



CO₂ NEUTRALITY

INTRODUCTION

Management statement: At Isabelenhütte, we are dedicated to leading the way in CO₂ neutrality. We actively pursue every opportunity to minimize our carbon footprint through the adoption of cutting-edge energy-efficient technologies, renewable energy sources, and comprehensive sustainability measures. Beyond reducing emissions, we take responsibility for offsetting any remaining carbon through investments in high-impact CO₂ compensation projects, including reforestation and renewable energy initiatives across Europe. Our unwavering goal is to attain CO₂ neutrality for Scope 1 and Scope 2 by 2030, as we contribute to a sustainable, climate-resilient future.

STRATEGIC GOALS

Recording	Expand our energy management system to establish comprehensive transparency.
Efficiency	Continuously increase energy efficiency and reduce overall demand.
Generation	Generate energy from renewable sources to cover more of our energy needs.
Substitution	Prioritize the procurement of emission-neutral energy sources across our operations.
Compensation	Invest in premium quality emission certificates to offset unavoidable emissions.

OPERATIONAL MEASURES

- 2024**
 - Expansion of a PV system with 500 kWpeak (Dillenburg)
 - Achieve a 38% reduction in natural gas consumption compared to our 2019 baseline
- 2023**
 - Commission a 40 kWpeak PV system (Dillenburg)
 - Install heat recovery systems from compressed air (Dillenburg & Manderbach)
- 2022**
 - Commission a 125 kWpeak PV system (Manderbach)
 - Install an e-charging infrastructure with 33 charging points
 - Expand the local heating network (Dillenburg)
 - Install heat recovery systems from melting blocks (Dillenburg)
- 2020**
 - Achieve CO₂ neutrality (Scope 1 and 2) through strategic offsetting
- 2013**
 - 100% heating and cooling energy coverage for our office building via a geothermal heat pump
 - Obtain initial certifications under DIN EN ISO 14001 and DIN EN ISO 50001

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