



RAILWAY
SYSTEMS
by voestalpine

ENVIRONMENTAL STATEMENT 2023

voestalpine Rail Technology GmbH

CONTENT

Environmental Statement 2023 according to EMAS III allowing voluntary participation by organizations in a Community Eco-Management and Audit Scheme.

voestalpine Rail Technology (NACE-Code C24.10.-0)

Environmental Management System	3
Organizational Chart	4
Management Policy	6
Material Balance	8
Key Figures	10
Financial statements corporate targets	12
Corporate Goals	14
Legal Compliance	15
EMAS Validation	16



ENVIRONMENTAL MANAGEMENT SYSTEM

Development of environmental protection

Active environmental protection was introduced at the Donawitz site in the seventies. Since the division of the Donawitz site according to corporate law in the nineties, each company has been individually responsible for environmental issues. At the end of 1996, voestalpine Rail Technology GmbH decided to establish and implement an integrated Environmental Management System (EMS). The start of the project to establish an EMS was implemented in September 1997. The validation of the EMS to EMAS-V and certification to ISO 14001 took place in December 1998. A great degree of success has been achieved in the areas of environment and economy by consistent implementation of the defined objectives.

Organization of environmental protection

Environmental protection is an integrated part of management policy and as such is a “management issue”. The management of the company determines the environmental policy and is responsible for the regular monitoring of the Environmental Management System. The assessment takes place by means of an annual management review, in which the results of environmental audits are presented.

The environmental officer reports directly to the Board of Management of the company and is responsible for the application of the management system as well as the implementation of work processes relevant to the environment. In addition, the environmental officer is the central contact point for authorities, customers and the interested public.

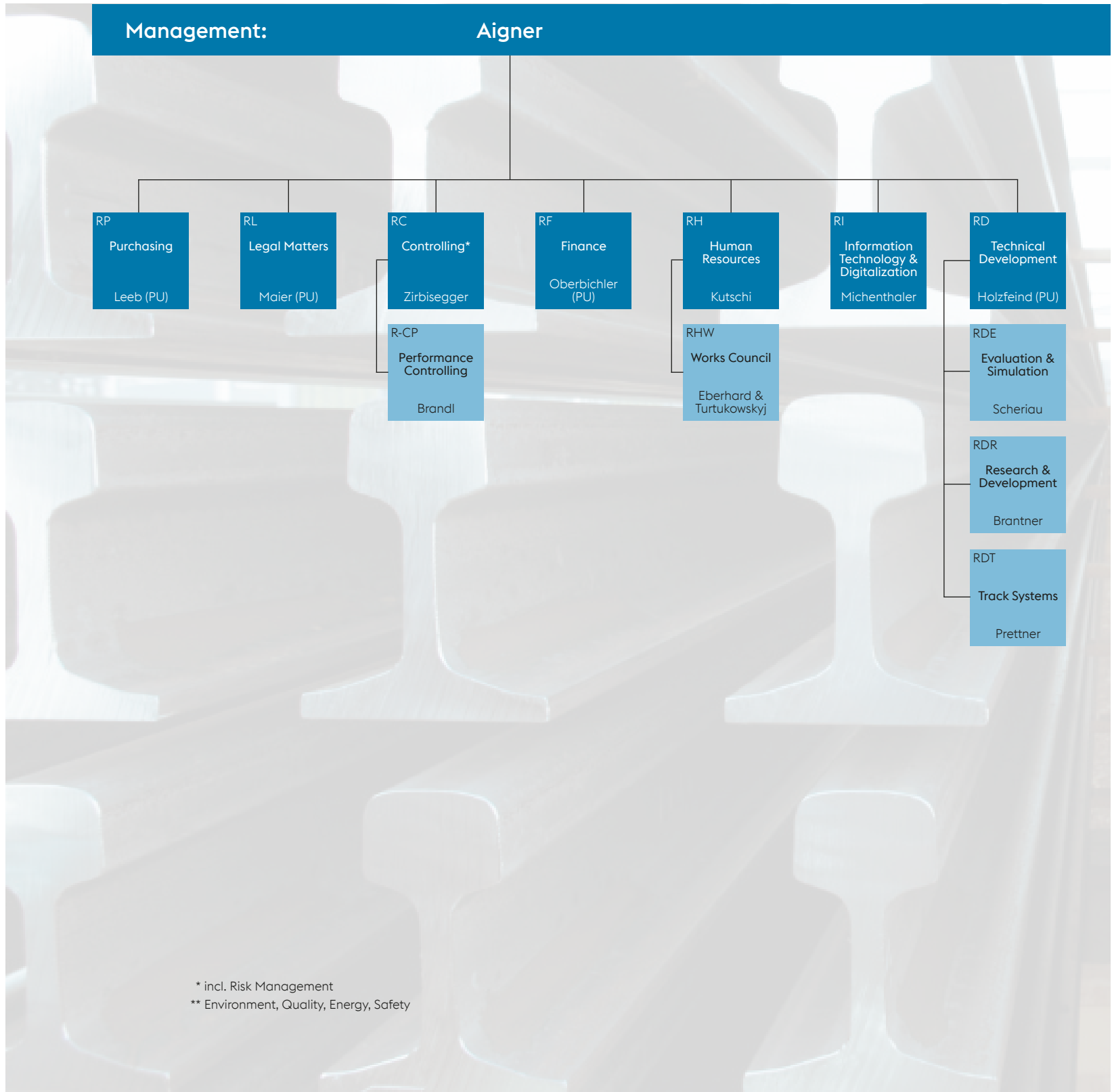
Environmental audits

Independent experts annually review the environmental objectives and the effectiveness of the defined measures. The results of these audits, also named “internal audits”, are summarized in a report called the Management Review. The Board of Management of the company assesses the Management Review and decides to what extent the defined objectives have been achieved. Existing objectives can subsequently be revised and new objectives and measures formulated.



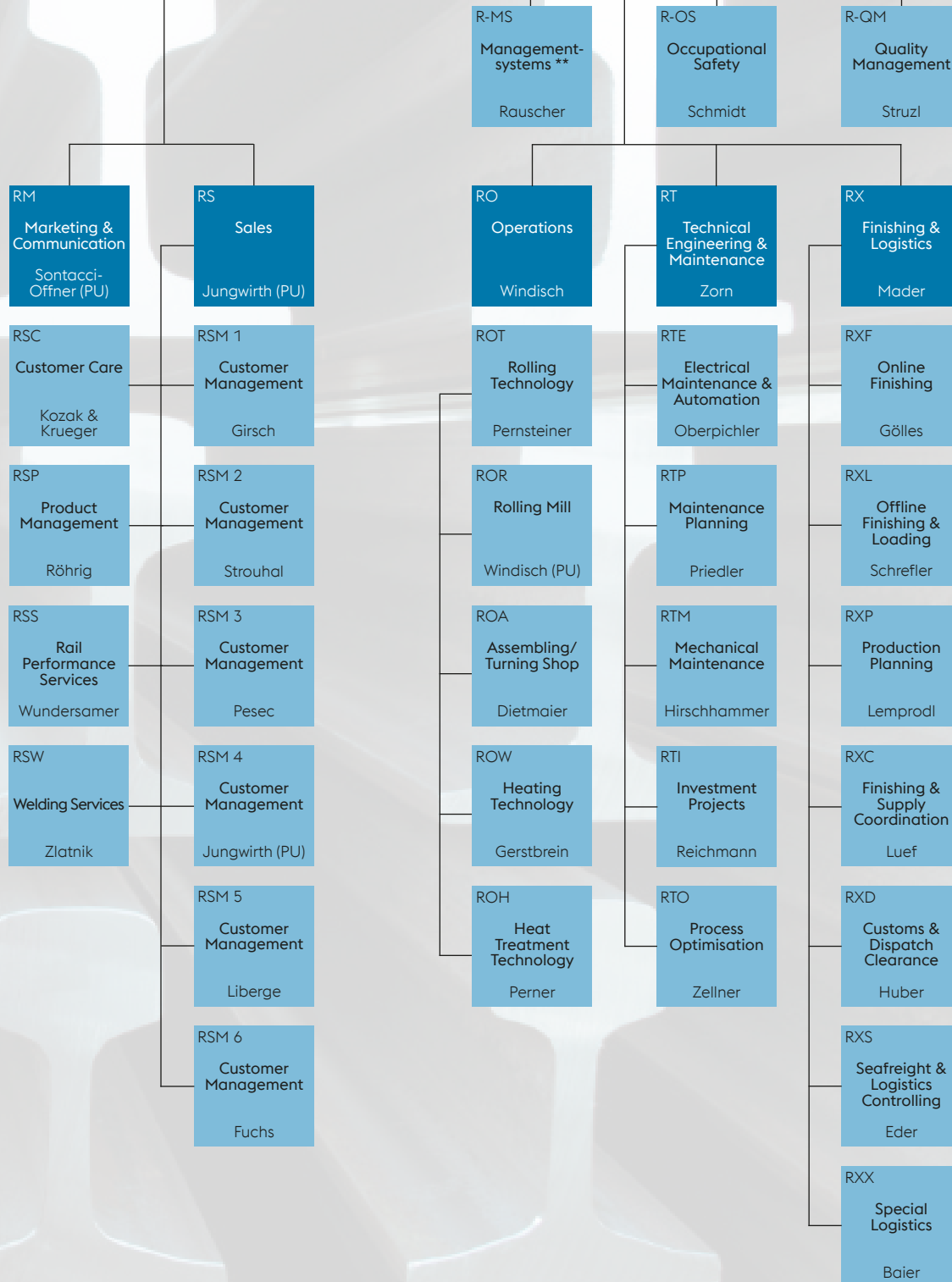
ORGANIZATIONAL CHART

The voestalpine Rail Technology GmbH is part of the voestalpine Group and belongs to the Metal Engineering Division. The detailed structure of voestalpine Rail Technology GmbH is shown in the following organizational chart:



Jungwirth

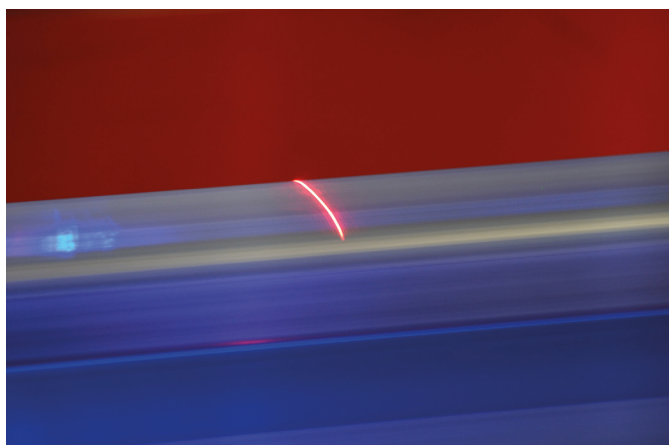
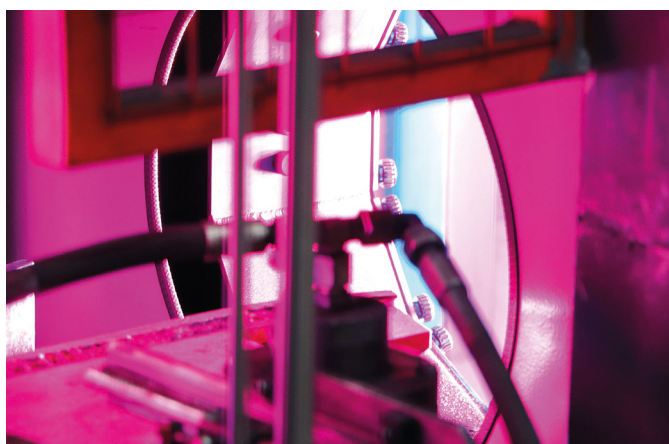
Weiss



MANAGEMENT POLICY

of voestalpine Rail Technology GmbH, May 2022

As an innovative company, voestalpine Rail Technology GmbH is committed to the highest principles of environment, quality, health and safety, and energy. In order to contribute to these matters, the following basic principles were defined in cooperation with all employees. The integrated management system has to meet the requirements of ISO 9001 and ISO 14001, the EMAS Regulations as well as the ISO 45001 and ISO 50001.



Our company gives equal priority to quality, environmental protection, energy conservation, and industrial health and safety. The continuous improvement process (CIP) raises each employee's awareness of his/her responsibility for quality, environmental protection, energy conservation, and industrial health and safety. Training measures consolidate this sense of responsibility. The board of management regularly verifies and assesses the efficiency of the integrated management system.

OUR MANAGEMENT POLICY FOR THE ENVIRONMENT, QUALITY, HEALTH AND SAFETY, AND ENERGY

Our definition of quality is the satisfaction of:

- » the demand and expectations of internal and external clients and suppliers
- » market requirements, in particular just-in-time deliveries of pre-finished, ultralong, head hardened rails
- » development, production and delivery of products and services that meet the customers' demands and expectations

Our definition of conserving the environment and energy:

- » Continuous reduction of environmental impact
- » Compliance with environmental and energy relevant legislation and other compliance obligations
- » Consideration of the environmental impact during development, production, delivery and recycling of our products
- » Prevention of accident-related emissions and continuous checks on compliance with the environmental policy and targets
- » An open communication with the general public, customers, suppliers and the authorities
- » External partners working on the plant in accordance with our environmental rules
- » Best possible protection of resources
- » Continuous improvement of energy efficiency
- » Best possible use of available energy
- » Procurement of energy-efficient products and services
- » Design-related operations, which include optimization of energy-related performance

Our definition of health and safety is:

- » Compliance with the labor protection law and other requirements the organization is obliged to comply with
- » Protection and promotion of the health of our staff by active preventive action
- » Open communication with staff, stakeholders and authorities
- » Continuous development and implementation of accident prevention measures, prevention of work-related diseases and promotion of health topics
- » Continuous improvement of the industrial health and safety performance
- » Continuous determination of risks, risk assessment and risk control of hazards for staff and third parties
- » Commitment of all staff and contract parties to comply with industrial health and safety regulations as well as active contribution
- » A permanent target of age-based working



Eva Aigner



Nadja Jungwirth



Dietmar Weiss

MATERIAL BALANCE INPUT

Quantities FY 2022/23

	Quantity	Unit
Raw materials:		
Steel blooms for rails and permanent way material	590,853	t
Auxiliary and operating media:		
Oils and lubricants	142,568	kg
Metal rolls	671	t
Refractory products	8	t
Acetylene (gas)	589	m ³
Packing material	19,660	kg
Wood	1,581	m ³
Heating Oil	1,200	l
Petrol	6,183	l
Diesel	21,256	l
Energy sources:		
Natural gas	262,669	MWh
Electricity	41,831	MWh
Compressed air	24,618,324	m ³
Oxygen	2,000	l
Water:		
Hot water	8,401	MWh
Drinking water	16,697	m ³
Pure water	1,944,211	m ³

OUTPUT

Quantities FY 2022/23

	Quantity	Unit
Rails, input stock and superstructure profiles	560,149	t
Scale	7,327	t
Scrap incl. plant scrap	28,738	t
Non-hazardous waste	138,549	kg
Hazardous waste	459,356	kg
NOx	23,739	kg
CO ₂ *	46,868	t
CO	1,384	kg
Process waste water	1,944,211	m ³
Waste heat production (WBF)	55,633	MWh

* The CO₂ data is checked during the annual CO₂ verification audit by Lloyd's Register.



KEY FIGURES

FY 2022/23

The following key figures refer to the tonnes of rails produced,
Steel pre-material and track profiles (total output 560.149 t)

	Quantity 2022/23	Unit	Key Figure 2022/23	Key Figure 2021/22	Key Figure 2020/21
Oils, lubricants and chemicals	560,149	t	560,149	552,261	525,416
Natural gas	312,901	MWh	0.559	0.572	0.604
Electricity	1,960,908	m ³	3.501	3.562	3.736
Compressed air	459,356	kg	0.820	0.914	1.254
Hot water	138,549	kg	0.247	0.211	0.344
Drinking water	23,739	kg	0.042	0.044	0.060
Pure water	46,868,000	kg	83.671	86.720	91.661
Material efficiency		%	94,80	95,21	93,86

Reference value for the FY

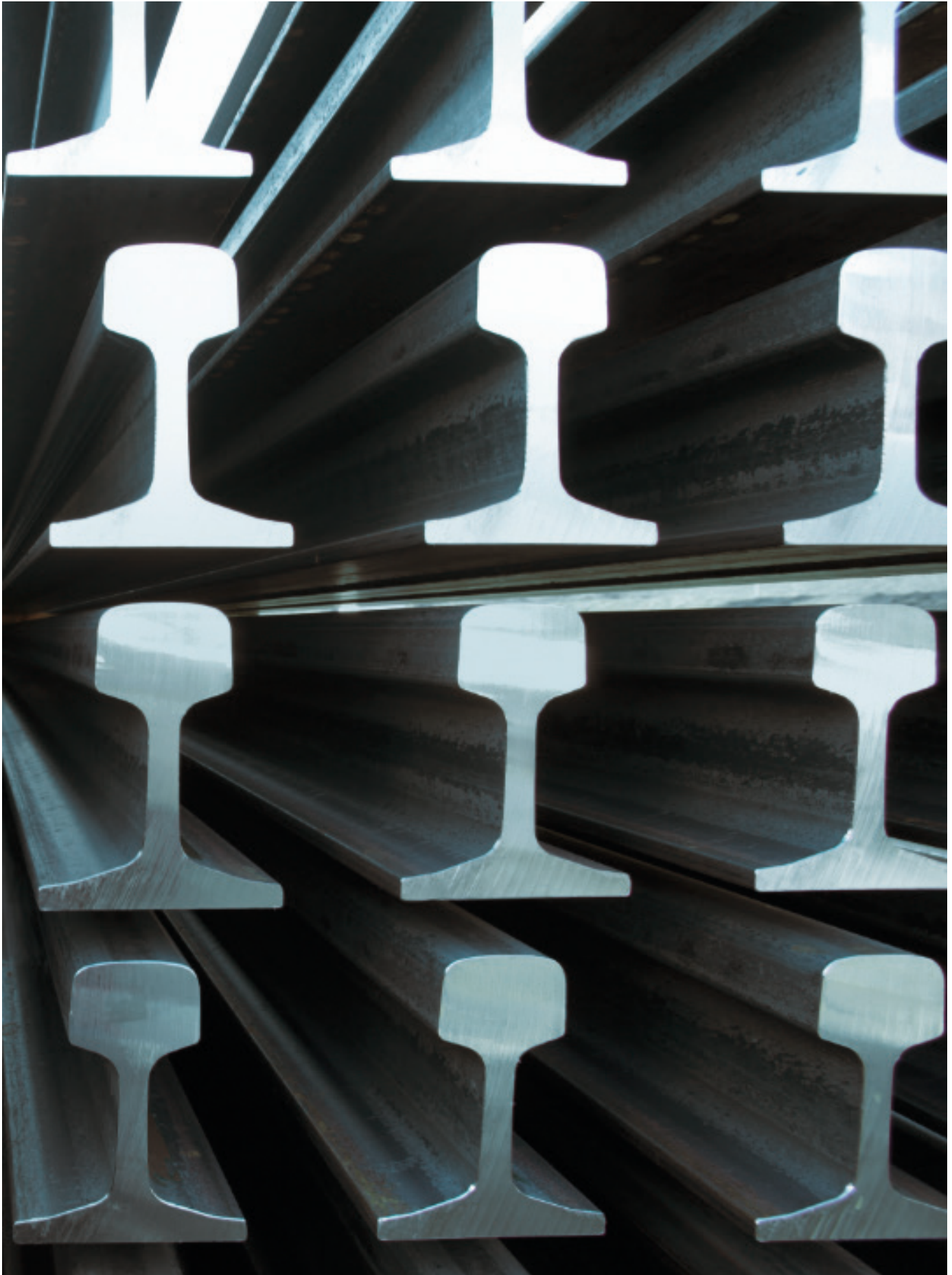
	FY 2022/23	FY 2021/22	FY 2020/21	Unit
Rails, steel primary materials and rail sections	560,149	552,261	525,416	t



FINANCIAL STATEMENTS CORPORATE TARGETS

FY 2022/23

Subject area	Target	Assessment
occupational safety	<ul style="list-style-type: none"> » Safety comes before performance » This principle is lived by everyone, the employees and the managers, in their daily activities! » Reduction of LTIFR -10% compared to previous FY 	<p>✗ 22 Reportable accidents this results in an LTIFR of 18.8; old FY 11.7</p>
health	<ul style="list-style-type: none"> » Holidays are for recreation, » Increase in consumption by 0.5% compared to the last FY 	<p>✓ -2.1 Reduction in holiday days was implemented, which corresponds to 6.49 %.</p>
	<ul style="list-style-type: none"> » Implementation of examples for better workplace design (processes, communication, cooperation) in the operating areas 	<p>✓ Investment programme and master craftsman improvement programme was implemented</p>
customers/market	<ul style="list-style-type: none"> » Implement new product division (semi-finished products via the UFR route) up to transport logistics 	<p>✓ Investment plan was implemented accordingly</p>
production	<ul style="list-style-type: none"> » Further increase in the Overall Equipment Effectiveness (OEE) value by 1 percentage point through the company's programme of measures 	<p>✗ 60.83 (last FY) to 60.69 (this FY)</p>
	<ul style="list-style-type: none"> » Living cross-location cooperation in order to leverage common, sustainable, future-oriented potentials 	<p>✓ Topics were implemented accordingly</p>
quality	<ul style="list-style-type: none"> » Development of a common, internal understanding of quality and implementation of process, organizational and investment measures for further increases in output in this and next FY 	<p>✓ Planned topics have been implemented (meeting routines, rolling aisle decommissioning has been started, staff run-off control, ...) the effect has already partially materialised</p>
environment, energy	<ul style="list-style-type: none"> » Further reduction of the specific energy consumption of key units (walking beam furnace) as part of the CO₂ program of the previous year by 1.5% 	<p>✓ 0.387 MWh/to (last FY) to 0.377 (this FY) 2.5 %!</p>
environment	<ul style="list-style-type: none"> » Resource conservation by reducing metallurgical additives and packaging/shipping materials 	<p>✓ Corresponding programme for reduction of alloying agents was implemented, CIP ideas on the environment were implemented to the same extent.</p>
	<ul style="list-style-type: none"> » Resource conservation by reducing traffic volume (CO₂ savings) through remote working 	<p>✓ Employees use the rules, in agreement with the operational requirements and the superiors.</p>



CORPORATE GOALS

FY 2023/24

Subject area	Target
Occupational safety	» "Safety before performance", is the basis of what we do, this principle is lived by everyone, employees and managers, in everyday life! Specifically, we want to improve the LTIFR by 10% compared to the last FY
Health	» We are jointly striving to raise the health rate from 93.8% (FY 22/23) to 94.3% once again in the coming FY
Personal	» We want to be an attractive employer. Employees should enjoy working for us and be motivated. They are our future, which leads to a significant improvement of the engagement value in the first step > 23 % points (to the basis FY 22/23)
Customers/Market	» Expansion of market presence 340 Dobain HSH through further pilot installations
Production	<p>» The OEE value (Overall Equipment Effectiveness) measured by the UFR, describes the interaction of plant availability, production output and product quality (from the raw material store to loading). We want to increase these key figures by 0.5 %</p> <p>» Cross-site cooperation, in particular between the steel mill and the rail rolling mill, and joint utilization of sustainable, future-oriented potentials</p>
Quality	» The goals continue to be error prevention, less rework, and yield improvement - to reduce workload and conserve resources - while increasing mix complexity and performance
Environment, Energy	» Conservation of resources (natural gas, electricity, water, compressed air, ...) is the focus; to this end, the energy efficiency program is being implemented, which also includes the use of new energy sources for our key aggregates (walking beam furnace)



LEGAL COMPLIANCE

A list of the applicable laws, regulations and EU-standards are constantly observed through the externally maintained database Lextool and the responsible persons are informed of changes. In the case of uncertainties, the legal department is consulted. To ensure legal compliance, the consolidated official notification for the whole voestalpine Rail Technology GmbH was set up in April 2009 and approved by the local authority (Leoben).

In the case of new facilities or changes at existing facilities the projects are again approved by the local authority and official notifications are added alongside the existing consolidated official notification. The resulting requirements were checked at random within the scope of the environmental inspections in 2014, 2017 and 2020 and found to be in order. The voestalpine Rail Technology GmbH is an indirect discharger and processes its waste waters according to precise indirect discharger contract with voestalpine Stahl Donawitz GmbH in the defined quality and quantity.

The voestalpine Rail Technology GmbH implements energy efficiency measures on an ongoing basis, which are reported to the energy supplier once a year. Internal energy audits are carried out annually. The report of the energy audit according to §9 EEffG is sent to the Austrian Energy Agency (monitoring body) by means of a group report.

The guarantee of legal compliance is assessed in the frame of the management review at least once a year by the management.

EMAS VALIDATION

This site operates an environmental management system and its environmental performance is reported to the public in accordance with the community eco management and audit scheme on the industrial environmental protection of this site (reg. no. at-000183).

The responsible environmental expert authorised to sign EMAS is Dipl. Ing. Christian Reznér

TÜV SÜD Landesgesellschaft Österreich GmbH, Franz-Grill-Straße 1, Arsenal, Objekt 207, 1030 Wien, Registration number AT-V-0003, confirm the inspection, that the site or the entire organization, respectively, as stated in the environmental declaration of the organization **voestalpine Schienen GmbH, Kerpelystraße 199, 8700 Leoben, with registration number AT-000183** fulfils all requirements of the Regulation (EC) No. 1221/2009 of the European Parliament and of the Council of 25 November 2009 on the voluntary participation by organizations in a community eco-management and audit scheme (EMAS).

With the signature of this declaration, we confirm that:

- » Assessment and validation were performed in full compliance with the requirements of regulation (ec) no. 1221/2009, version RG VO 1505/2017 and EC Regulation 2018/2026 were carried out
- » The results of assessment and validation confirm that there is no evidence for non-compliance with applicable environmental regulations

The environmental expert organization TÜV SÜD Landesgesellschaft Österreich GmbH has been authorised for the C24.10-0 (NACE-Code 2008) via notification by the federal Ministry of Agriculture, Forestry, Environment and Water management.

Leoben, 24th of May 2023



Landesgesellschaft
Österreich



The managing environmental experts authorised to sign of
TÜV SÜD Landesgesellschaft Österreich GmbH
Franz-Grill-Straße 1, Arsenal, Objekt 207, 1030 Wien

Our environmental officer, Hermann Rauscher, would be delighted to provide you with more detailed information regarding the latest environmental statement, the environmental objectives of the company and environmental measures taken so far.

Contact: Ing. Hermann Rauscher
Environmental officer
Kerpelystraße 199, 8700 Leoben, Austria
Phone: +43 50304-26-3473
Telefax: +43 50304-66-4954
E-Mail: hermann.rauscher@voestalpine.com
Web: www.voestalpine.com/schienen



voestalpine Railway Systems
www.voestalpine.com/railway-systems

voestalpine
ONE STEP AHEAD.