responsibility of us all."

Roman Pöltner, Sr. Director, Infrastructure Management and Group HSE, Magna Steyr Sustainability Group Lead

# GOALS FOR A SUSTAINABLE DEVELOPMENT

The SDGs (Sustainable Development Goals) are goals set by the United Nations to promote global sustainable development while respecting social, ecological and economic aspects.

Magna Steyr is conscious of its corporate responsibility and makes an essential contribution to individual SDGs through its actions. The SDGs given particular priority are highlighted below.

Examples of action taken by Magna Steyr:





### No poverty

- Donations and charity work
- Social projects
- Social fund of the works council for employees facing hardship
- Competitive wages & benefits (Magna Employee's Charter)
- Employment contracts without time limit



### Good health and well-being

- Health and sports activities (mylife program)
- Occupational Medicine Center
- Ergonomics program
- Burnout prevention
- Flexible working time models



### Quality education

- Training and professional development
- Apprenticeships
- Cooperation with educational institutions, internships
- Reconciliation of family and work life (Magna childcare facility)



### **Gender equality**

- Fair treatment (Magna Employee's Charter)
- Corporate Behavior Fibula
- Magna's Code of Conduct and Ethics
- Rules of behavior: "Working together"
- Choice of a gender-fair wording



### Clean water and sanitation

- Preparation and updating of a status quo report
- Groundwater monitoring
- Water management plan to show achievement of the water reduction goals
- Avoidance of harmful chemicals for cleaning



### Decent work and economic growth

- Assuming social responsibility
- Employment of persons with disability (overfulfillment of legal requirements)
- Provision of safe working conditions; promotion of employee health and well-being



### Affordable and clean energy

• 100% of purchased electricity from renewable energy sources, electricity and heat for own consumption generated from renewable energy sources

Energy efficiency measures



### Industry, innovation and infrastructure

- Innovation and idea management
- Development of future mobility solutions



### **Reduced inequalities**

- Competitive wages & benefits (Magna Employee's Charter)
- Employee recruitment and promotion based on equal opportunities (leadership development, succession planning)
- Focus on diversity & inclusion in the corporate culture and strategy



### **Responsible consumption and production**

- Environmentally responsible development of vehicles with alternative drive systems, use of lightweight technology and ecological choice of materials
- 100% of purchased electricity from renewable energy sources, electricity and heat for own consumption generated from renewable energy sources
- Waste prevention and reduction measures
- Avoidance of food waste in catering
- Reduction of the share of landfill waste (Project Zero Waste)
- Optimization of waste management through ongoing monitoring and benchmarking activities



### Sustainable cities and communities

- Assuming social responsibility
- Promotion of eco-friendly employee mobility
- Participation in the Ökoprofit program of the City of Graz



### **Climate action**

- Continuous improvement of environmental performance
- Carbon neutral production
- Environmentally responsible development of vehicles with alternative drive systems, use of lightweight technology and ecological choice of materials
- Magna sustainability strategy



#### Life below water

• Avoidance of harmful chemicals for cleaning



### Peace, justice and strong institutions

- Compliance management
- Magna's Code of Conduct and Ethics
- Proactive neighbor management



#### Life on land

• Promotion of biological diversity



### Partnerships to promote goal achievement

- Cooperation with educational institutions, internships
- External certifications
- Participation in EMAS, Ökoprofit program by the City of Graz, Klimaaktiv, Council for Sustainable Logistics

### WE CARE ABOUT THE FUTURE AND ENGAGE IN AWARD-WINNING WORK

### 25<sup>™</sup> ÖKOPROFIT<sup>®</sup> AWARD FOR THE GRAZ LOCATION

In 2022, Magna Steyr was once again an active participant in the ÖKOPROFIT program of the City of Graz and won the coveted award for successful environmental performance.

With its  $25^{th}$  participation in the environmental program ÖKOPROFIT ("Ecological Project for Integrated Environmental Technology"), Magna Steyr is consolidating its long-standing role model function as an environmentally conscious lead company. The award recognizes the successful on-site commissioning and implementation of numerous environmental objectives in 2021, such as the certification as a bicycle-friendly company, the reduction of suppliers' truck journeys by switching from road to rail transport (thereby reducing CO<sub>2</sub> emissions), as well as the reduction of natural gas consumption in the paint shop by replacing the thermal exhaust air purification of the top coat facility.



Whereas the award ceremony still had to take place online due to the corona pandemic in 2021, it was back as an in-person event in a festive setting in 2022. Many ÖKOPROFIT companies and representatives of the City of Graz attended the event at the Meerscheinschlössl in Graz; the award was presented by Deputy Mayor Judith Schwentner.



Highlights of the ÖKOPROFIT 2022 program, in which various representatives of Magna actively participated, included workshops and working groups on sustainable product development, sustainable mobility and biodiversity.





### MAGNA IN GRAZ CARBON NEUTRAL

Production at Magna's plant in Graz has been carbon neutral since January 2022 – a valuable contribution to climate protection.

As a mobility technology company, Magna takes responsibility when it comes to environmental protection. Its specially developed sustainability strategy defines two major objectives: Carbon neutral production at all European Magna locations by 2025, and at all locations worldwide by 2030. In Graz, this ambitious target was achieved early, namely in January 2022, thanks to a large number of activities and projects. A great success to the benefit of the environment, which was specifically recognized by Magna CEO Swamy Kotagiri. At a Magna Town Hall Meeting at the Graz location in spring 2022, the CEO congratulated the justly proud team and presented Group Sustainability Lead Roman Pöltner with the Magna "Carbon Neutral" flag.



### INNOVATIVE IDEAS FOR TOMORROW

At the Magna Employee Innovation Challenge 2022, Uday Raj-Prabhakaran won the "Vehicle of the Future" competition.

We need fresh ideas to make tomorrow's mobility as efficient as possible. As the Magna Employee Innovation Challenge 2022 demonstrated, we have plenty of them in our company. No less than 530 ideas were submitted, all of which emphasize Magna's core value "Think big." In the end, the jury declared Uday Raj-Prabhakaran from the Magna Engineering Center Austria the winner with his concept for increasing the range of electric vehicles by maximizing the capacity of the recuperation brake in conjunction with intelligent information from ADAS sensors. With this proposal, the complete vehicle specialist addresses an absolutely crucial issue head on, and moreover his idea is fully in line with the sustainability concept embraced by Magna.

Jaguar Land Rover introduced the annual JLR Supplier Excellence Awards six years ago. In 2022, Magna Steyr won gold.

REASON TO CELEBRATE: GOLD AT JLR SUPPLIER EXCELLENCE AWARDS a Gold Award in 2022. Reacting flexibly to changing is this fexibility which enables Magna to produce customer vehicles to the very highest quality standard even in challenging times, such as the COVID 19 pandemic or when semiconductors are in short supply. The award highlights this competence of Magna, which is very much valued by its customers.



Implemented environmental program 2022: Reduction of energy consumption by 4,958 MWh

# FOCUS ON THE ENVIRONMENT

Every one of us causes an impact on the environment – known as environmental aspects – with our day-to-day activities.

Through various measures and investments, Magna effectively reduced heat and electricity consumption by approx. 4,958 MWh at the location in 2022, corresponding to the annual heat and electricity consumption of approx. 330 detached houses. In addition, Magna saved 484 tons of CO<sub>2</sub> and 2,500 m<sup>3</sup> of water. Additionally, numerous unquantifiable measures have been implemented (see environmental achievements). The **direct environmental aspects** of Magna Steyr Graz, which are reported in detail below, are attributable to:

- resource consumption (raw materials, energy, land),
- the release of solid, liquid and gaseous waste materials (material and energy emissions)

Quantity, environmental risk, legal requirements and stakeholder demands were the criteria we applied to assess the direct environmental aspects.

The **indirect environmental aspects** represent an environmental impact that can be influenced to a certain extent by Magna Steyr Graz. These result from the interaction with third parties (for example employees, suppliers, customers).

### THE ENVIRONMENTAL ASPECTS OF MAGNA STEYR GRAZ



| Direct environmental<br>aspect   | Short description   |
|----------------------------------|---|
| Material consumption             | Direct and indirect production materials  |
| Water consumption                | Public water supply and untreated water   |
| Energy consumption               | Electricity, heat, natural gas  |
| Land consumption                 | Sealed and nature-oriented areas  |
| Air emissions                    | Odor, volatile organic compounds from solvents, organic carbon emissions, carbon dioxide, carbon monoxide, nitrogen oxides, dust, greenhouse gases  |
| Noise                            | Internal traffic, facilities, employees and visitors  |
| Wastewater                       | Fecal wastewater, industrial wastewater, wastewater from oil separators, waste-<br>water from grease separators, untreated surface water, surface water from the<br>rainwater treatment plant |
| Waste generation                 | Hazardous and nonhazardous waste  |
| Contamination of the soil        | Contamination of unsealed areas in abnormal operating conditions  |
| Indirect environmental<br>aspect | Short description   |
| Product development              | Environmentally compatible product development for vehicles and components  |
| Innovation development           | Environmentally relevant innovations for mobility solutions   |
| Product process<br>development   | Environmental performance improvements in production processes and plants   |
| Procurement                      | Environmental requirements for suppliers and service providers  |
| Packaging planning               | Environmentally relevant requirements with regard to packaging  |
| Transport                        | Environmentally relevant requirements with regard to transport and transport planning   |
| Employee mobility                | Environmental impact caused by employees commuting to work as part of business assignments (business trips)   |

However, the mentioned environmental aspects do not only concern the main location in Thondorf. In the course of the assessment of environmental aspects, all secondary locations of Magna Steyr are also taken into account and looked at in detail. Most of the secondary locations are logistics warehouses, extended workbenches and small production facilities. The size of the main location is clearly revealed by comparing its surface area and its number of employees (permanent and temporary staff) with that of the secondary locations. The following table provides an overview of all considered locations:

| Main location                         | Purpose of the<br>location                  | Surface<br>area (m²) | Employees |
|---------------------------------------|---|----------------------|-----------|
| Liebenauer Hauptstraße 317, 8041 Graz | Engineering,<br>manufacturing,<br>warehouse | 932,629              | 9,060     |
| Secondary locations                   | Purpose of the<br>location                  | Surface<br>area (m²) | Employees |
| Puchstraße 85, 8020 Graz              | Engineering                                 | 3,971                | 80        |
| Schmiedlstraße 8 und 16, 8042 Graz    | Manufacturing                               | 9,862                | 70        |
| Köglerweg 50, 8042 Graz               | Manufacturing                               | 8,758                | 30        |
| Frikusweg 3, 8076 Premstätten         | Manufacturing                               | 26,808               | 70        |
| Am Terminal 1, 8402 Werndorf          | Warehouse                                   | 24,962               | 70        |
| Paula-Neuroth-Straße 1, 8403 Lebring  | Manufacturing                               | 8,112                | 20        |

### **INPUT/OUTPUT BALANCE**

In 2022, the Graz plant manufactured a total of 112,217 vehicles<sup>1</sup> (reference value for core indicator calculation) and employed approx. 9,400 people (permanent and temporary staff).

### **Remarks on scope**

Vehicle manufacturing and engineering subprocesses that do not take place at the Graz location are not considered in this input/output balance or in the detailed presentation of the environmental aspects. The main location Graz Thondorf and the secondary locations in Graz, Premstätten, Werndorf and Lebring are all included. Specific areas of application, if any, of an environmental aspect are given in the detailed information on this environmental aspect.

### Other relevant indicators for environmental performance

The industry-specific reference documents according to Article 46 of the EMAS Regulation are indicated in the detailed explanations of the environmental aspects. Of relevance to the activities of Magna Steyr Fahrzeugtechnik GmbH & Co KG are the Best Environmental Management Practices (BEMP). Relevant for the paint shop, referred to as IPPC plant<sup>2</sup>, are the reference documents on the best available technologies (BAT) for the surface treatment of metals and plastics and surface treatment with organic solvents with the appropriate emissions limits and environmental performance values.

| Input  | Unit | 2022    |
|--|------|---------|
| Absolute indicators                                |      |         |
| Material consumption                               | t    | 221,433 |
| Direct production materials                        | t    | 218,875 |
| Indirect production materials                      | t    | 2,557   |
| Water consumption <sup>3</sup>                     | m³   | 316,266 |
| Well water   | m³   | 311,579 |
| Public water supply                                | m³   | 4,687   |
| Energy consumption                                 | MWh  | 215,584 |
| Electricity <sup>3</sup>                           | MWh  | 90,860  |
| thereof from renewable energy                      | MWh  | 90,860  |
| thereof externally sourced                         | MWh  | 90,798  |
| thereof from own production                        | MWh  | 62      |
| Heat <sup>3</sup>                                  | MWh  | 69,102  |
| thereof from renewable energy                      | MWh  | 13      |
| Natural gas ⁴                                      | MWh  | 55,623  |
| Land consumption <sup>5</sup>                      | m²   | 932,629 |
| Sealed areas                                       | m²   | 838,766 |
| Nature-oriented areas at the location <sup>6</sup> | m²   | 93,863  |

| Output  | Unit                 | 2022     |
|---|----------------------|----------|
| Absolute indicators   |                      |          |
| Complete vehicles incl. painted bodies <sup>1</sup>                               | pieces               | 112,217  |
| Aerospace components  | t                    | 3.0      |
| Air emissions <sup>7</sup>  |                      |          |
| Greenhouse gases <sup>8</sup>   | t CO <sub>2</sub> eq | 25,721.2 |
| Carbon dioxide <sup>9</sup>   | t                    | 25,394.8 |
| Hydrofluorocarbons (HFC)  | t CO <sub>2</sub> eq | 326.5    |
| Organic carbon emissions <sup>10</sup>  | t                    | 141.1    |
| Carbon monoxide <sup>11</sup>   | t                    | 6.2      |
| Nitrogen oxides <sup>11</sup>   | t                    | 23.3     |
| Dust  | t                    | 5.5      |
| Wastewater  | m³                   | 316,266  |
| Discharge into sewage system  | m³                   | 269,061  |
| Pipe bursts, losses, evaporation,<br>vehicle filling and test track<br>irrigation | M <sup>3</sup>       | 47,206   |
| Waste <sup>12</sup>   | t                    | 8,441    |
| Hazardous waste   | t                    | 2,089    |
| Non-hazardous waste   | t                    | 6,352    |

- 1. Incl. SKD (semi knocked-down) and CKD (completely knocked-down) production plus engineering prototypes. Of the manufactured vehicles, 4,513 bodies were painted in the Maribor-Hoče plant in 2022.
- 2. IPPC (Integrated Pollution Prevention and Control) facility according to the EU Industrial Emissions Directive.
- 3. Incl. consumption of service providers and tenants working on site.
- 4. Excl. consumption of the external heat supplier.
- 5. Incl. leased areas.
- 6. Includes all green spaces, green roofs and water areas There are no nature-oriented areas off-site.
- 7. Air emissions of methane, nitrogen trifluoride and nitrous oxide are not relevant. Sulfur hexafluoride emissions are only found in closed systems (switchgears) and are therefore also not relevant. Perfluorocarbons are not used. Sulfur dioxide is not relevant because only sulfur-free energy sources are used.
- 8. For details, reference is made to the greenhouse gas balance.
- 9. Carbon dioxide emissions primarily from natural gas combustion and solvent incineration and emissions by the external heat supplier.
- 10. The organic carbon emissions result from the use of solvents.
- 11.Incl. emissions by the external heat supplier.
- 12. Excl. emissions from construction activities and operations of service providers and tenants at the location.

### **GREENHOUSE GAS BALANCE**

Magna Steyr Graz is pursuing the goal of reducing CO<sub>2</sub> emissions continuously and has achieved carbon neutrality in 2022. Achieving this goal requires a knowledge of the direct and indirect greenhouse gas emissions. Emission data acquisition, calculation and reporting are based on the specifications of the Greenhouse Gas Protocol "Corporate Accounting and Reporting Standard", applying the conversion factors of the Federal Environment Agency. The emission inventories and calculations started in 2019 and include the emissions from the main location in Thondorf and the secondary locations in Graz, Werndorf, Premstätten and Lebring.

The emissions are subdivided into direct emissions (Scope 1) from our own company and indirect emissions (Scope 2) exclusively from the purchase of heat.

The main share (99%) of the six Kyoto gases is attributable to the emission of  $CO_2$  from the combustion of natural gas for the generation of process and space heat and the operation of the thermal waste gas purification system, from the operation of fleet vehicles and movements of production vehicles.

Leaks in the air-conditioning system also account for some greenhouse gases, although only in very small quantities (1%). No emissions were attributable to the insulating gas sulfur hexafluoride, which is used in high-voltage installations.

Other indirect CO<sub>2</sub> emissions that are produced outside the company grounds are included in Scope 3. Work on the overall data collection and calculation methodology in accordance with the Greenhouse Gas Protocol "Corporate Value Chain Accounting and Reporting Standard" is underway.

The following chart illustrates the sources of emission per scope:



The greenhouse gas balance for 2022 according to the **market-based method** results in total emissions of 25,721 t  $CO_2$ eq. Scope 2 only includes emissions from the purchase of heat, since electricity comes from carbon neutral sources as evidenced by certificates of origin.

The chart below illustrates the split into Scope 1 and 2 and the development since the base year 2019. The development of emissions is influenced by the number of vehicles manufactured and therefore also by the degree of capacity utilization. In 2019, the emissions amounted to 178 kg of CO<sub>2</sub>eq/vehicle at relatively good capacity utilization, compared to emissions of approximately 230 kg CO<sub>2</sub>eq/vehicle at poorer capacity utilization in the period 2020 to 2022.

### Greenhouse gas balance Scope 1 and Scope 2 market based







### Certificate of Sustainability

This certificate confirms that ACT has canceled carbon credits on behalf of

### Magna in Graz

By purchasing these credits, your organization is supporting the climate project entitled: 252 MW Wind Energy Project by Green Infra Wind Energy Limited

CO2 compensation of scope 1 and 2 emissions for 2022 for the plant locations of Magna in Graz.



This ACT Certificate of Sustainability was issued on 13 June 2023 by your *climate action partner*, ACT Commodities. 
 Standard:
 Gold Standard

 Registry:
 Gold Standard

 Project ID:
 7152

 Project location:
 India

 Emissions addressed:
 25.722 tCO2e

 Technology:
 Wind

 Cancelation date:
 Last redemption completed 13.06.2023

### Greenhouse gas balance Scope 1 and Scope 2 location based



As mentioned earlier, the development of emissions is influenced by the number of vehicles manufactured and therefore also by the degree of capacity utilization. The closer we come to maximum production capacity, the better the energy-efficiency of the paint shop. The production volumes depend on our customers' requirements and change every year.

In addition to the degree of capacity utilization, however, the annual energy-saving measures also have a bearing on the development of emissions. The savings in tons of  $CO_2$ eq from implemented environmental objectives since 2020 are shown in the following diagram.

### Savings in tons of CO<sub>2</sub>eq from implemented environmental objectives

Proof of the effectiveness of energy-saving measures is provided by the relative value of CO<sub>2</sub>eq per vehicle. As the diagram to the right shows, the calculated emissions in metric tons of CO<sub>2</sub>eq per vehicle were lower in 2022 than in 2020 although the number of units produced was approximately the same in these years.



### Greenhouse gas balance Scope 1 and Scope 2 location- based relative values in tons of CO<sub>2</sub>eq per vehicle produced



t CO<sub>2</sub>-eq/vehicle location based — Vehicles

# THE ENVIRON-MENTAL ASPECTS IN DETAIL



Material consumption includes the consumption of raw, auxiliary and operating materials, as well as semi-finished products in industrial production. Magna Steyr Graz subdivides these input materials into direct and indirect production materials.

The direct production materials include all materials that are built directly into the vehicle. For example, raw materials (metal panels, leather, etc.), auxiliary materials (welding wire, adhesive, rivets, paint, etc.) and semi-finished goods (engines, axles, gearboxes, wheels, windows, trim panels, etc.). Indirect production materials are materials that are not directly built into the vehicle. These include working utensils (gloves, cleaning cloths, etc.) and auxiliary materials (oils, greases, cleaning agents, various chemicals, etc.). The list of production materials, shown by item and quantity, can be accessed in the SAP system.

It should be noted that the material efficiency is influenced by the brand composition in the product portfolio of Magna Steyr Fahrzeugtechnik. For example, unit numbers, vehicle weight, material requirements, etc. of the respective production lines have a different impact on the core indicator.

| Material consumption             | Unit           | 2022  | 2021  | 2020  | 2019  | 2018  |
|----------------------------------|----------------|-------|-------|-------|-------|-------|
| Core indicator                   |                |       |       |       |       |       |
| Material efficiency <sup>1</sup> | kg per vehicle | 1,973 | 1,929 | 1,918 | 1,939 | 1,922 |

1) Input value: Consumption of direct and indirect production materials



Water demand at the Graz location is covered primarily by extraction from our own wells. Additional water to cover the drinking water demand is obtained from the municipal utilities. For the water supply of the social areas, this water is blended with well water. Regular external tests and continuous internal measurements are carried out to ensure that the drinking water satisfies all quality requirements. Water consumption at Graz Thondorf and external locations is measured with meters.

| Water consumption  | Unit           | 2022 | 2021 | 2020 | 2019 | 2018 |
|--------------------|----------------|------|------|------|------|------|
| Core indicator     |                |      |      |      |      |      |
| Water <sup>1</sup> | m³ per vehicle | 2.82 | 2.79 | 3.10 | 3.06 | 2.82 |
|                    |                |      |      |      |      |      |

Production volume

1) Input value: Water consumption



Water Consumption m<sup>3</sup>

Significant factors influencing water consumption are: use of process water (production-dependent) and use of sanitary water (employeedependent). The relationship between water consumption and production volume is therefore not necessarily linear.

| Strategic goal  | Target date | Status 2022 | SDG | Measures (among others)  |
|---|-------------|-------------|-----|--|
| Annual reduction of water<br>consumption by 15% (reference<br>year 2019, reference value: total<br>consumption) | 2030        | 1.9%        | 12  | Various water reduction<br>measures (see Environ-<br>mental achievements 2022) |

# **ENERGY CONSUMPTION**

Energy consumption means the energy required to cover the current energy demand for our daily operations.

At Magna Steyr Graz, we use electricity, heat and natural gas as energy sources. Electricity is supplied by an external supplier. The heat for the Graz Thondorf location is also supplied by an external supplier and provided via the boiler house on location. A precise production-related meter structure ensures that the energy consumption for each organizational unit is shown transparently. The energy meters and energy consumption levels for each organizational unit are recorded in the Energy Management System and can be accessed at any time. Electricity consumption at the external locations is calculated on the basis of meter data and bills from the energy suppliers. The heating energy used for heating at the external locations is calculated on the basis of meter data and bills from the property management companies. Since Hall 71, an external location, is heated with natural gas, it is included under total natural gas consumption.

Reference to the applicable Best Environmental Management Practices (BEMP) in the industry-specific reference documents:

The best practices for energy management have been considered and evaluated internally. Under the energy monitoring and management system, the efficiency of energy-consuming processes is continually optimized and options for using renewable and alternative energies are regularly evaluated. We are currently harvesting renewable energy at the location from solar thermal, heat pump and PV installations. 100% of the external electricity supply comes from renewable energy sources.

| Energy consumption                                | Unit            | t 2022 |      | 2020 | 2019 | 2018 |
|---|-----------------|--------|------|------|------|------|
| Core indicators                                   |                 |        |      |      |      |      |
| Energy efficiency <sup>1</sup>                    | MWh per vehicle | 1.92   | 1.84 | 1.88 | 1.51 | 1.65 |
| Energy efficiency renewable energies <sup>2</sup> | MWh per vehicle | 0.81   | 0.73 | 0.78 | 0.64 | 0.69 |

1) Input value: Electricity, heat, natural gas consumption

2) Input value: Electricity consumption (100% green electricity)

and heat consumption from renewable energy sources

### Consumption reference value from BAT document (2020) and value 2022 (paint shop)

| Type of consumption           | Unit            | Reference value (BAT) | Value |
|-------------------------------|-----------------|-----------------------|-------|
| Energy consumption paint shop | MWh per vehicle | 0.5-1.3               | 1.09  |



Electricity consumption is determined by the production volume, the degree of automation and by the number of employees.

Heat consumption is influenced by the size of the areas to be heated. The meteorological conditions during the cold months also influence heat consumption.

The natural gas consumption is influenced by the production process and by the meteorological conditions.

The following chart illustrates the energy consumption in MWh and its development over recent years.

|                         | 2013    | 2014    | 2015    | 2016   | 2017   | 2018    | 2019    | 2020    | 2021    | 2022    |
|-------------------------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|
| Electricity consumption | 94,205  | 88,669  | 83,311  | 82,098 | 93,733 | 109,840 | 107,114 | 89,545  | 94,915  | 90,632  |
| Heat consumption        | 88,830  | 69,979  | 66,672  | 66,754 | 76,652 | 74,459  | 70,137  | 72,422  | 81,809  | 69,115  |
| Natural gas consumption | 81,193  | 73,531  | 63,158  | 63,788 | 71,340 | 81,418  | 78,128  | 56,349  | 63,462  | 55,623  |
| Production volume       | 146,566 | 136,460 | 105,033 | 75,529 | 86,145 | 160,886 | 168,822 | 116,061 | 130,502 | 112,217 |



![](_page_27_Picture_0.jpeg)

![](_page_27_Picture_1.jpeg)

### **Energy Walks**

"Energy Walks" are regular inspections of halls and office areas to identify unnecessary and excessive energy consumption. For example, facilities are checked for electricity, compressed air or heat losses and where they occur.

At least two such inspections are carried out in the production areas every year: one during nonproduction time and the other during production time. Leak detection, for example in compressed air lines, is easier during non-production time.

Participants include the "Energy Champion" of the respective area, the energy manager of the location, the area managers, the maintenance managers and planning colleagues. A final report documents all identified improvement potentials

![](_page_27_Picture_6.jpeg)

It shows the findings, the locations of possible improvements, the relevant energy source and the affected process or infrastructure. The following figure shows as an example of how such a report is structured.

| Finding<br>Nr. | Description   | Equipment      | Location |         |        | Energy source |      |                   | ation Energy sou                  |         |       | Respons | ible |
|----------------|---|----------------|----------|---------|--------|---------------|------|-------------------|-----------------------------------|---------|-------|---------|------|
|                |   |                | Zone     | Station | Pillar | Electricity   | Heat | Compressed<br>air | Other                             | Process | Infra |         |      |
| 1              | Station PC<br>monitors on                                       | Monitor        | 01       | 02      | _      | x             |      |                   | 2 PCs                             | x       |       |         |      |
| 2              | Compressed<br>air coupling /<br>maintenance area<br>leaking     | CA<br>coupling | 01       | _       | _      |               |      | x                 |                                   | x       |       |         |      |
| 3              | Compressed<br>air coupling in<br>compressed air<br>rail leaking | CA<br>coupling | 02       | 09      | B25    |               |      | x                 |                                   | x       |       |         |      |
| 4              | Monitors at CSCL<br>switched on                                 | Monitor        | 02       | 13      | B23    | x             |      |                   | Small<br>and large<br>monitor     | x       |       |         |      |
| 5              | Fire dampers H04<br>open  |                | 06       | 01      | H08    |               |      | x                 | Cylinders<br>are getting<br>fixed |         | x     |         |      |
| 6              | Gaps in heating<br>pipe encasement                              | Heating        | _        | _       | _      |               | x    |                   | 3 x gap in<br>encasement          |         | x     |         |      |
| 7              | Air curtain left<br>(Equip. no.<br>904820) in East<br>dock on   | Air Curtain    |          |         |        | x             |      |                   |                                   |         | x     |         |      |

For better orientation, the findings are additionally presented by numbers in a hall overview. The following figure shows how the findings list is translated into a hall overview.

### Findings shown in a hall overview

### 15 LIFE ON LAND

### LAND CONSUMPTION

A significant challenge in land management is to integrate vehicle programs and engineering projects by optimizing the use of existing land and buildings at the location. If insufficient land is available, additional land and buildings are leased nearby and added to the reported land consumption. The areas are broken down into sealed and nature-oriented areas. Area data is recorded in the Facility Management System by category and location and updated monthly.

| Land consumption  | Unit           | 2022 | 2021 | 2020 | 2019 | 2018 |
|---|----------------|------|------|------|------|------|
| Core indicator  |                |      |      |      |      |      |
| Land consumption in relation to biological diversity <sup>1</sup> | m² per vehicle | 8.31 | 7.15 | 7.14 | 4.91 | 5.14 |

1) Input value: Sealed areas

### Distribution of land use 2022

The nature-oriented areas account for approximately one tenth of the total surface area of the location.

![](_page_29_Picture_2.jpeg)

Noise means sound (acoustic) emissions which, due to their volume and composition, may be perceived as disturbing or stressful by human beings and the environment. Emitters of noise such as internal transport and operating facilities are considered in the planning process and official permit applications.

The relevant areas and their corresponding sources of emissions are approved as part of the operating permit for the facility. The key factors for the local noise situation in Graz Thondorf are the A2 highway, the highway feeder and Liebenauer Hauptstraße.

### NOISE

The various noise emission and immission points are recorded in the Facility Management System. Only minor noise-relevant processes take place at the external locations.

Emission measuring points were defined in Graz Thondorf to check compliance with the emission values. The approved values for the specific noise emissions vary depending on the time of day and night.

![](_page_30_Picture_0.jpeg)

Air emissions are air pollutants that can cause an environmental impact. They can be of natural and/ or human (anthropogenic) origin.

The source of most air emissions at the Graz Thondorf location is the paint shop. The solvent emissions are attributable to the use of solventbased materials in the paint shop. The carbon dioxide and nitrogen oxide emissions are produced by firing natural gas to heat the air supply to the paint booths, to operate the drying ovens and to supply heat for the location. Activities at the external locations primarily consist of storage activities and small-scale production, only the Köglerweg and Premstätten locations produce relevant air emissions. The various air emission points are recorded in the Facility Management System.

Greenhouse gas emissions from all Magna locations around the world are collected by Magna Int. with the HSELinx system and reported to the Carbon Disclosure Project (CDP).

| Air emissions                  | Unit           | 2022 | 2021 | 2020 | 2019 | 2018 |
|--------------------------------|----------------|------|------|------|------|------|
| Core indicators                |                |      |      |      |      |      |
| Solvent emissions <sup>1</sup> | kg per vehicle | 1.84 | 1.56 | 1.00 | 1.12 | 1.15 |
| Carbon dioxide <sup>2</sup>    | kg per vehicle | 226  | 223  | 227  | 180  | 196  |
| Nitrogen oxides <sup>3</sup>   | kg per vehicle | 0.21 | 0.22 | 0.17 | 0.21 | 0.18 |
| Dust <sup>4</sup>              | kg per vehicle | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 |

1) Input value: Solvent emissions from measurement and projection

2) Input value: Carbon dioxide emissions (incl. heat supply)

3) Input value: Nitrogen oxide emissions (incl. heat supply)

4) Input value: Dust emissions

### Statutory emission limits, emission reference values according to BAT document and 2022 values (paint shop)

| Type of emission                    | Unit   | Limit value<br>(statutory) | Reference value (BAT) | Measured<br>value |
|-------------------------------------|--------|----------------------------|-----------------------|-------------------|
| Solvent                             | g/m²   | 35                         | 8-30                  | 17.5 <sup>3</sup> |
| Total carbon after TAS <sup>1</sup> | mg/Nm³ | 30                         | not specified         | 0.3-1             |
| Total carbon <sup>2</sup>           | mg/Nm³ | 75                         | not specified         | 0.3-60.6          |
| Carbon monoxide after TAS           | mg/Nm³ | 100                        | 20-150                | 1.1-86.2          |
| Nitrogen oxides after TAS           | mg/Nm³ | 100                        | 20-130                | 62.0-96.9         |
| Dust                                | mg/Nm³ | 3                          | 1-3                   | 0.2-1.2           |

1) TAS = thermal afterburning system

2) Measured in the exhaust air of the painting booths. The measurement results are based on approx. 90 individual measurements on various emission sources.

3) Calculated value

All air emission values are within the statutory limit and emission values.

| Strategic goal                     | Target date | Status 2022 | SDG | Measures (among others)  |
|------------------------------------|-------------|-------------|-----|--|
| CO <sub>2</sub> neutral production | 2022        | achieved    | 13  | Unavoidable Scope 1 and Scope 2<br>emissions were compensated by means<br>of a Gold Standard-certified wind energy<br>project. |

### WASTEWATER

The various wastewater collection points are subdivided into industrial, fecal, and surface water. All wastewater at the Graz Thondorf location is discharged exclusively through the mixed sewer system into the Graz-Gössendorf wastewater treatment plant (indirect discharger), and the corresponding wastewater quantities are calculated for all relevant records. The quantities at external locations are recorded on the basis of the invoices of the relevant property management company and only include fecal wastewater since surface water is the responsibility of the owner. The predominant contaminants in the industrial wastewater, coming mainly from the body pretreatment area, are heavy metals (zinc, nickel, manganese) and organic pollutants (oils, greases, etc.). These are treated in the company's own inhouse wastewater treatment plant before being discharged into the mixed sewer system. Compliance with the limit values is repeatedly monitored by independent, external experts. The sewer infrastructure and the transfer point of the Graz Thondorf location is recorded in the Facility Management System.

### Statutory emission limit values, emission reference values according to BAT documents and 2022 values (paint shop)

| Substances in wastewater and wastewater quantities <sup>1</sup> | Unit           | Limit value<br>(statutory) | Reference value<br>(BAT) | Measured<br>value <sup>2</sup> |
|---|----------------|----------------------------|--------------------------|--------------------------------|
| Adsorbable organically bound halogens<br>(AOX)                  | mg/l           | 1                          | 0.1-0.4                  | 0.11                           |
| Nickel  | mg/l           | 0.4                        | 0.05-0.4                 | 0.03                           |
| Zinc  | mg/l           | 1.1                        | 0.05-0.6                 | 0.03                           |
| Manganese   | mg/l           | 0.9                        | not specified            | 0.04                           |
| Fluoride  | mg/l           | 20                         | 2-25                     | 8.2                            |
| Sulfate   | mg/l           | 400                        | not specified            | 18.5                           |
| Sulfite   | mg/l           | 10                         | not specified            | 0.23                           |
| Hydrocarbons <sup>3</sup>                                       | mg/l           | 15                         | not specified            | 0.06                           |
| Ammonium nitrogen   | mg/l           | 200                        | not specified            | 10.4                           |
| Chemical oxygen demand  | mg/l           | 15,000                     | not specified            | 32                             |
| Daily industrial wastewater quantity                            | m <sup>3</sup> | 967                        | not specified            | 190                            |
| Annual industrial wastewater quantity                           | m <sup>3</sup> | 235,000                    | not specified            | 63,025                         |

1) Chrome is currently not relevant since it is not used

2) Mean values from third-party monitoring 2022

3) Measured as hydrocarbon index

All wastewater emission values are within the statutory limit and reference values.

### 12 RESPONSIBLE CONSIMPTION AND PRODUCTION GENERATION

As various different waste fractions are produced, waste management is a matter of particular importance. There are not only economic and social considerations (e.g. scarcity of resources, dependence on imports, value creation) why the need to efficiently handle residues and implement environmental protection measures at company level is recognized as a central issue for Magna Steyr Graz.

Regular employee training and awareness-raising activities to promote waste prevention and separation play a key role here. Waste collection containers are placed at strategic points to facilitate proper sorting of various recyclable materials. The requirements for proper collection and disposal are fulfilled in cooperation with authorized waste collection and disposal companies. The waste is weighed, and the volume is recorded in the system. Assessments are performed on a monthly basis. Reference to the applicable Best Environmental Management Practices (BEMP) in the industryspecific reference documents:

The best practices for waste management have been considered and evaluated internally. The recommended indicators are reviewed and evaluated regularly. The implementation of a comprehensive waste strategy with monitoring and development of improvement targets form an integral part of our regular communication with the disposal company and serve to update waste management concepts as well as the environmental program.

| Waste generation                              | Unit           | 2022               | 2021  | 2020  | 2019  | 2018 |
|---|----------------|--------------------|-------|-------|-------|------|
| Core indicators                               |                |                    |       |       |       |      |
| Hazardous waste for disposal <sup>1</sup>     | kg per vehicle | 4.40               | 4.20  | 4.70  | 4.14  | 7.69 |
| Hazardous waste for recovery <sup>2</sup>     | kg per vehicle | 14.22 5            | 12.58 | 11.13 | 9.19  | 6.13 |
| Non-hazardous waste for disposal <sup>3</sup> | kg per vehicle | 0.03               | 0.03  | 0.005 | 0.01  | 0.01 |
| Non-hazardous waste for recovery <sup>4</sup> | kg per vehicle | 56.58 <sup>6</sup> | 50.89 | 54.55 | 52.15 | 61.8 |

1) Input value: Volume of hazardous waste for disposal excl. construction and dismantling activities

2) Input value: Volume of hazardous waste for recovery excl. construction and dismantling activities

3) Input value: Volume of non-hazardous waste for disposal excl. construction and dismantling activities

4) Input value: Volume of non-hazardous waste for recovery excl. construction and dismantling activities

5) The increase of the value over the previous year results, for example, from high waste volume from

disposal of complete vehicles in Engineering, which are classed as hazardous waste for recycling/recovery. 6) The increase of the value over the previous year results, for example, from high waste volume from scrapping

of bodies in Engineering, which are classed as non-hazardous waste for recycling/recovery.

#### Waste quantities – total

The waste quantities decreased in 2022 due to the lower production volume. This statistic does not include waste from construction and dismantling activities.

![](_page_33_Figure_2.jpeg)

#### Share of recovery and disposal operations 2022

![](_page_33_Figure_4.jpeg)

7) The non-achievement of the goal is attributable to landfill waste for which no technically and economically feasible recovery process is currently available, and which is produced for the most part without depending on the production volume.

# EMPLOYEE MOBILITY

**13** CLIMATE ACTION

Making the mobility of the future more sustainable is not just a key mission in our development and production areas, but also in the field of employee mobility. This is why Magna Steyr helps its employees to find suitable carpools.

Carpooling not only saves costs, it also sustainably reduces the environmental impact. Because of this, we are providing a specially configured, easy-to-install app for the smartphone. With it, Magna employees can search for rides or offer rides themselves. The app does not only make commuting to work more sustainable, it can also be used in private everyday life. After several months of thorough testing, the application was launched at Graz and its external locations plus Hoče in Slovenia in fall 2022. Already more than 300 users are reducing their carbon footprint and contributing to a more sustainable future for us all. <text>

![](_page_34_Picture_5.jpeg)

### Climate ticket discount for Magna Steyr employees

Since November 2022, employees have been able to buy the Styrian climate ticket at a reduced price directly at the plant.

Offering the climate ticket at a discount on site is a further step to promoting climate-friendly mobility.

### MAGNA AS PART OF SOCIETY VAE INVEST IN PEOPLE

### Magna as part of society

Sustainability is about more than just the company and its processes and products. It also means giving something back to the communities in which we develop our activities.

Deeply rooted in our unique "Fair Enterprise Culture" is the commitment to responsible social action that recognizes the commitment and hard work of our employees – they are the key to our business success all over the world.

### 50<sup>TH</sup> ANNIVERSARY OF LICHT INS DUNKEL

Magna has been a partner of Licht ins Dunkel for many years. In 2022, the company again made a contribution to support impaired persons and disadvantaged families.

On the occasion of the 50<sup>th</sup> anniversary of the Lichtins-Dunkel gala, Magna contributed twofold. Together with Magna Automotive Services, Magna International Europe and Magna Powertrain, the company donated 20,000 euros to the charity's emergency aid fund. It financed one wheelchair for each of three families, making their everyday lives much easier. And at the gala itself, an alliance of several Magna groups, including the Magna plant in Graz, contributed 75,000 euros to the good cause. Altogether, the donations collected for Licht ins Dunkel added up to an unbelievable 3.64 million, providing a degree of relief for people in Austria who don't have it easy in life.

![](_page_35_Picture_7.jpeg)

![](_page_36_Picture_0.jpeg)

### THOUSANDS OF VALUABLE YEARS OF SERVICE

A grand total of 3,805 years of service were honored at the 2022 anniversaries ceremony. Each year in itself is packed with invaluable experience and outstanding commitment from our employees.

In October 2022 – after the long corona-related interruption – we were at last able to convey our congratulations to our long-serving employees personally again at a ceremony. And with numerous 25, 35 and even 45-year service anniversaries, there was a lot to celebrate – because these employees have been contributing significantly to the success of the location over the years. As a small thank-you for their much- appreciated work, they were all in the spotlight for one evening. At first we time-travelled back to the year when our "birthday boys and girls" first joined the company (1977, 1987 and 1997). Excellent food, good music and animated conversations rounded off the celebration. So, here's to many more decades full of "Magna Power"!

![](_page_36_Picture_4.jpeg)

![](_page_36_Picture_5.jpeg)

### MOVING TOGETHER FOR A GOOD CAUSE

As part of the "Get Moving" initiative, Magna employees at the Graz location covered a magnificent 37,487.40 kilometers altogether. This magnificent effort generated a donation of 10,000 euros to Austrian Cancer Aid Styria.

![](_page_36_Picture_8.jpeg)

Magna is keen to encourage its employees to adopt a healthy lifestyle. This includes exercise as a preventive measure against cancer and other diseases. The "Get Moving" initiative was extremely popular among the employees. Under the motto "Move for a good cause," the goal – to cover 4,000 km in the period from September 26 until October 10, 2022 – was overfulfilled many times! Participating actively, either individually or in teams, 440 employees clocked up a total of 37,487.40 kilometers. Such a wonderful accomplishment calls for more than praise, so the management team put in another 5,000 euros to double the donation to 10,000, allowing Austrian Cancer Aid to continue to work on its important goals. On top of this, the Magna employees reaped the benefits of exercise in the form of better fitness and health benefits.

### FULL APPRENTICE POWER

### In 2022, Magna's dedicated apprentices were once again impressive across the board.

Passing the final apprenticeship exam with excellent results is the dream of many apprentices. In 2022, 13 Magna Steyr, four Magna Powertrain and two Magna Heavy Stamping apprentices trained at Magna's Vocational Training Center were able to celebrate this crowning conclusion to their apprenticeship careers. After a corona-related two-year interruption, this year's crop was the first to be presented with the coveted "Stars of Styria" plaque in an in-person setting again, at a ceremony held at the Karl Franzens University in Graz respectively the Kunsthaus in Weiz. And the Magna Vocational Training Center was also awarded a certificate for its excellent work in apprentice training.

No less impressively, three Magna IT apprentices celebrated a great success at the state hackathon of the Austrian Economic Chamber (WKO): With their mobile app for selling waste equipment, they won first place in the "Experts" category. The external jury was enthusiastic – in just eight hours, the apprentice team had designed and developed the app prototype and prepared a video presentation. Top!

![](_page_37_Picture_4.jpeg)

![](_page_37_Picture_5.jpeg)

![](_page_37_Picture_6.jpeg)

### DOING GOOD IS FUN

... which is why Magna employees are doubly happy to help: so in 2022, our teams supported not one but two charity projects.

What to do with lockers that are no longer needed but are still in top condition? Simple: give them away to those who can put them to good use! This is exactly what they did at the Graz plant, which donated around 70 double lockers to VinziWerke. The lockers are now put to new use in the VinziNest and VinziSchutz emergency sleeping facilities.

Exercise in fresh air and doing good: Under this motto, the Magna Employees' Golf Club in Graz collects donations for disadvantaged children every season. In 2022, the club's internal society raised 8,545 euros, which Magna International's matching program then doubled. The beneficiaries are little Jonas and his parents. Jonas has a heart condition and suffered meningitis a few years ago. Since then he has had to be looked after day and night. Hopefully, the employees' donation will brighten him up a bit and make everyday life easier for him in future.

#### **Promoting integrity**

Our activities in all countries where we do business are based on integrity, fairness and respect – ideals that are indispensable for a sustainable worldwide automotive company.

# COMPLIANCE MANAGEMENT

To ensure compliance with all binding obligations, a Compliance Management Process was developed and rolled out in the company. This process includes such aspects as the binding obligations of environmental management and is supported by the "gutwin" legal database. This legal database is based on the so-called Register of Laws and Decisions. EU directives and regulations relevant to the company as well as the national and regional laws and directives are made available by the service provider.

In addition to legal information, the company's obligations are derived in the form of "gutwin legal obligation tasks", made available in the legal database and assigned to the relevant persons within the company as part of the compliance management process. Magna Steyr Graz is affected by 230 laws and regulations. Derived from this, 1,500 "gutwin legal obligation tasks" have been identified and rolled out within the organization. Amendments of the laws are constantly evaluated, and relevant content is assigned to the responsible persons.

The legal register developed for Magna Steyr Graz includes the following areas of legislation: waste law, health and safety at work, construction law, fire protection, chemicals law, railway law, electrical engineering, hazardous materials, industrial law, immission and emission control, boiler law and pressure vessels, nature conservation, explosives and weapons law, criminal law, radiation protection, road traffic law, other environmental law, water law. In addition to legal information, decisions from official approval processes are also recorded in the register of decisions. Due to the long history of the location, some 1,500 decisions have been obtained so far, as a result of which 3,000 "gutwin decision tasks" and 11,550 "regulatory plant inspections" were rolled out within the organization through the SAP maintenance system. This ensures compliance with and proof of the fulfillment of regulatory requirements concerning construction and operation.

The "gutwin" database also contains environmentally relevant corporate guidelines and obligations arising from contracts, from which 100 "gutwin tasks" are derived. The performance of "gutwin tasks" and "plant inspections" in line with the prescribed deadlines and applicable requirements is assessed on a monthly basis with a key performance indicator, and reported to top management. The strategic goal attached to this was again fulfilled in 2022. Compliance with the binding obligations was demonstrated in 2022 by means of the EMAS audit and the Emission Certificate Act audit of TÜV Austria as well as the ISO 14001 system audit of Bureau Veritas. In addition to the implementation of obligations that have been in effect for some time, there were also certain new environmentally relevant requirements that needed to be taken into account in 2022.

New requirements and changes resulted, for example, from the amendment of the Waste Management Act, the Styrian building code and the National Emissions Trading Act including associated ordinances.

The paint shop operated at the location falls within the scope of the Industrial Emissions Directive. In this context, the compulsory triannual environmental inspection was carried out on site on December 13, 2022 by the Environmental Inspection Agency of the State of Styria together with the City of Graz. All evidence was provided, and no shortcomings were found.

![](_page_39_Figure_3.jpeg)

Simplified illustration of the Compliance Management Process

# SUSTAINABILITY PROGRAM

112:532:1

In the following section, all completed and planned measures in the areas of environment, occupational safety and awareness are recorded. In summary, these form the sustainability program for achieving the sustainability goals of Magna Steyr Fahrzeugtechnik listed above. 

# ENVIRONMENTAL ACHIEVENENTS

The environmental achievements listed in the following are assigned to the environmental aspects. Next to the goals and measures, we identify the SDGs to which the measures contribute, the degree of achievement (in comparison to the defined goal) and the areas responsible for the implementation of the required action.

| NO.  | OBJECTIVE   | MEASURE   | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT     |  |  |  |  |
|------|---|---|-----|---------------------|-------------------------------|--|--|--|--|
| Wat  | Water consumption   |   |     |                     |                               |  |  |  |  |
| 1    | Reduction of water consumption in<br>Business Unit H by 1.5%  | Development and implementation of water consumption reducing measures   | 12  | 100                 | Business Unit H               |  |  |  |  |
| 2    | Reduction of water consumption in<br>Business Unit J by 1.5%  | Development and implementation<br>of water consumption reducing<br>measures                                     | 12  | 100                 | Business Unit J               |  |  |  |  |
| 3    | Reduction of water consumption in the paint shop by 700 m <sup>3</sup>  | Adaptation of the system, resp.<br>decommissioning of a plant section   | 12  | 100                 | Business Unit<br>Painted Body |  |  |  |  |
| 4    | Reduction of water consumption<br>for plant irrigation in the vicinity of<br>Hall 2-South   | Installation of a rainwater tank for plant irrigation   | 12  | 100                 | Quality Management            |  |  |  |  |
| 5    | Reduction of water losses from<br>leakages in the Functional<br>Department Infrastructure<br>Management by 1.5%   | Renovation of part of the service<br>water piping based on the<br>diagnoses of central maintenance              | 12  | 100                 | Infrastructure<br>Management  |  |  |  |  |
| Ener | gy consumption  |   |     |                     |                               |  |  |  |  |
| 6    | Use of renewable energy for the test pool area of Business Unit G   | Installation of a PV system for test pool heating/filtering   | 7   | 50                  | Business Unit G               |  |  |  |  |
| 7    | Reduction of the electricity<br>consumption in the pre-trim area<br>in Hall 12 by 40%   | Changeover of line lighting to LED<br>and continuation of the conversion<br>activities as per step-by-step plan | 7   | 130                 | Business Unit G               |  |  |  |  |
| 8    | Reduction of the electricity<br>consumption at the chassis<br>dynamometers in Hall 12 by 12%  | Checking of the implementation<br>of identified potentials from the of<br>energy consumption survey             | 7   | 50                  | Business Unit G               |  |  |  |  |
| 9    | Reduction of the energy<br>consumption during non-pro-<br>duction time for the extraction<br>system at the chassis dynamom-<br>eters in Hall 12 by 100% | Integration of ventilation<br>equipment of the chassis<br>dynamometers into the production<br>control system    | 7   | 50                  | Business Unit G               |  |  |  |  |

| NO. | OBJECTIVE   | MEASURE  | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT     |
|-----|---|--|-----|---------------------|-------------------------------|
| 10  | Reduction of the energy<br>consumption for compressed<br>air production during non-pro-<br>duction time in the affected halls of<br>Business Unit H         | Procurement of a compressed<br>air buffer tank and switch-off of<br>the compressed air supply during<br>non-production time  | 7   | 100                 | Business Unit H               |
| 11  | Reduction of the energy<br>consumption in Business Unit H<br>by 2%  | Step-by-step conversion to LED line<br>lighting  | 7   | 121                 | Business Unit H               |
| 12  | Reduction of the energy<br>consumption in Business Unit J<br>by 2% (based on Forecast 2022)   | Step-by-step conversion to LED line<br>lighting  | 7   | 50                  | Business Unit J               |
| 13  | Creation of the necessary prereq-<br>uisites for the measurement of<br>energy consumption at the roller<br>extraction systems in Hall 1                     | Connection of the energy<br>measurement device of the roller<br>extraction systems to the overall<br>control system and implementation<br>of an analysis function via the<br>MEPIS system  | 7   | 70                  | Business Unit J               |
| 14  | Reduction of the energy<br>consumption in the cathodic dip<br>paint drier area in the paint shop<br>by 9%   | Optimization of the air volume in<br>the cathodic dip paint driers while<br>ensuring compliance with quality<br>requirements   | 7   | 100                 | Business Unit<br>Painted Body |
| 15  | Reduction of the energy<br>consumption of the air supply<br>systems in Hall 8 by 31%  | Optimization of the air supply<br>system of the halls while ensuring<br>compliance with quality require-<br>ments  | 7   | 100                 | Business Unit<br>Painted Body |
| 16  | Expansion of the data basis<br>through graphic representation of<br>the electricity consumption in the<br>Engineering Center Austria in a<br>Sankey diagram | Creation of a graphic chart to<br>visualize electricity consumption<br>related to process energy and for<br>targeted evaluation of possibilities<br>to measure and reduce electricity<br>consumption regarding main<br>consumers | 7   | 100                 | Engineering Center<br>Austria |
| 17  | Reduction of the electricity<br>consumption for trace heating in<br>Hall 8 during summer months   | Optimization of trace heating  | 7   | 100                 | Infrastructure<br>Management  |
| 18  | Reduction of the electricity<br>consumption for lighting in the<br>access and exit zones of building<br>50 by approximately 76%                             | Substitution of LED lamps for<br>high-pressure mercury vapor<br>lamps  | 7   | 100                 | Infrastructure<br>Management  |
| 19  | Reduction of the electricity<br>consumption for heat supply in Hall<br>3 by approximately 30%   | Optimization of the heat supply<br>through the use of frequency-con-<br>trolled pumps  | 7   | 100                 | Infrastructure<br>Management  |
| 20  | Reduction of the electricity<br>consumption for lighting in Hall 11<br>by approximately 42%   | Substitution of LED lamps for<br>moisture-proof diffuser luminaires<br>with fluorescent tubes  | 7   | 100                 | Infrastructure<br>Management  |
| 21  | Reduction of the electricity<br>consumption for chilling in Hall 7<br>by approximately 19%  | Use of a more efficient chiller  | 7   | 100                 | Infrastructure<br>Management  |
| 22  | Reduction of the thermal energy<br>consumption in Hall 1 by approxi-<br>mately 10%  | Optimization of heat supply<br>through development of an<br>AI-based forecasting tool  | 7   | 100                 | Infrastructure<br>Management  |

| NO.  | OBJECTIVE  | MEASURE   | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT    |
|------|--|---|-----|---------------------|------------------------------|
| 23   | Reduction of no-load and short<br>circuit losses in Hall 2 by<br>approximately 57%   | Use of a new transformer that fulfills Eco-design Directive 2   | 7   | 25                  | Infrastructure<br>Management |
| 24   | Reduction of no-load and short<br>circuit losses in Hall 27 by<br>approximately 59%  | Use of a new transformer that fulfills Eco-design Directive 2   | 7   | 25                  | Infrastructure<br>Management |
| 25   | Reduction of the natural gas<br>consumption for heating via hall<br>ventilation in Hall 12 by<br>approximately 27%                 | Optimization of the hall venti-<br>lation for winter mode through<br>adaptation of circulating air<br>injection via control system and<br>construction measures | 7   | 100                 | Infrastructure<br>Management |
| 26   | Reduction of the natural gas<br>consumption for natural gas<br>preheating in Hall 28 by<br>approximately 15%                       | Substitution of the two old gas heaters for more efficient models.  | 7   | 100                 | Infrastructure<br>Management |
| 27   | Reduction of the natural gas<br>consumption for heat generation<br>in Hall 4 by approximately 8%                                   | Replacement of the existing control<br>system and interconnection of the<br>heat supply system (demand-con-<br>trolled heat supply)                             | 7   | 100                 | Infrastructure<br>Management |
| 28   | Reduction of the natural gas<br>consumption for heat generation<br>in Hall 11 by approximately 7%                                  | Replacement of the existing control<br>system and interconnection of the<br>heat supply system (demand-con-<br>trolled heat supply)                             | 7   | 100                 | Infrastructure<br>Management |
| 29   | Use of renewable energy for a new customer project in Hall 3   | Installation of a PV system on the<br>roof of the annex of Hall 3 with<br>27.36 kWp output  | 7   | 100                 | Infrastructure<br>Management |
| 30   | Use of renewable energy for a new customer project in Hall 81  | Installation of a PV system on the<br>roof of the annex of Hall 81 with<br>63.46 kWp output   | 7   | 100                 | Infrastructure<br>Management |
| 31   | Raising employee awareness<br>concerning energy losses when<br>windows are open  | Plant-wide roll-out of the "Keep<br>windows closed to avoid energy<br>losses" stickers to avoid energy<br>losses in WC facilities                               | 7   | 100                 | Infrastructure<br>Management |
| 32   | Reduction of electricity<br>consumption of the corrosion<br>climate test device in the Functional<br>Department Quality Management | Use of a corrosion climate test<br>device with maximum energy<br>efficiency instead of a standard<br>climate test device  | 7   | 100                 | Quality Management           |
| 33   | Raising employee awareness of<br>energy consumption (employees of<br>the Functional Department Quality<br>Management)              | Employee training on reduction<br>of the electricity consumption<br>by switching off computers and<br>reducing time in standby mode                             | 7   | 100                 | Quality Management           |
| Nois | e  |   |     |                     |                              |
| 34   | Reduction of the noise level in the<br>vicinity of the exhaust air system<br>on the exterior between Hall 8 and<br>Hall 12 by 17%  | Replacement of the motor of the exhaust air system  | 12  | 100                 | Business Unit G              |

| NO.   | OBJECTIVE  | MEASURE  | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT                   |
|-------|--|--|-----|---------------------|---|
| Air e | missions   |  |     |                     |   |
| 35    | Carbon neutrality for the Magna<br>Steyr Graz plant from 2022  | Compensation of unavoidable<br>Scope 1 and Scope 2 emissions<br>according to the greenhouse gas<br>balance 2022 by means of a Gold<br>Standard certified project                                 | 13  | 100                 | Infrastructure<br>Management                |
| Wast  | e generation   |  |     |                     |   |
| 36    | Reduction of waste collecting effort<br>for the "untreated wood" waste<br>fraction   | Installation of a roller compactor<br>for the waste container and length-<br>ening of intervals between collec-<br>tions   | 12  | 80                  | Business Unit G                             |
| 37    | Improvement of the waste<br>separation discipline of employees<br>of Business Unit H   | Training of all employees after<br>residual waste analysis (clustering<br>of most frequent mistakes)   | 12  | 50                  | Business Unit H                             |
| 38    | Improvement of the waste<br>separation discipline of employees<br>of Business Unit J   | Training of all employees on proper waste separation   | 12  | 100                 | Business Unit J                             |
| 39    | Reduction of paint sludge waste in the paint shop by 10%   | Utilization of optimization potential<br>through change of coagulation<br>materials  | 12  | 100                 | Business Unit<br>Painted Body               |
| 40    | Improvement of the waste<br>separation discipline and waste<br>avoidance awareness of employees<br>of the Functional Department<br>Quality Management                            | Targeted testing on waste subjects<br>from the 2021 training course plus<br>awareness-building with regard<br>to specific waste management<br>subjects (e.g. cigarette waste,<br>batteries etc.) | 12  | 100                 | Quality Management                          |
| Tran  | sport  |  |     |                     |   |
| 41    | Reduction of the number of truck<br>journeys by suppliers, resulting in<br>CO <sub>2</sub> savings of 450 tons per year  | Use of iTMS planning software to<br>optimize utilization of HGV cargo<br>capacities for transports from the<br>supplier to the plant   | 13  | 108                 | Manufacturing<br>Engineering &<br>Logistics |
| Emp   | loyee mobility   |  |     |                     |   |
| 42    | Certification as a bicycle-friendly<br>company as part of the Cycle<br>Champ project   | Organization and participation in the audit in agreement with the certification company  | 11  | 100                 | Human Resources                             |
| 43    | Rewards and incentives for cyclists<br>(e.g. cyclist of the month) through<br>establishment of a Cycle Champ<br>shop   | Offering of discounted bicycle<br>equipment (clothes, spare parts<br>etc.) in a dedicated Cycle Champ<br>shop  | 11  | 10                  | Human Resources                             |
| 44    | Reduction of commuters travelling<br>to work in their own car by finan-<br>cially supporting bicycle acquisition<br>for work-related and private use by<br>Magna Steyr employees | Creation of the necessary prereq-<br>uisites and implementation of a<br>sponsored bicycle leasing model  | 11  | 40                  | Human Resources                             |
| 45    | Reduction of commuters travelling<br>to work in their own car through<br>better connection to the public<br>transport network, within a<br>50-kilometer radius                   | Continuation of the activities for<br>improved (working-hour based)<br>connection of the Thondorf<br>location to the public transport<br>network   | 11  | 80                  | Human Resources                             |

| NO.  | OBJECTIVE  | MEASURE  | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT     |
|------|--|--|-----|---------------------|-------------------------------|
| 46   | Reduction of the rate of commuters<br>travelling to work in their own car<br>by promoting carpools   | Implementation and roll-out of the chosen technical solution   | 11  | 100                 | Infrastructure<br>Management  |
| 47   | Use of electro-mobility for<br>business trips  | Completion of the program to build<br>charging stations and therefore<br>increase charging capacities for<br>electric vehicles in the outdoor area<br>of Building 47 | 13  | 100                 | Infrastructure<br>Management  |
| 48   | Encouraging the use of electro-<br>mobility for employees at<br>Aerospace Puchstrasse  | Installation of a charging station for e-bikes   | 13  | 55                  | Aerospace                     |
| Gene | eral   |  |     |                     |                               |
| 49   | Raising employee awareness about<br>the environmental impact of a<br>paint shop (20 employees of the<br>Business Unit Painted Body)  | Organization of training   | 12  | 120                 | Business Unit<br>Painted Body |
| 50   | Raising awareness about the<br>consequences of the reference<br>documents on the best available<br>technologies (BAT) for the surface<br>treatment of metals and plastics as<br>well as the surface treatment with<br>organic solvents (5 managers of<br>the Business Unit Painted Body) | Organization of training   | 12  | 120                 | Business Unit<br>Painted Body |

The environmental achievements listed in the following are assigned to the environmental aspects. Next to the goals and measures, we identify the SDGs to which the measures contribute, the dates for implementation and the areas responsible for the implementation of the required action.

| NO.  | OBJECTIVE  | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT     |
|------|--|---|-----|--------------------------|-------------------------------|
| Wate | er consumption   |   |     |                          |                               |
| 1    | Identification of a possible<br>reduction of water consumption for<br>rain test in Business Unit G                               | Clarification and evaluation of<br>technical options to reduce weekly<br>water changes, e.g. reduction of<br>contamination during operation by<br>coating catch basins  | 12  | Dec-23                   | Business Unit G               |
| 2    | Identification of potential water<br>savings in Business Unit G  | Retrofitting of water meters in the affected Business Unit  | 12  | Dec-23                   | Business Unit G               |
| 3    | Reduction of water consumption in<br>the pretreatment zone of Business<br>Unit Painted Body                                      | Examination of potential rinsing<br>water management optimizations<br>in the pretreatment zone  | 12  | Dec-23                   | Business Unit<br>Painted Body |
| 4    | Identification of potential water<br>savings according to the specified<br>group-wide savings quotas at the<br>Thondorf location | Identification of potential reduc-<br>tions of water consumption in<br>coordination with the Business<br>Units. Evaluation of potentials for<br>process/technical feasibility and<br>economic efficiency. Preparation<br>of an implementation plan and<br>consideration in budget planning. | 12  | Aug-23                   | Infrastructure<br>Management  |
| Ener | gy consumption   |   |     |                          |                               |
| 5    | Identification of potential energy savings for lighting in Hall 11   | Examination of the possibility to<br>convert process lighting to LED<br>lighting  | 7   | Jun-23                   | Business Unit G               |
| 6    | Identification of potential energy savings for lighting in Hall 12   | Examination of the possibility to<br>integrate lighting in the rework<br>zone into the prodap in the course<br>of the conversion to LED lighting  | 7   | Jul-23                   | Business Unit G               |
| 7    | Reduction of electrical energy consumption for lighting in Hall 21   | Examination of the possibility of a control system for line lighting incl. heat lamps   | 7   | Dec-23                   | Business Unit G               |

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| NO. | OBJECTIVE   | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT     |
|-----|---|---|-----|--------------------------|-------------------------------|
| 8   | Identification of potential energy<br>savings in Business Unit G  | Retrofitting of meters in the affected Business Unit  | 7   | Dec-23                   | Business Unit G               |
| 9   | Improvement of the data structure<br>for measuring energy consumption<br>in Business Unit H   | Equipping main consumers with<br>individual meters; additionally<br>more detailed data collection for<br>individual busbars   | 7   | Dec-23                   | Business Unit H               |
| 10  | Reduction of compressed air consumption in Hall 82  | Partial switch-off of compressed air<br>consumers during non-production<br>periods with the aid of technical<br>optimization  | 7   | Dec-23                   | Business Unit H               |
| 11  | Reduction of heat losses at loading docks   | Optimization of dock sealing by<br>installing flaps   | 7   | Apr-23                   | Business Unit H               |
| 12  | Identification of potential energy<br>savings from the FFE energy<br>analysis in the Business Unit<br>Painted Body                              | Request for proposals and imple-<br>mentation (WIRE) of the results<br>from FFE energy analysis   | 7   | Dec-23                   | Business Unit<br>Painted Body |
| 13  | Reduction of energy and resource consumption in IT  | Examination of the implementation<br>of source code analyses in IT incl.<br>preparation of a corresponding<br>decision-making basis   | 7   | Jul-23                   | Information<br>Technology     |
| 14  | Identification of potential energy<br>savings with regard to energy-in-<br>tensive equipment from Quality<br>Management                         | Identification of energy-consuming<br>equipment (air-conditioning and<br>corrosion chambers, measuring<br>machines, etc.) and definition of<br>savings targets                  | 7   | Jun-23                   | Quality Management            |
| 15  | Identification of potential energy<br>savings with regard to the new<br>corrosion climate test device   | Installation of an electricity meter<br>and performance of tests at<br>different temperature levels to<br>obtain a consistent test result with<br>lower electricity consumption | 7   | Oct-23                   | Quality Management            |
| 16  | Reduction of the required thermal<br>energy input for the thermal paint<br>stripping process by 20%   | Renewal of the carbonization<br>furnaces and installation of a heat<br>exchanger  | 7   | Dec-23                   | Business Unit<br>Painted Body |
| 17  | Reduction of the thermal energy<br>required for the CDP dryers of the<br>Business Unit Painted Body by 3%<br>and of the electrical energy by 4% | Process optimization (flow rate<br>reduction) of the two CDP dryers<br>without compromising combustion<br>chamber temperature and product<br>quality                            | 7   | Jan-23                   | Business Unit<br>Painted Body |
| 18  | Reduction of electrical energy<br>consumption for lighting in the<br>social areas of Business Unit G<br>by 98%                                  | Installation of automatic staircase<br>lighting control systems in social<br>areas  | 7   | Mar-23                   | Business Unit G               |
| 19  | Reduction of electrical energy<br>consumption for lighting at<br>assembly lines, Trim 2 and other<br>zones of Business Unit G by 72%            | Conversion of line lighting to LED  | 7   | Aug-23                   | Business Unit G               |
| 20  | Reduction of electrical energy<br>consumption for Maintenance<br>lighting in Business Unit G by 72%   | Conversion of Maintenance lamps<br>to LED lighting  | 7   | Sep-23                   | Business Unit G               |
| 21  | Reduction of electrical energy<br>consumption for lighting in Hall 82<br>by 11% in relation to total energy<br>consumption in Business Unit H   | Conversion to LED lighting in the entire line area  | 7   | Dec-23                   | Business Unit H               |

| NO. | OBJECTIVE   | MEASURE  | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT     |
|-----|---|--|-----|--------------------------|-------------------------------|
| 22  | Reduction of the electrical energy<br>consumption of the transformer in<br>Hall 2 by 57%  | Replacement of the transformer   | 7   | Sep-23                   | Infrastructure<br>Management  |
| 23  | Reduction of the electrical energy<br>consumption of the transformer in<br>Hall 27 by 59%   | Replacement of the transformer   | 7   | Sep-23                   | Infrastructure<br>Management  |
| 24  | Reduction of the electrical energy<br>consumption at the heating station<br>H01W01 and at the floor distributor<br>of Hall 22 by a total of 27%     | Replacement of the existing<br>fixed-speed heating pumps with<br>variable-speed heating pumps  | 7   | Aug-23                   | Infrastructure<br>Management  |
| 25  | Use of renewable energies at the<br>Thondorf location to reduce exter-<br>nally sourced electricity by 9%   | Installation of photovoltaic systems   | 7   | Dec-23                   | Infrastructure<br>Management  |
| 26  | Reduction of electrical energy<br>consumption at the ventilation<br>system H01L10 by 50%  | Adjustment of operating times to ensure demand-adjusted system operation   | 7   | Mar-23                   | Infrastructure<br>Management  |
| 27  | Reduction of electrical energy<br>consumption at the ventilation<br>system H04L04 by 20%  | Adjustment of operating times to ensure demand-adjusted system operation   | 7   | Mar-23                   | Infrastructure<br>Management  |
| 28  | Reduction of electricity<br>consumption for compressed air<br>generation at the Thondorf plant<br>by 100,000 kWh                                    | Acquisition and installation of a<br>higher-level compressor control<br>system for more energy-efficient<br>operation  | 7   | Aug-23                   | Infrastructure<br>Management  |
| 29  | Reduction of the electricity<br>consumption for general hall<br>lighting in Hall 11 by 54%  | Replacement of existing HQL lamps<br>with LED lamps  | 7   | Sep-23                   | Infrastructure<br>Management  |
| 30  | Reduction of the thermal energy<br>required for the filler dryers of the<br>Business Unit Painted Body by 10%<br>and of the electrical energy by 3% | Process optimization of the two<br>filler dryers without compromising<br>combustion chamber temperature<br>and product quality                               | 7   | Jan-23                   | Business Unit<br>Painted Body |
| 31  | Reduction of the thermal energy<br>required for the UBS air supply<br>system of the BU Painted Body<br>by 70%                                       | Renewal of the UBS supply<br>air system incl. heat recovery;<br>replacement of natural gas burners<br>with hot water heating coils                           | 7   | Dec-23                   | Business Unit<br>Painted Body |
| 32  | Reduction of the required heating<br>in Hall 3 by 3%  | Implementation of an AI-based<br>heating control system  | 7   | Dec-23                   | Infrastructure<br>Management  |
| 33  | Reduction of electrical energy<br>consumption for lighting in the<br>areas of rework, frame line as well<br>as other areas in Hall 12 by 68%        | Conversion of fluorescent tubes to<br>LED lighting   | 7   | Sep-23                   | Business Unit G               |
| 34  | Reduction of the electrical energy<br>consumption for lighting in further<br>areas of Hall 12 by 57%  | Conversion of fluorescent tubes to<br>LED lighting   | 7   | Jun-23                   | Business Unit G               |
| 35  | Reduction of the natural gas<br>consumption by 2.5% for the<br>DL 3 BC  | Replacement of one of the three<br>heat wheels in front of the DL3 ZLA<br>BC (replacement of one heat wheel<br>by a new one with more efficient<br>material) | 7   | Jun-23                   | Business Unit<br>Painted Body |

| NO.   | OBJECTIVE   | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT                   |
|-------|---|---|-----|--------------------------|---|
| 36    | Reduction of the thermal energy<br>required for the supply air system<br>of the masking booth DL3 by 79%<br>and of the electrical energy<br>by 113% | Replacement of the mask supply air<br>system ZLA93 (reduction of the air<br>volume and installation of a heat<br>recovery system)   | 7   | Aug-23                   | Business Unit<br>Painted Body               |
| 37    | Reduction of the electrical energy<br>consumption for lighting in further<br>areas of Hall 03 by 60%  | Conversion of fluorescent tubes to<br>LED lighting  | 7   | Jun-23                   | Engineering Center<br>Austria               |
| Mate  | erial consumption   |   |     |                          |   |
| 38    | Reduction of the environmental<br>risk during chemicals filling and<br>manipulation in the company's<br>wastewater treatment plant                  | Emergency drill with the company<br>fire brigade and BARA crew<br>covering defined abnormal<br>operating conditions   | 15  | Dec-23                   | Business Unit<br>Painted Body               |
| Land  | l consumption   |   |     |                          |   |
| 39    | Upgrading biodiversity in green spaces at the Thondorf plant  | Creation of flower meadow areas<br>around Admin Building-North/<br>Admin Building-South and H10   | 11  | Apr-23                   | Infrastructure<br>Management                |
| Nois  | e   |   |     |                          |   |
| 40    | Ensuring legal compliance with regard to noise pollution in Hall 12   | Preparation of a noise register and mapping in CAFM   | 12  | Jun-23                   | Business Unit G                             |
| Air e | missions  |   |     |                          |   |
| 41    | Establishment of relevant Scope 3<br>emissions of Magna Steyr   | Development of the methodology<br>for each Scope 3 emission type<br>in cooperation with the relevant<br>functional departments; prepa-<br>ration of resource and schedule<br>planning for the calculation | 13  | Dec-23                   | Infrastructure<br>Management                |
| Was   | te generation   |   |     |                          |   |
| 42    | Reduction of waste attributable to parts packaging in Business Unit H   | Optimization of single-use<br>load carriers through material<br>reduction; phase-in of reusable<br>load carriers  | 12  | Dec-23                   | Business Unit H                             |
| 43    | Identification of potential recycling<br>opportunities to reduce waste<br>fractions committed to landfill   | Examine further development<br>of recycling opportunities on<br>the market and, if potentials are<br>identified, evaluation in terms<br>of scheduling, process and<br>commercial aspects                  | 12  | Aug-23                   | Infrastructure<br>Management                |
| 44    | Reduction of internal waste trans-<br>ports between waste yards and<br>associated emissions by 100%   | Installation of a roller compactor<br>for the untreated wood waste<br>container to facilitate direct<br>transport to the disposal company   | 13  | Sep-23                   | Business Unit G                             |
| Tran  | sport   |   |     |                          |   |
| 45    | Identification of potential emission<br>savings with regard to the internal<br>transport of empties in Business<br>Unit G                           | Examination of optimization poten-<br>tials with regard to transport of<br>empties; avoidance of unnecessary<br>journeys at external warehouses<br>and in Hall 12   | 13  | Dec-23                   | Business Unit G                             |
| 46    | Identification of potential emission<br>savings with regard to internal<br>transport in connection with a<br>customer project                       | Conducting a feasibility study<br>for the use of e-trucks instead of<br>diesel trucks for the new customer<br>project   | 13  | Dec-23                   | Manufacturing<br>Engineering &<br>Logistics |

| NO.  | OBJECTIVE   | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT                   |
|------|---|---|-----|--------------------------|---|
| 47   | Reduction of transport-related<br>travel times and associated<br>emissions in Business Unit G<br>by 0.01%   | Installation of an additional regis-<br>tration terminal in Albersdorf  | 13  | Dec-23                   | Manufacturing<br>Engineering &<br>Logistics |
| 48   | Reduction of transport-related<br>travel times and associated<br>emissions in Business Unit J by 21%  | Optimization of the distance of<br>truck journeys from the supplier<br>to the point of unloading (without<br>cross-dock)  | 13  | Dec-23                   | Manufacturing<br>Engineering &<br>Logistics |
| Emp  | loyee mobility  |   |     |                          |   |
| 49   | Reduction of the number of<br>employees driving to work in their<br>own car by promoting alternative<br>forms of mobility for employees at<br>the Thondorf location                                 | Continuation of talks with the City<br>of Graz to improve connection to<br>the cycle path network as part of<br>the cycling campaign  | 13  | Dec-23                   | Human Resources                             |
| 50   | Reduction of the number of<br>employees driving to work in their<br>own car by promoting carpools for<br>employees at the Thondorf location   | Implementation of a communi-<br>cation campaign to widely publicize<br>the system, analyze user behavior,<br>and support the formation of car<br>pools through target-group-spe-<br>cific measures. Exchange with<br>other companies in the vicinity. | 13  | Dec-23                   | Human Resources                             |
| 51   | Reduction of the number of<br>employees driving to work in<br>their own car through improved<br>connection to the public transport<br>network and promotion of public<br>transport use (job ticket) | Continuation of talks with<br>the Province of Styria and the<br>Transport Association of Styria,<br>presentation of Magna Steyr's<br>interests and extension of the<br>job ticket   | 13  | Dec-23                   | Human Resources                             |
| Prod | uct development   |   |     |                          |   |
| 52   | Awareness-raising for environ-<br>mentally responsible product<br>development among employees at<br>all global Engineering Centers of<br>Magna Steyr  | Thematic broadening of the<br>existing e-learning course in<br>Ecodesign, alignment with CI/<br>CD requirements, updating of the<br>language, expansion of the course<br>to include Engineering Magna Steyr   | 12  | Dec-23                   | Engineering Center<br>Austria               |
| Gene | eral  |   |     |                          |   |
| 53   | Raising the awareness of<br>employees for "environmental<br>protection" issues in the Aerospace<br>segment  | Implementation of mandatory<br>environmental training for new<br>employees and refresher course<br>for existing employees   | 12  | Jun-23                   | Aerospace                                   |
| 54   | Raising the awareness of managers for "sustainability" at the Thondorf location   | Implementation of mandatory<br>sustainability training for managers<br>in the "People Net" training tool  | 4   | Dec-23                   | Business Unit<br>Painted Body               |

## OCCUPATIONAL HEALTHAND SAFETY ACTION OF THE OCCUPATION OF THE OCCU

The occupational health and safety achievements listed below are organized according to the TOP principle. "T" means technical implementation, "O" means organizational implementation, and "P" means an objective relating to the personal protection gear of the employees. Next to the goals and measures, we identify the SDGs to which the measures contribute, the degree of achievement and the areas responsible for the implementation of the required action.

| NO.  | OBJECTIVE   | MEASURE  | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT |  |  |  |  |  |
|------|---|--|-----|---------------------|---------------------------|--|--|--|--|--|
| Tech | echnical  |  |     |                     |                           |  |  |  |  |  |
| 1    | Increasing safety for on-site cycling   | Fitting of all company bicycles<br>with lamps and training of correct<br>cycling behavior on the premises  | 3   | 100                 | Information<br>Technology |  |  |  |  |  |
| Orga | anizational   |  |     |                     |                           |  |  |  |  |  |
| 2    | Awareness-building on the subject<br>of machines with higher risk<br>potential                      | Awareness-building among all<br>employees who operate or work<br>with saws, grinding and cutting<br>tools as well as turning and milling<br>machines                       | 3   | 100                 | Aerospace                 |  |  |  |  |  |
| 3    | Prevention of accident risks<br>through safety walks in Business<br>Unit G                          | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator                                   | 3   | 100                 | Business Unit G           |  |  |  |  |  |
| 4    | Awareness-building on the subject of fire protection  | Performance of an evacuation drill<br>to simulate an emergency and<br>acquire experiences concerning the<br>improvement of the organization                                | 3   | 100                 | Business Unit G           |  |  |  |  |  |
| 5    | Reduction of the time between fire detection and response   | Implementation of a fire drill with the company fire brigade   | 3   | 100                 | Business Unit G           |  |  |  |  |  |
| 6    | Reduction of stress in neck, fingers<br>and shoulders   | Implementation of a special<br>campaign "neck, shoulder, fingers"<br>at the sewing line in cooperation<br>with an external company and the<br>Occupational Medicine Center | 3   | 100                 | Business Unit G           |  |  |  |  |  |
| 7    | Reduction of the accident risk by<br>respecting the needs of others in<br>the daily working process | Training courses focusing on the<br>subject of "risk prevention at the<br>forklift truck/employee interface"<br>by the responsible manager                                 | 3   | 100                 | Business Unit G           |  |  |  |  |  |
| 8    | Advanced training for safety<br>advisers in Business Unit G   | Refresher course (e.g. by means of<br>all-day seminars for long-serving<br>safety advisers (> 10 years))   | 3   | 100                 | Business Unit G           |  |  |  |  |  |

| NO. | OBJECTIVE   | MEASURE  | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT     |
|-----|---|--|-----|---------------------|-------------------------------|
| 9   | Awareness-building on the subject of fire protection  | Workplace evaluation with focus<br>on fire protection (fire protection<br>signage, escape routes etc.)   | 3   | 100                 | Business Unit G               |
| 10  | Improvement of reporting on<br>near misses and unsafe activ-<br>ities through in-house idea<br>management               | Motivation of the employees, e.g.<br>through special campaigns or<br>special bonuses for reported near<br>misses/unsafe activities   | 3   | 100                 | Business Unit G               |
| 11  | Improvement of the ergonomic conditions of the working places   | Continuation of the evalua-<br>tions with ergonomy dummy in<br>production and material logistics   | 3   | 100                 | Business Unit G               |
| 12  | Confirmation of the ergonomics<br>and safety issues in the context of<br>the integration of a new project               | Evaluation focus on newly designed workplaces  | 3   | 100                 | Business Unit H               |
| 13  | Reduction of accidents of the<br>"crushing & getting caught" type   | Evaluations with special focus on<br>crushing risk positions as reaction<br>to the 2021 accident statistics  | 3   | 100                 | Business Unit H               |
| 14  | Awareness-building among<br>employees of Business Unit H  | Performance of a special aware-<br>ness-building campaign by Allge-<br>meine Unfallversicherungsanstalt<br>(AUVA)  | 3   | 100                 | Business Unit H               |
| 15  | Prevention of accident risks<br>through safety walks in Business<br>Unit H  | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator   | 3   | 100                 | Business Unit H               |
| 16  | Sustainable reduction of the<br>ergonomic burden on employees<br>during assembly and material<br>handling in production | Ergonomy evaluation with<br>ergonomy dummy for additional<br>employee feedback in specific<br>areas after balancing change   | 3   | 100                 | Business Unit H               |
| 17  | Introduction of an exo-skeleton for<br>overhead work  | Trial use of an easy-to-wear neck<br>support to achieve an ergonomic<br>improvement for overhead work  | 3   | 100                 | Business Unit H               |
| 18  | Prevention of accident risks<br>through safety walks in Business<br>Unit J  | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator   | 3   | 100                 | Business Unit J               |
| 19  | Reduction of burden due to lifting and carrying   | Training of 50 employees on the<br>subject of "lifting & carrying"   | 3   | 20                  | Business Unit J               |
| 20  | Avoidance of accident risks in the paint shop and in the body shop  | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator   | 3   | 100                 | Business Unit<br>Painted Body |
| 21  | Evaluation of explosion risk areas  | Checking of the implemented<br>measures to ensure conformity<br>with the applicable VEXAT safety<br>requirements   | 3   | 100                 | Business Unit<br>Painted Body |
| 22  | Reduction of the "top 3" injuries   | Evaluation of priorities and<br>definition of preventive action<br>and special campaigns regarding<br>the "top 3" injuries (based on the<br>accident analysis 2021) within the<br>scope of the workplace evaluations | 3   | 100                 | Business Unit<br>Painted Body |

| NO. | OBJECTIVE   | MEASURE   | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT     |
|-----|---|---|-----|---------------------|-------------------------------|
| 23  | Sustainable reduction of the<br>ergonomic burden on employees<br>during production and logistics<br>activities  | Performance of quarterly<br>ergonomics assessments with<br>focus on an integrated process flow  | 3   | 100                 | Business Unit<br>Painted Body |
| 24  | Specific training of approximately<br>100 maintenance employees in the<br>Business Unit Painted Body on the<br>most frequent causes of accidents<br>during failures and maintenance<br>activities | Implementation of special<br>campaigns on accident prevention<br>with qualified external experts  | 3   | 100                 | Business Unit<br>Painted Body |
| 25  | Improvement of body posture and/<br>or ergonomy   | Performance of a campaign (e.g.<br>healthy back)  | 3   | 100                 | Engineering Center<br>Austria |
| 26  | Organization of 30 walks and/<br>or evaluations in the Engineering<br>Center Austria  | Identification and investigation<br>of ergonomic and PPG or<br>workplace-related problems   | 3   | 100                 | Engineering Center<br>Austria |
| 27  | Improvements of the ergonomic<br>conditions in the offices of the<br>Engineering Center Austria   | Weekly office workplace evalua-<br>tions (partly with the occupational<br>medicine representatives), advice<br>on ergonomic office furniture and<br>(if required) replacement of office<br>chairs and tables                                    | 3   | 100                 | Engineering Center<br>Austria |
| 28  | Improvements of the ergonomic<br>conditions in the offices of the<br>Functional Department Finance/<br>Controlling  | Evaluation of 10 office workplaces regarding ergonomic design   | 3   | 100                 | Finance/Controlling           |
| 29  | Improvements of the ergonomic<br>conditions in the offices of the<br>Functional Department Human<br>Resources   | Information and aware-<br>ness-building among office<br>employees on the subject of<br>ergonomic workplace design with<br>the aim of promoting health and<br>vitality at the workplace  | 3   | 100                 | Human Resources               |
| 30  | Better awareness-building focusing<br>on EHS  | Participation of occupational safety<br>experts and presentation of an<br>occupational safety subject during<br>(at least) two apprentice meetings<br>(focus based on recent accident<br>issues)  | 3   | 100                 | Human Resources               |
| 31  | Achievement of AFR objec-<br>tives (with focus on apprentice<br>workshops)  | Regular performance of safety<br>trainings and awareness-building<br>in group discussions, on-site<br>walks with occupational medicine<br>representatives, safety officers and<br>master trainers   | 3   | 100                 | Human Resources               |
| 32  | Reduction of burden due to lifting<br>and carrying  | Awareness-building event with<br>Allgemeine Unfallversicherung-<br>sanstalt (AUVA) on the subject<br>of "proper lifting and carrying<br>of loads" for all maintenance<br>employees of the Functional<br>Department Infrastructure<br>Management | 3   | 100                 | Infrastructure<br>Management  |
| 33  | Performance of two evaluations on<br>pit inspections (one well and one<br>mineral oil separator)  | Evaluation of the inspection of<br>well and mineral oil separators<br>with the responsible maintenance<br>employees and involvement of a<br>safety officer  | 3   | 100                 | Infrastructure<br>Management  |

| NO.  | OBJECTIVE   | MEASURE  | SDG | FULFILLMENT<br>IN % | RESPONSIBLE<br>DEPARTMENT                   |
|------|---|--|-----|---------------------|---|
| 34   | More near miss-reporting compared to the previous year  | Awareness-building regarding near<br>miss-reporting on the subjects of<br>detecting risks and eliminating<br>risks   | 3   | 100                 | Infrastructure<br>Management                |
| 35   | Reduction of industrial accidents in<br>the Functional Department Infra-<br>structure Management                        | Regular communication during<br>scheduled meetings on plant<br>security and as a fixed part of<br>the periodic fire drills (aware-<br>ness-building among all<br>employees, correct behavior in<br>action, correct use of personal<br>protection gear) | 3   | 100                 | Infrastructure<br>Management                |
| 36   | Efficiency increase in the safety<br>data sheet process   | Set-up of a workflow for a<br>plant-wide consistent safety data<br>sheet checking and approval<br>process, validated documentation<br>in the MyDMS System with change<br>management of safety data sheets<br>as controlled documents                   | 3   | 100                 | Infrastructure<br>Management                |
| 37   | Awareness-building on the subject<br>of work-life balance   | Presentation of content from the<br>training catalogue and information<br>on burnout prevention by the<br>Occupational Medicine Center   | 3   | 100                 | Manufacturing<br>Engineering &<br>Logistics |
| 38   | Increase of the number of<br>employees who completed a first<br>aid course  | Participation of at least one<br>employee in a first aid course  | 3   | 100                 | Manufacturing<br>Engineering &<br>Logistics |
| 39   | Improvements of the ergonomic<br>conditions in the offices of the<br>Functional Department Quality<br>Management        | Information and aware-<br>ness-building among office<br>employees on the subject of<br>ergonomic workplace design with<br>the aim of promoting health and<br>vitality at the workplace   | 3   | 100                 | Quality Management                          |
| 40   | Avoidance of accident risks on<br>assembly lines, in the body-in-white<br>shop and in the paint shop                    | Performance of 5 safety walks<br>through the test stations of the<br>Functional Department Quality<br>Management in the productions  | 3   | 100                 | Quality Management                          |
| 41   | Set-up of new safety teams of the<br>Functional Department Quality<br>Management in the respective<br>areas             | Establishment of a global team<br>of "lead safety advisers" (incl.<br>definition of the roles) plus visual-<br>ization of the contacts for Health &<br>Safety matters  | 3   | 100                 | Quality Management                          |
| 42   | Improvements of the ergonomic<br>conditions in the offices of the<br>Functional Department Sales &<br>Marketing         | Evaluation of 5 office workplaces regarding ergonomic design   | 3   | 100                 | Sales & Marketing                           |
| 43   | Better awareness-building on the<br>subject of occupational safety in<br>the Functional Department Sales &<br>Marketing | Qualification of an additional<br>employee in Sales & Marketing as a<br>safety adviser   | 3   | 100                 | Sales & Marketing                           |
| Pers | onal protective equipment   |  |     |                     |   |
| 44   | Reduction of finger and hand<br>injuries in Business Unit J   | Introduction of new protective<br>gloves with thinner material that<br>offer the same level of protection<br>from cuts   | 3   | 100                 | Business Unit J                             |

### OCCUPATIONAL HEALTH AND SAFETY PROGRAM 2023

The occupational health and safety objectives in the occupational health and safety program listed below are organized according to the TOP principle. "T" means technical implementation, "O" means organizational implementation, and "P" means an objective relating to the personal protection gear of the employees. Next to the goals and measures, we identify the SDGs to which the measures contribute, the dates for implementation and the areas responsible for the implementation of the required action.

| NO.  | OBJECTIVE   | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT                   |
|------|---|---|-----|--------------------------|---|
| Tech | nical   |   |     |                          |   |
| 1    | Improved safety features for<br>forklift trucks   | Retrofitting of warning zone lights<br>on 10 forklift trucks  | 3   | Dec-23                   | Business Unit G                             |
| 2    | Avoidance of injuries during work<br>with self-turning tools (e-screw-<br>drivers)                          | Installation of screw sleeves on all e-screwdrivers used with gloves  | 3   | Jul-23                   | Business Unit H                             |
| 3    | Improvement of air exchange and<br>air quality in the paint mixing room<br>Top coat 2                       | Replacement of the air supply system  | 3   | Apr-23                   | Business Unit<br>Painted Body               |
| 4    | Reduction of the accident risk regarding falls  | Installation of an anti-slip floor<br>covering  | 3   | Dec-23                   | Infrastructure<br>Management                |
| 5    | Reduction of the accident risk regarding forklift trucks  | Installation of person recognition<br>cameras (3D) for forklift trucks  | 3   | Mar-23                   | Manufacturing<br>Engineering &<br>Logistics |
| Orga | anizational   |   |     |                          |   |
| 6    | Improvement of occupational safety in the Aerospace segment   | Safety training for handling<br>cryogenic tanks incl. advanced<br>module by an external company   | 3   | Dec-23                   | Aerospace                                   |
| 7    | Advanced training for safety<br>advisers  | Refresher course and broadened<br>information for safety advisers, e.g.<br>through one-day seminars   | 3   | Dec-23                   | Business Unit G                             |
| 8    | Raising the awareness of<br>employees with regard to "Health<br>and Safety" in the daily working<br>process | Performance of training courses<br>focusing on the subject of "risk<br>prevention at the forklift truck/<br>employee interface" by the respon-<br>sible manager | 3   | Dec-23                   | Business Unit G                             |

| NO. | OBJECTIVE  | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT     |
|-----|--|---|-----|--------------------------|-------------------------------|
| 9   | Raising the awareness of<br>employees with regard to "Health<br>and Safety" in the Pretrim area                | Performance of a special campaign<br>on "Health & Safety"   | 3   | Dec-23                   | Business Unit G               |
| 10  | Raising the awareness of<br>employees with regard to "Health<br>and Safety" in the Rework area                 | Performance of a special campaign on "Health & Safety"  | 3   | Dec-23                   | Business Unit G               |
| 11  | Ensuring appropriate emergency<br>care in Business Unit G  | Performance of an advanced<br>training course or refresher<br>training for first aiders   | 3   | Dec-23                   | Business Unit G               |
| 12  | Prevention of accident risks in<br>Business Unit G   | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator                    | 3   | Dec-23                   | Business Unit G               |
| 13  | Raising the awareness of<br>employees with regard to "Fire<br>Protection" in Business Unit G                   | Performance of an evacuation<br>drill in Hall 21 to simulate an<br>emergency and acquire experi-<br>ences concerning the improvement<br>of the organization | 3   | Dec-23                   | Business Unit G               |
| 14  | Prevention of accident risks in<br>Business Unit H   | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator                    | 3   | Dec-23                   | Business Unit H               |
| 15  | Raising the awareness of safety officers with regard to the "duty to report safety infringements"              | Performance of a refresher event<br>"Together we are strong"  | 3   | Dec-23                   | Business Unit H               |
| 16  | Raising the awareness of<br>employees with regard to "Health"<br>in Business Unit H                            | Organisation of an AUVA special<br>campaign or a Health Day by the<br>Occupational Medicine Center  | 3   | Dec-23                   | Business Unit H               |
| 17  | Reduction of the ergonomic<br>burden during assembly and<br>material handling with focus on<br>FM29 workplaces | Ergonomy evaluation with<br>ergonomy dummy for additional<br>employee feedback in specific<br>areas   | 3   | Dec-23                   | Business Unit H               |
| 18  | Reduction of accidents of the<br>"crushing & getting caught" type  | Performance of workplace evalua-<br>tions with special focus on crushing<br>risk positions  | 3   | Nov-23                   | Business Unit H               |
| 19  | Reduction of burden due to lifting and carrying  | Training of 40 employees on the<br>subject of "lifting & carrying"  | 3   | Dec-23                   | Business Unit J               |
| 20  | Reduction of the ergonomic<br>burden during assembly and<br>material handling                                  | Ergonomy evaluation with<br>ergonomy dummy for additional<br>employee feedback in specific<br>areas   | 3   | Dec-23                   | Business Unit J               |
| 21  | Prevention of accident risks in<br>Business Unit J   | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator                    | 3   | Dec-23                   | Business Unit J               |
| 22  | Submission of a project in the context of Magna's Sustainability Award 2022                                    | Submission of the project<br>"Screwing with Gloves" in the<br>context of Magna's Sustainability<br>Award 2022   | 3   | Jan-23                   | Business Unit J               |
| 23  | Avoidance of accident risks in the paint shop and in the body shop   | Performance of semi-annual safety<br>walks with general manager,<br>assistant general manager and<br>external safety adviser-coordinator                    | 3   | Dec-23                   | Business Unit<br>Painted Body |

| NO. | OBJECTIVE  | MEASURE  | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT     |
|-----|--|--|-----|--------------------------|-------------------------------|
| 24  | Reduction of accidents at work in<br>the Business Unit Painted Body  | Implementation of special<br>campaigns on accident prevention<br>with qualified external experts   | 3   | Dec-23                   | Business Unit<br>Painted Body |
| 25  | Reduction of accidents at work in<br>Body Shop G of the Business Unit<br>Painted Body  | Ergonomic exercises with<br>employees working on the line by<br>an external specialist company   | 3   | Dec-23                   | Business Unit<br>Painted Body |
| 26  | Raising the awareness of<br>employees with regard to<br>"Prevention of Forklift Truck<br>Accidents" in Business Unit Painted<br>Body                           | Cross-shift training of around 300<br>employees in the BIW G area on<br>preventing risks related to forklift<br>traffic  | 3   | Dec-23                   | Business Unit<br>Painted Body |
| 27  | Prevention of accident risks in the<br>Engineering Center Austria  | Performance of 40 walks and evalu-<br>ation of workplaces  | 3   | Dec-23                   | Engineering Center<br>Austria |
| 28  | Prevention of accident risks in Hall<br>22   | Evaluation of 50 office workplaces   | 3   | Dec-23                   | Engineering Center<br>Austria |
| 29  | Improvements of the ergonomic<br>conditions in the offices of the<br>Engineering Center Austria  | Weekly office workplace evalu-<br>ations (partly with occupational<br>medicine representatives), advice<br>on ergonomic office furniture and<br>(if required) replacement of office<br>chairs and tables | 3   | Dec-23                   | Engineering Center<br>Austria |
| 30  | Raising the awareness of<br>employees on the subject of "Good<br>Movement" in the Engineering<br>Center Austria  | Implementation of a special<br>campaign by AUVA on concen-<br>trating on ergonomic movement<br>patterns  | 3   | Dec-23                   | Engineering Center<br>Austria |
| 31  | Raising the awareness of appren-<br>tices on key subjects such as<br>Accident Prevention, Health at<br>Work, Fire Protection and Environ-<br>mental Protection | Organisation of an apprentice<br>safety day for employees in years<br>one and two of their appren-<br>ticeship   | 3   | Dec-23                   | Human Resources               |
| 32  | Raising the awareness of<br>employees on "Ergonomic<br>Workplace Design"   | Provision of ergonomics advice at at least 20 office workplaces  | 3   | Dec-23                   | Human Resources               |
| 33  | Achievement of AFR objectives with focus on apprentice workshops   | Regular performance of safety<br>trainings and awareness-building<br>in group discussions, on-site<br>walks with occupational medicine<br>representatives, safety officers and<br>master trainers        | 3   | Dec-23                   | Human Resources               |
| 34  | Raising the awareness of employees on "Safety at Work"   | Presentation of an occupational<br>safety subject during (at least) two<br>apprentice employee meetings<br>(focus on accident issues)  | 3   | Dec-23                   | Human Resources               |
| 35  | Raising the awareness of<br>employees regarding the "Use of<br>Fire Extinguishers" in the Infor-<br>mation Technology area                                     | Training of employees on the<br>proper use of fire extinguishers by<br>the company fire brigade  | 3   | Dec-23                   | Information<br>Technology     |
| 36  | Raising the awareness of<br>employees regarding the<br>"Handling of Hazardous<br>Substances" in the Infrastructure<br>Management area                          | Training of employees on proper<br>handling of hazardous substances<br>and correct interpretation of<br>hazard symbols   | 3   | Dec-23                   | Infrastructure<br>Management  |
| 37  | Raising the awareness of<br>employees regarding "Work<br>on Roofs" in the Infrastructure<br>Management area  | Training of employees regarding<br>maintenance and repair of SHEVS<br>on roofs   | 3   | Dec-23                   | Infrastructure<br>Management  |

| NO. | OBJECTIVE   | MEASURE  | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT                   |
|-----|---|--|-----|--------------------------|---|
| 38  | Raising the awareness of<br>employees regarding the "Use of<br>Fire Extinguishers" in the Infra-<br>structure Management area | Training of employees on the<br>proper use of fire extinguishers by<br>the company fire brigade  | 3   | Dec-23                   | Infrastructure<br>Management                |
| 39  | Raising the awareness of<br>employees regarding "Fire<br>Protection" in the Manufacturing<br>Engineering & Logistics area     | Implementation of a fire drill by the company fire brigade   | 3   | Dec-23                   | Manufacturing<br>Engineering &<br>Logistics |
| 40  | Ensuring appropriate emergency<br>care in the Functional Department<br>Quality Management                                     | Performance of an advanced<br>training course or refresher<br>training for first aiders  | 3   | Dec-23                   | Quality Management                          |
| 41  | Raising the awareness of<br>employees on "Use of Fire Extin-<br>guishers"   | Training of employees of the<br>Quality Management department<br>on the proper use of fire extin-<br>guishers by the company fire<br>brigade   | 3   | Oct-23                   | Quality Management                          |
| 42  | Improvements of the ergonomic<br>conditions in the offices of the<br>Functional Department Quality<br>Management              | Information and aware-<br>ness-building among office<br>employees on the subject of<br>ergonomic workplace design with<br>the aim of promoting health and<br>vitality at the workplace | 3   | Dec-23                   | Quality Management                          |
| 43  | Avoidance of accident risks on<br>assembly lines, in the body-in-white<br>shop and in the paint shop                          | Performance of 5 safety walks<br>through the test stations of the<br>Functional Department Quality<br>Management in the productions  | 3   | Dec-23                   | Quality Management                          |
| 44  | Raising the awareness of employees on "Safety at Work"  | Qualification of an additional<br>employee in Marketing as a safety<br>adviser   | 3   | Dec-23                   | Sales & Marketing                           |
| 45  | Improvements of the ergonomic<br>conditions in the offices of the<br>Functional Department Sales &<br>Marketing               | Evaluation of 5 office workplaces regarding ergonomic design   | 3   | Dec-23                   | Sales & Marketing                           |
| 46  | Ensuring appropriate emergency<br>care in the Functional Department<br>Sales & Marketing                                      | Training of three additional first aiders  | 3   | Dec-23                   | Sales & Marketing                           |

# AWARENESS PROGRAM 2023

The awareness achievements listed below are part of the comprehensive sustainability program. Next to the goals and measures, we identify the SDGs to which the measures contribute, the dates for implementation and the areas responsible for the implementation of the required action.

| NO.  | OBJECTIVE   | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT                   |  |  |  |  |  |
|------|---|---|-----|--------------------------|---|--|--|--|--|--|
| Tech | Technical   |   |     |                          |   |  |  |  |  |  |
| 1    | Raising the awareness of managers<br>for "sustainability" at the Thondorf<br>location                                       | Implementation of mandatory<br>sustainability training for managers<br>in the "People Net" training tool  | 4   | Jul-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |
| 2    | Appropriate coordination of the modules of the DeCarb Innovation Camp   | Performance of an advanced<br>training course or refresher<br>training for first aiders   | 4   | Jan-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |
| 3    | Raising the awareness of the<br>Sustainability Core Team regarding<br>"Energy Efficiency and New<br>Processes"              | Participation in DeCarb Innovation<br>Camp Module 4 with focus on<br>emission certificate trading, energy<br>analyses in the company and the<br>legal requirements for energy<br>efficiency in Austria      | 12  | Oct-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |
| 4    | Raising the awareness of the<br>Sustainability Core Team regarding<br>"Sustainability of the Company<br>Fleet"              | Participation in an innovation camp<br>with focus on legal framework,<br>drive technologies, energy supply<br>and potentials for the company<br>fleet   | 12  | Jul-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |
| 5    | Raising the awareness of the<br>Sustainability Core Team regarding<br>"Decision-making Methods and<br>Participation Design" | Participation in DeCarb Innovation<br>Camp Module 9 with focus on<br>decision-making methods, solution<br>findings, digital tools in decision-<br>making and participation design                           | 12  | Jan-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |
| 6    | Raising the awareness of the<br>Sustainability Core Team regarding<br>"Sustainability Management<br>System"                 | Participation in DeCarb Innovation<br>Camp Module 1 with focus on legal<br>framework, SDGs, energy, mobility,<br>waste, environmental and sustain-<br>ability management                                    | 12  | Jan-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |
| 7    | Raising the awareness of the<br>Sustainability Core Team regarding<br>"System Solutions for Industry"                       | Participation in DeCarb Innovation<br>Camp Module 3 with focus on<br>decarbonization technologies,<br>energy system classification in<br>industrial sectors, use of industrial<br>waste and legal framework | 12  | Apr-23                   | Manufacturing<br>Engineering &<br>Logistics |  |  |  |  |  |

| NO. | OBJECTIVE  | MEASURE   | SDG | IMPLEMEN-<br>TATION DATE | RESPONSIBLE<br>DEPARTMENT     |
|-----|--|---|-----|--------------------------|-------------------------------|
| 8   | Awareness-raising regarding<br>"Decision-making Methods and<br>Participation Design" | Participation in DeCarb Innovation<br>Camp Module 9 with focus on<br>decision-making methods, solution<br>findings, digital tools in decision-<br>making and participation design                           | 12  | Feb-23                   | Business Unit<br>Painted Body |
| 9   | Awareness-raising regarding<br>"System Solutions for Industry"                       | Participation in DeCarb Innovation<br>Camp Module 3 with focus on<br>decarbonization technologies,<br>energy system classification in<br>industrial sectors, use of industrial<br>waste and legal framework | 12  | Jun-23                   | Business Unit<br>Painted Body |
| 10  | Awareness-raising regarding<br>"Energy Efficiency and New<br>Processes"              | Participation in DeCarb Innovation<br>Camp Module 4 with focus on<br>emission certificate trading, energy<br>analyses in the company and the<br>legal requirements for energy<br>efficiency in Austria      | 12  | Oct-23                   | Business Unit<br>Painted Body |
| 11  | Awareness-raising regarding<br>"Sustainability Management<br>System"                 | Participation in DeCarb Innovation<br>Camp Module 1 with focus on legal<br>framework, SDGs, energy, mobility,<br>waste, environmental and sustain-<br>ability management                                    | 12  | Mar-23                   | Business Unit<br>Painted Body |
| 12  | Raising the awareness of managers for "sustainability" at the Thondorf location      | Implementation of mandatory<br>sustainability training for managers<br>in the "People Net" training tool  | 4   | Dec-23                   | Business Unit G               |
| 13  | Raising the awareness of employees for "Diversity"                                   | The countries where our<br>employees come from are<br>introduced during the monthly<br>TeamCom. Currently we have<br>employees from approximately 46<br>nations in BU G                                     | 10  | Jan-23                   | Business Unit G               |
| 14  | Raising the awareness of managers for "sustainability" at the Thondorf location      | Implementation of mandatory<br>sustainability training for managers<br>in the "People Net" training tool  | 4   | Dec-23                   | Business Unit H               |
| 15  | Awareness-raising regarding<br>"Sustainability Management<br>System"                 | Participation in DeCarb Innovation<br>Camp Module 1 with focus on legal<br>framework, SDGs, energy, mobility,<br>waste, environmental and sustain-<br>ability management                                    | 12  | Jun-23                   | Business Unit J               |
| 16  | Raising the awareness of managers for "sustainability" at the Thondorf location      | Implementation of mandatory<br>sustainability training for managers<br>in the "People Net" training tool  | 4   | Dec-23                   | Business Unit J               |

# DECLARATION OF THE ENVIRONMENTAL EXPERT & IMPRINT

### DECLARATION OF THE ENVIRONMENTAL EXPERT ON THE APPRAISAL AND VALIDATION PROCESS

The undersigned, Dipl.-Ing. Peter Kroiß, Head of the EMAS environmental verification organization of TÜV AUSTRIA CERT GMBH, 1230 Vienna, Deutschstraße 10, EMAS environmental verifier with registration number AT-V-0008, accredited for

### Group 29.10 "Manufacture of motor vehicles"

confirms to have verified that Magna Steyr Graz complies with all requirements of Regulation (EC) No. 1221/2009 of the European Parliament and of the Council dated November 25, 2009 on the voluntary participation by organizations in a community system for eco-management and audit scheme (EMAS) as amended by Regulation (EU) 2018/2026 of December 19, 2018 in accordance with the information provided in the updated environmental statement of

### Magna Steyr Fahrzeugtechnik GmbH & Co KG

8041 Graz, Liebenauer Hauptstraße 317

with registration number AT-000159.

By signing this declaration, it is confirmed that

- the verification and validation process was conducted fully in compliance with the requirements of Regulation (EC) No 1221/2009 as amended by Regulation (EU) 2018/2026 of December 19, 2018
- the result of the verification and validation confirms that there is no evidence of non-compli- ance with the applicable environmental regulations,
- the data and information in the updated environmental statement of the organization Magna Steyr Graz give a reliable, credible, and truthful account of all activities of the organization within the scope described in the environmental statement.

This declaration is not equivalent to an EMAS registration. An EMAS registration can only be carried out by a competent body in accordance with Regulation (EC) No. 1221/2009. It is not permitted to use this declaration on a stand-alone basis for informing the public.

Vienna, 30.08.2023

Dipl.-Ing. Peter Kroiß

Lead Environmental Verifier

![](_page_61_Picture_17.jpeg)

### Magna Steyr Fahrzeugtechnik GmbH & Co KG

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![](_page_62_Picture_2.jpeg)

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### **IMPRINT**

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Earlier versions of the Performance Report from previous years are available online on our corporate website.

![](_page_62_Picture_9.jpeg)

![](_page_62_Picture_10.jpeg)

![](_page_62_Picture_11.jpeg)