



## greentec steel— OUR PATH TO A GREEN FUTURE

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**greentec steel is an ambitious and feasible phased plan with which voestalpine can make a valuable contribution to achieving the climate goals.**

In a first step starting in 2027, voestalpine will reduce its CO<sub>2</sub> emissions by up to 30% by partially replacing its current coal-based blast furnace technology with electric arc furnace technology powered by green electricity. This represents almost 5% of Austria's entire annual CO<sub>2</sub> emissions, making greentec steel the country's largest climate protection program.

### INITIAL MILESTONES

The approval of the EUR 1.5 billion investment in two electric arc furnaces (EAFs) by the voestalpine Supervisory Board in spring 2023 marked the first

important step towards green steel production. Now, the construction of the EAFs has officially been given the go-ahead with the groundbreaking ceremonies that took place in Linz and Donawitz in fall 2023.

Construction work starts in 2024, and one electric arc furnace will go into operation at each of the sites in Linz and Donawitz in 2027. A key prerequisite for implementing this first phase is sufficient availability of green electricity at competitive prices. From 2030, voestalpine plans to take the next big step towards long-term CO<sub>2</sub>-neutral steel production by replacing another blast furnace at each of the sites in Linz and Donawitz.



From 2027, one electric arc furnace at each of the sites in Linz and Donawitz will go into operation, marking an important milestone for greentec steel, Austria's largest climate protection program.

## CO<sub>2</sub>-NEUTRAL STEEL PRODUCTION BY 2050

voestalpine's long-term aim is CO<sub>2</sub>-neutral steel production by 2050. To this end, the Group is already researching into several new processes, and investing in pilot projects exploring new pathways in steel production. Hydrogen will play an important role here.

## QUALITY AND TECHNOLOGY LEADER IN GREEN STEEL

Producing high-quality steel grades while simultaneously reducing emissions is one of the major challenges in the transition to green steel production. With its materials and processing expertise, voestalpine is assuming the quality and technology leadership in this field. The Group supplies its customers with CO<sub>2</sub>-reduced, high-quality premium steel products, allowing them to take a significant step in the sustainable design of their supply chains.



# -30%

in CO<sub>2</sub> emissions possible from 2027 through the use of electric arc furnace technology powered by green electricity.

## MILESTONES ON THE PATH TO GREEN STEEL PRODUCTION

- 2022**  
 Supervisory Board gives green light for **climate-friendly steel production**: start of preliminary work
- 2023**  
 Supervisory Board approves **investment in electric arc furnaces (EAF) in Linz and Donawitz**  
**Groundbreaking ceremonies for the EAFs** in Linz and Donawitz
- 2024**  
**Start of construction** for the two electric arc furnaces
- 2027**  
**Commissioning** of one electric arc furnace at each of the sites in Linz and Donawitz
- From 2027**  
 Annual **production of 2.5 million tons of CO<sub>2</sub>-reduced steel**
- From 2030**  
**Replacing another** blast furnace at each of the sites in Linz and Donawitz
- 2050**  
**Achieving CO<sub>2</sub>-neutral steel production**

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ONE STEP AHEAD.