

## INNOVATION MEETS RESPONSIBILITY

voestalpine sets new standards in machinery with premium steel that combines efficiency and sustainability. Our clear goal is steel production processes with net zero carbon emissions by 2050. But even today, we offer steel in the greentec steel Edition with a reduced carbon footprint in proven voestalpine premium quality.

Our alform® and durostat® steels and their product properties make a significant contribution to resource conservation and sustainability:

- » High hardness and excellent resistance to wear
- » Longer service life and maintenance intervals
- » Significant weight savings
- » Reduced fuel consumption



PREMIUM QUALITY
WITH REDUCED
CARBON FOOTPRINT

## Our clear plan:

2024

Construction began on two electric arc furnaces

2027

**Commissioning** of two electric-arc furnaces, one in Linz and one in Donawitz, and decommissioning of two coalbased blast furnaces.

From 2027

2.5 million tons of CO2-reduced steel per year

By 2029

Objective: -30% CO<sub>2</sub> emissions

From 2030 to 2035

**Replacing another** blast furnace at each of the sites in Linz and Donawitz

The target: 50% reduction in CO<sub>2</sub> emissions

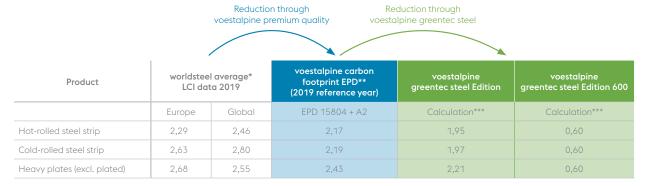
2050

Achieving steel production with net zero CO<sub>2</sub> emissions



## PREMIUM STEEL WITH A REDUCED CARBON FOOTPRINT

The steel grades developed by voestalpine for the machinery segment are characterized by high strength and excellent wear properties. This opens up completely new design possibilities with a reduced carbon footprint.



Note: Unit in ka CO2e/ka product (unless specified otherwise)

- Blast furnace and EAF routes

  EPD = Environmental Product Declaration, a neutral tool for communicating the environmental impact of a product based on its lifecycle assessment
- \*\*\* Pursuant to EN 15804+A2 (EPD methodology) cradle to gate, worldsteel CML 2001-2016 also possible upon customer request (system expansion)

All products, dimensions and steel grades listed in each voestalpine supply range are available as greentec steel Edition and greentec steel Edition 600.

## REDUCED CARBON FOOTPRINT RESULTING FROM SMART MATERIAL SELECTION

A great deal can be improved with a clever selection of materials, which is illustrated by the skipster scrap charging box. The use of alform® 700 M in the skipster lowers its weight by 27% when compared with conventional steel boxes with the same capacity, e.g. S235. The decision in favor of alform® 700 M leads to a CO2 reduction of 30%. The use of greentec steel Edition products further reduces the footprint.



<sup>\*</sup> The CO<sub>2</sub> reductions result from the combination of weight savings and lower carbon footprints when compared with the European average



www.voestalpine.com/alform/en/Sustainability



www.voestalpine.com/durostat/en/Sustainability



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