

Low-carbon SHG Zinc



ZINC will play an important role in the sustainable transition to achieve the goal of the net zero CO₂ emissions by 2050 set by the EU. Thanks to the unique properties of zinc, it can be used in a wide range of areas such as infrastructure, consumer goods, batteries, and industrial products – all of which play an important role in the transition to renewable energy, energy efficiency and circular economy.

1%



BATTERIES

17%



INFRASTRUCTURE

49%



CONSTRUCTION

22%



TRANSPORT

6%



CONSUMER PRODUCTS

LOW-CARBON SHG ZINC

Zinc mining and smelting activities are known to generate significant amounts of greenhouse gas emissions. However, as a leading sustainability metals and mining company, Boliden is well positioned to supply a SHG zinc with a low carbon footprint. Boliden's favourable integration of own mines and smelters, located in Sweden, Finland, Norway and Ireland enables the company to produce SHG zinc with less than 1.6 kg of CO₂eq emissions per kg of SHG Zinc, significantly lower than the global average presented by the International Zinc Association (IZA).

Boliden's Low carbon SHG Zinc offering

One of the lowest carbon footprint of any refined zinc in the world.



Boliden Low-carbon SHG Zinc - <math><1 \text{ kg CO}_2\text{eq/kg Zinc}</math>

Boliden's low carbon SHG Zinc is mined at Boliden's own mines in Sweden, and Ireland, using a clean energy. This gives the product one of the lowest carbon footprint of any refined zinc in the world. By using Boliden Low-carbon SHG Zinc, the carbon footprint of your zinc will be reduced significantly compared to other available alternatives.

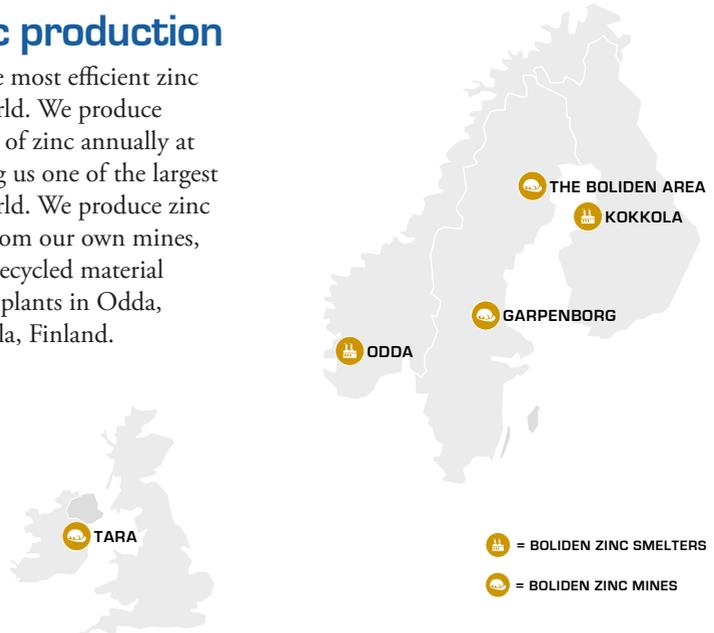


Boliden Recycled SHG Zinc - <math><3.8 \text{ kg CO}_2\text{eq/kg Zinc}</math>

At Boliden we are at the heart of the circular economy by recycling various metals from secondary materials from various industries. By efficiently recovering all the metals that have been circulated in society the need for new mines can be held at a minimum, and that is why we are happy to present Boliden Recycled zinc - a zinc metal from 100% recycled raw materials.

Boliden zinc production

Boliden is one of the most efficient zinc producers in the world. We produce around 500 ktonnes of zinc annually at our smelters, making us one of the largest producers in the world. We produce zinc from concentrates from our own mines, external mines and recycled material at our zinc smelting plants in Odda, Norway, and Kokkola, Finland.



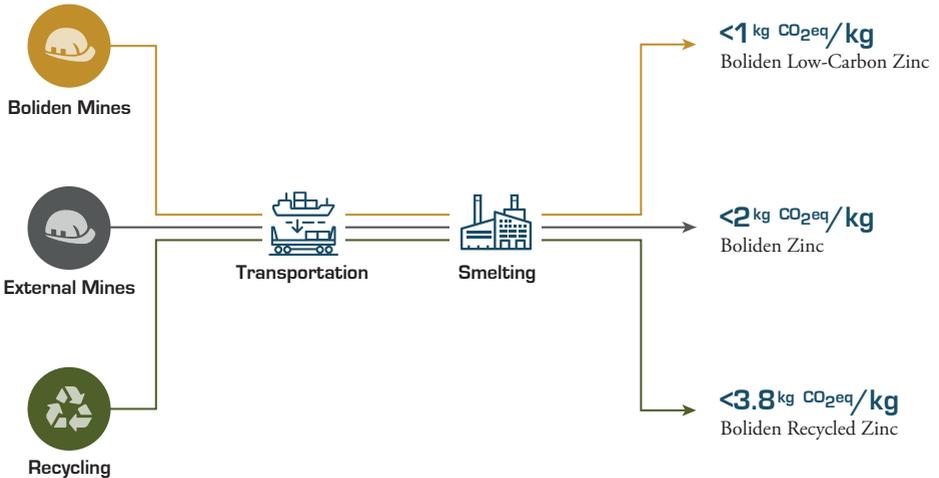
Verified

The reporting protocol against which assurance was conducted to is the Greenhouse Gas Protocol – Product Life Cycle Accounting and Reporting Standard and reviewed against the general principles in ISO 14064-3 Standard (Greenhouse Gases – Part 3: Specification with Guidance for the Validation and Verification of Greenhouse Gas Assertions).¹

¹ Carbon Footprint of Boliden Main Metals including Limited Assurance Statement from Intertek, December 2020
https://www.boliden.com/globalassets/operations/products/copper/green-copper/carbon-footprint-of-boliden-main-metals_2021_executive-summary.pdf

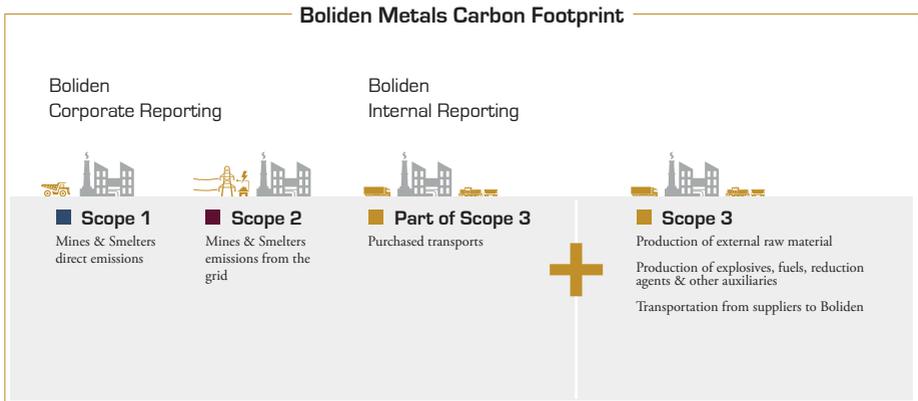
Full transparency

Boliden's extensive calculation model gives a transparent view of the emissions throughout the value chain. The calculation model is verified by Intertek (www.intertek.com) and assures that the numbers presented are correct.



All materials and emissions included

Boliden follows the principles in ISO 14064-3 and GHG Protocol Produce Life Cycle Accounting Reporting Standard, which is using a comprehensive methodology when calculating the CO_2eq emissions, including scope 1, 2 and 3, to take into account of the emissions that are generated by third parties, such as the production of explosives and fuels used at Boliden's sites.





Did you know that...

Our mines are among the safest in the world. Because automation allows us to make workplaces that are already safe even safer for our employees, our mines are becoming increasingly digitized.

The goal is to keep production running non-stop round-the-clock, and through our sustainability work Boliden will continue to contribute with the metals that are needed in today's modern society and for climate transition.

Boliden Low-carbon Zinc contacts:

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About Boliden

Boliden is a metals company with a focus on sustainable development. Our roots are Nordic, our market global. Our core competence lies within the fields of exploration, mining, smelting and metal recycling. Boliden has around 6,000 employees and an annual turnover of SEK 50 billion. The share is listed in the Large Cap segment on NASDAQ OMX Stockholm.