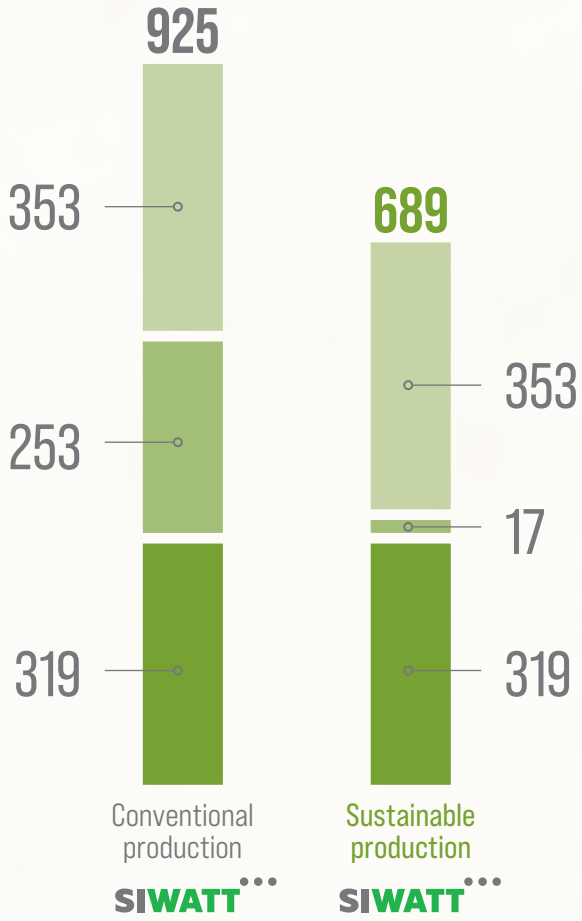

## **SIWATT** full scope 1–3 cradle to gate

Thanks to using recycled input material, our Scope 1 has always been among the lowest worldwide. Now, our efforts are focused on lowering our Scopes 2 and 3. We are proud to say that we can offer a sustainable line of non-oriented electrical steel produced with purely renewable energy sources.




# 25%

## lower carbon footprint for sustainably produced SIWATT

Scope 3
Scope 2
Scope 1

kg $CO_2$/t finished product

## **Scrap** ratio

While we never use iron ore or pig iron, we do have to add some pure alloying elements to our steel products to guarantee the required chemical composition. We minimise this amount of raw materials by carefully sorting and selecting our steel scrap to come as close as possible to the desired chemical composition with recycled material. See how much scrap was used on average in our SIWATT electrical steel products in 2023.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# LIVING CIRCULAR ECONOMY
## before it was cool

**More than 35 years of experience producing demanding steel grades from recycled steel scrap.**

Back in 1987, SIJ Acroni shut down the last blast furnaces and started up the first electric arc furnace. For almost four decades, we have been recycling steel scrap into high-quality steel products. With the dedication to quality and sustainability, we gathered extensive experience which guarantee top quality of even the most demanding steel products.

**Proud recipient of the ResponsibleSteel certification**

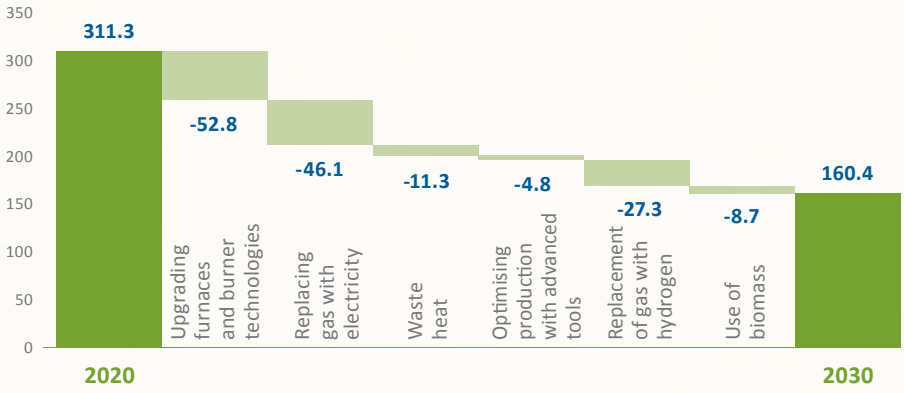
Our efforts have been recognised. As part of SIJ Group, we have received ResponsibleSteel certification and placed Slovenia on the global map of sustainable steel production. This achievement underscores our unwavering dedication to environmental stewardship, community engagement, and the well-being of our workforce. Among only 13 steel groups worldwide to attain this certification, we stand as pioneers in forging a greener, more responsible future for the industry. Less than 7 % of world steel is produced by ResponsibleSteel certified steel plants.

**Among the best in low $CO_2$ emissions**

With the closure of blast furnaces and the roll-out of recycling technology, SIJ Acroni achieved its $CO_2$ emissions targets more than three decades ago, and they are now considered the steel industry benchmark.

With specific emissions of 267 kg $CO_2$/t crude steel (Scope 1) and a total of 1279 kg $CO_2$/t crude steel (Scopes 1+2+3) in 2023, SIJ Acroni ranks among the world's most efficient steel producers on $CO_2$ emissions intensity according to World Steel Association.

**By 2030, SIJ Acroni will reduce the $CO_2$ intensity (Scope 1) by 49 %.**




**$CO_2$ Intensity reduction of SIJ Acroni**

## OUR GOAL IS TO ACHIEVE NET ZERO EMISSIONS BY 2050.

**100 %** of our steel is made **from recycled steel scrap** in an electric arc furnace. We use magnetic separation to purify and increase the quality of scrap. This helps us reduce our environmental impact and increase the quality of the final product.

**98 % of waste** generated during our production process, such as steel scrap and slag, is **recycled or otherwise reused.**

**100 %** of our steel can be **endlessly recycled.**

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