



PERFORMANCE IN WIRE

voestalpine Wire Rod Austria GmbH

»THE PATH IS NOT EASY,
BUT TOGETHER WE WILL
ACHIEVE THE GOAL
OF CLIMATE NEUTRALITY
BY 2050.«

DEAR LADIES AND GENTLEMEN!

Protecting our environment and achieving global climate targets are values that we share and to which we are committed. The necessary **technological transformation to climate-neutral production** confronts us and the entire European steel industry with major challenges. The conversion of our steel production and further processing to sustainable production technologies with a significantly reduced CO₂ footprint is a path that we can only take together.

The focal points of our group-wide sustainability strategy in the ecological area are therefore CO₂ reduction, resource conservation, and the circular economy. These efforts are scientifically supported by the Science Based Targets Initiative (SBTi).

The following sections provides detailed information focusing on our climate strategy and greenhouse gas emissions, as well as on the sustainability aspects of “Social & Society” and “Compliance & Corporate Governance” in our company.

We would like to invite you to work with us to develop possible improvements in both of our companies so that we are prepared for future challenges and can thus be ONE STEP AHEAD together.

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PERFORMANCE IN SUSTAINABILITY

Do you already know our
sustainability website?

Here you will find an
overview of our vision,
goals, sustainability
strategy, measures and
success stories.



[LINK](#)





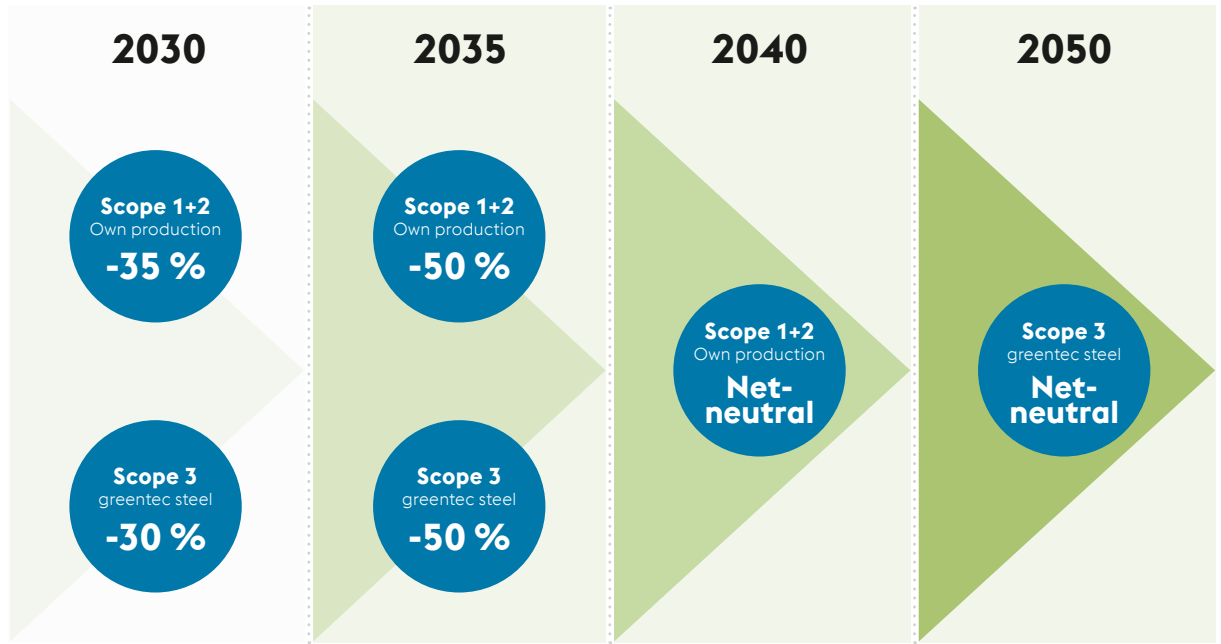


Illustration 1: CO₂ reduction targets voestalpine Wire Technology, base year is calendar year 2018

CLIMATE OBJECTIVES

Our Vision: A Carbon-Neutral Economy.

By 2030, we aim to reduce our direct emissions (Scope 1) and indirect emissions from energy procurement (Scope 2) by 35 %. At the same time, we are committed to cutting indirect

emissions across our entire value chain (Scope 3) by 30 %.

By 2035, we plan to achieve a 50 % reduction in both Scope 1 and Scope 2 emissions, alongside a 50 % reduction in Scope 3 emissions.

Our operations will be net-zero for Scope 1 and 2 emissions by 2040.

Looking further ahead, our long-term vision is to achieve full net-zero emissions across Scope 1, 2 and 3 by 2050.



greentec
steel

ROADMAP 2 ZERO

Climate strategy



Illustration 2: Climate strategy voestalpine Wire Technology

An ambitious goal requires ambitious planning. To achieve the goal of CO₂ neutrality, we have developed a Roadmap 2 Zero.

Detailed information can be found in our environmental statement online.



[LINK](#)

greentec steel – OUR WAY TO A GREEN FUTURE

greentec steel is a key voestalpine AG project on the road to sustainable and environmentally friendly steel production. The ambitious project comprises a step-by-step plan which aims to achieve **CO₂-neutral steel production by 2050**. From 2027, voestalpine AG will take a significant step towards reducing CO₂ emissions by using electric arc furnaces powered by green electricity. This step will enable a reduction of up to 30 %, which corresponds to around 5 % of Austria's annual CO₂ emissions. greentec steel will thus become the country's largest climate protection program.



Further information on greentec steel can be found at:



[LINK](#)

GREENHOUSE GAS BALANCING

GHG emissions from 2018 to 2024 were accounted for in accordance with the GHG Protocol standard. An improvement in directly controllable Scope 1 & 2 emissions of approximately 29 % in absolute terms and approximately 25 % in specific terms was achieved.

voestalpine Wire Rod	Einheit	2018	2019	2020	2021	2022	2023	2024
Scope 1	t CO ₂ -äq	44,510	39,050	32,480	41,560	38,570	34,790	33,920
Scope 2	t CO ₂ -äq	2,810	2,000	800	1,330	1,160	1,090	1,060
Scope 3	t CO ₂ -äq	1,205,620	1,030,680	868,520	1,097,240	1,002,220	913,270	831,090
Gesamt	t CO ₂ -äq	1,252,940	1,071,730	901,800	1,140,130	1,041,950	949,150	866,070

Table 1: GHG emissions 2018-2024 (including raw material)

Scope 2 emissions: Calculated using the market-based method in accordance with the electricity supplier's specifications

Scope 3: Purchased goods, Transport & Distribution (up-/downstream), Fuel & Energy, Waste, Business Travel

voestalpine Wire Rod	Einheit	2018	2019	2020	2021	2022	2023	2024
Scope 1	t CO ₂ -äq / t	0.10	0.10	0.11	0.11	0.11	0.11	0.12
Scope 2	t CO ₂ -äq / t	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Scope 3	t CO ₂ -äq / t	2.82	2.75	2.88	2.90	2.84	2.83	2.85
Gesamt	t CO ₂ -äq / t	2.93	2.86	2.99	3.01	2.95	2.95	2.97

Table 2: Specific GHG emissions 2018-2024 (including raw material)

Scope 2 emissions: Calculated using the market-based method in accordance with the electricity supplier's specifications

Scope 3: Purchased goods, Transport & Distribution (up-/downstream), Fuel & Energy, Waste, Business Travel

Environmental Product Declarations (EPDs) were created for three product categories of voestalpine Wire Rod Austria GmbH (see Table 3) and verified in accordance with the EN 15804+A2 standard. This verification was carried out by the Institut Bauen und Umwelt e. V. (Institute for Construction and Environment).

voestalpine Wire Rod	Einheit	As rolled	Surface treated	Annealed
Global Warming Potential (A1-A3)	t CO ₂ -äq / t	2.75	2.76	2.95

Table 3: Environmental Product Declarations (EPDs)

The EPDs are available online as downloads:



[LINK](#)

CIRCULAR ECONOMY & RECYCLING RATE

As a material, steel can be almost fully recycled, as all resulting products can be fully recycled as scrap at the end of their service life, as many times as needed. Resource-friendly production requires product service lives to be extended and the reusability and recyclability of products to be continuously improved. Own scrap and external scrap are thus an important raw material base, both for conventional technology (use in steelworks) and for the envisaged conversion to electric arc furnaces (EAF).

The **recycling rate** for voestalpine steel was calculated in accordance with the definitions of ÖNORM EN ISO 14021 and refers exclusively to the raw materials purchased from voestalpine Stahl Donawitz.

Both post-consumer and pre-consumer shares are taken into account. The so-called internal scrap share is also included in the total recycling rate.

Recycling rate ÖNORM EN ISO 14021	25 %
Post-consumer scrap	9 %
Pre-consumer scrap	16 %

Recycling rate gesamt	33 %
Post-consumer scrap	9 %
Pre-consumer scrap	16 %
Internal scrap	8 %



SUSTAINABLE ENERGY & ENVIRONMENTAL PROTECTION

25 % of voestalpine Wire Rod's electricity requirements are covered by renewable energy sources, with around 75 % coming from the utilization of by-products in the form of process gases from steel production. At our Donawitz site, we are focusing on expanding renewable energy sources and operate several hydroelectric and photovoltaic plants with a total capacity of 55 GWh at the voestalpine Wire Rod and voestalpine Stahl Donawitz sites, as well as power purchase agreements (PPA) with the Karlschacht ground-mounted PV plant. In the field of wind energy, we have power purchase agreements (PPA) with the Stanglalm and Hochpürschtling wind farms.

In addition, our energy management system is certified according to ISO 50001 and our environmental management according to ISO 14001 and EMAS. Detailed information on water consumption, wastewater, waste, and our environmental program can be found in our environmental statement in the download center on our homepage.

You can find our environmental statement at this link:



[LINK](#)

INCREASED ENERGY EFFICIENCY – IN BILLET HEATING FOR WIRE ROLLING MILLS

Billets are heated to high temperatures in the walking beam furnace at our wire rolling mill. By specifically **optimizing the operating mode**, we were able to **reduce natural gas consumption** by around 2 % while maintaining the same production volume. This means **savings of around 2,500 MWh** of natural gas per year—and a corresponding **reduction in CO2 emissions of around 440 tons per year**.



REDUCTION OF ELECTRICITY CONSUMPTION IN THE PUMP HOUSE

To ensure a reliable supply of cooling water to the wire mill, the company **operates its own pump house**, which circulates up to 4,000 m³ of water per hour. By installing the latest **energy-efficient pump technology**, adapting the plant automation and control systems, and optimizing pump operating times, **electricity consumption has been significantly reduced**. These targeted measures have led to **annual savings of around 1,000 MWh**.



OPTIMAL USE OF THE HOT WATER CIRCUIT

When billets are heated to around 1,100 °C in the wire rolling mill, **large quantities of hot water are produced**. This water is fed into a closed circuit and initially used to cool the transport system in the walking beam furnace. It is then **used to heat sanitary facilities, workshops, media rooms, and aggregates in the wire finishing process**.

Optimization measures in the secondary hot water circuit – in particular, increasing the temperature level – have significantly improved the utilization of the available heat. The result: **savings of around 450 MWh of primary energy per year**.



SOCIAL SUSTAINABILITY

The voestalpine Wire Technology Group and its subsidiaries are not only internationally successful but are also an active part of society around their sites. We support charitable projects in the areas of education, youth, culture and social affairs. We are committed to a shared set of values and aim to improve the lives of people in the areas surrounding our sites.

We attach great importance to health & safety, diversity, as well as appreciation & promotion of our employees. We create a corporate culture

– true to our values of quality, innovation, flexibility and sustainability – in which we demand and promote the individuality of all employees and their abilities, regardless of gender, age, origin, religion, sexual orientation or any impairment. Particular attention is paid to female empowerment, which is anchored as a strategic field of action in our HR strategy.

We see Group-wide safety standards and our excellent health management as the foundation of a successful Health & Safety corporate culture

for implementing our zero-accidents strategy with the vision “Zero accidents at work and no work-related illnesses”.

You can find more information in our [Annual Report](#):



[LINK](#)

COMPLIANCE & CORPORATE GOVERNANCE

As a reliable partner, we feel responsible in our dealings with our customers, suppliers, employees and other business partners. Our Code of Conduct supports voestalpine Group employees in the responsible performance of their business activities. It is the basis for morally, ethically and legally impeccable behavior by all employees of the Group.

We have implemented an efficient compliance management system with the pillars “risk analysis/prevention”,

“detection” and “response”. Compliance violations must be avoided. The aim is therefore to ensure that all employees are sensitized and aware of the Group’s guidelines.

In accordance with our Code of Conduct for Business Partners, our business partners are obliged to take measures to minimize negative impacts on human rights and the environment along their supply chain.

You can find further information in our **Code of Conduct for Business Partners**:



[LINK](#)

voestalpine Code of Conduct:



[LINK](#)

SERVICES & CERTIFICATIONS

- » **Decarbonisation strategy “Roadmap 2 Zero”** in implementation
- » **SUPPLIERASSURANCE (SAQ 5.0)**: B94 Score for voestalpine Wire Rod
- » **EcoVadis**: Gold for voestalpine Wire Rod (TOP 5 %)
- » **IntegrityNext**: Sustainability profile for Wire Technology Group
- » **EMAS III and certifications** according to ISO 14001, ISO 45001, ISO 50001, ISO 9001, IATF 16949
- » **Environmental Product Declarations (EPD)** for three product groups in voestalpine Wire Rod Austria GmbH
- » Compliance with Directives for **REACH, RoHS, PFAS, POPs** und **TSCA**, as well as declaration for **radioactivity (Euratom)** and **Responsible Minerals Initiative (CMRT, EMRT)**
- » voestalpine AG is part of the **Science Based Targets initiative (SBTi)**
- » **CDP (Carbon Disclosure Project)**: “B”-Ranking of voestalpine AG in the category Climate Change, “B”-Ranking of voestalpine AG in the category Water
- » Annual **Corporate responsibility report** (ESRS-conformity) of voestalpine group
- » voestalpine group commitment to the **Responsible Steel Initiative** and the **worldsteel Sustainability Charter**
- » voestalpine AG is – thanks to **Environmental, Social and Governance (ESG) Anstrengungen** – part of the **FTSE4Good Index** and the **Dow Jones Sustainability Index (DJSI)**



Integrity Next: [LINK](#)



EMAS III & Certification: [LINK](#)



Annual report: [LINK](#)



