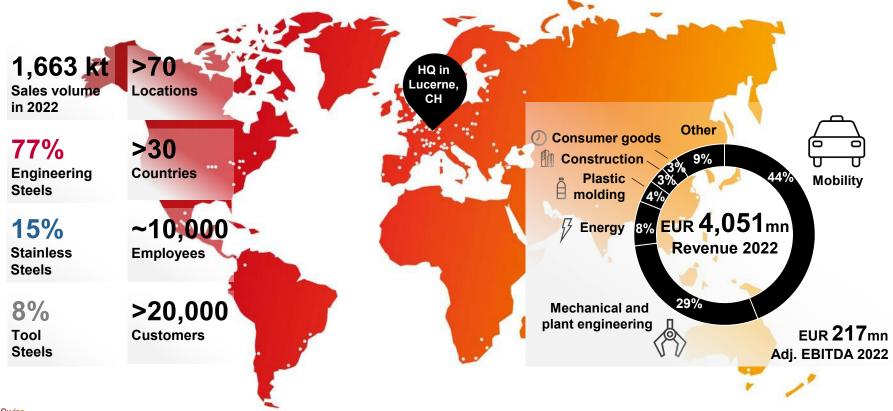
Green Steel World – Decarbonization in a European context

Robert Baron Corporate Strategy Swiss Steel Group

Essen 4th April 2023



Swiss Steel Group is one of the leading suppliers of special long steel solutions

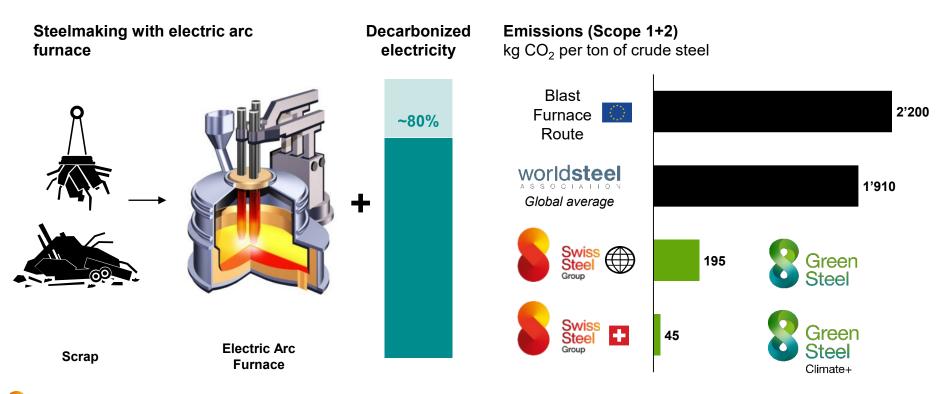




Source: Swiss Steel Group

SSG for Green Steel World | April 2023 2

SSG's production is 100% EAF-based, marking our products 'green by nature'

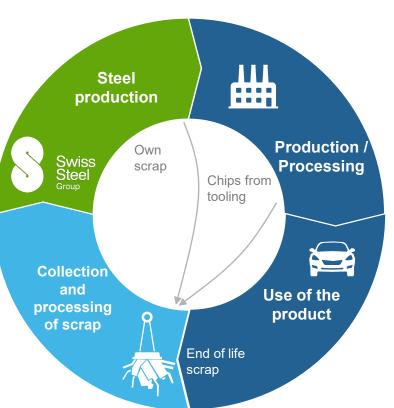




Our use of scrap as a raw material makes us experts in circular economy







94%
Recycled metallic input materials

~2 mn
Tons of scrap
per year

>100 Scrap types



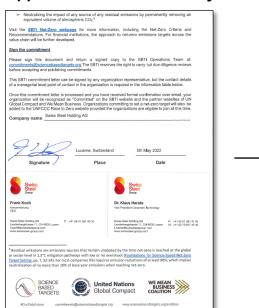
Source: Swiss Steel Group SSG for Green Steel World | April 2023

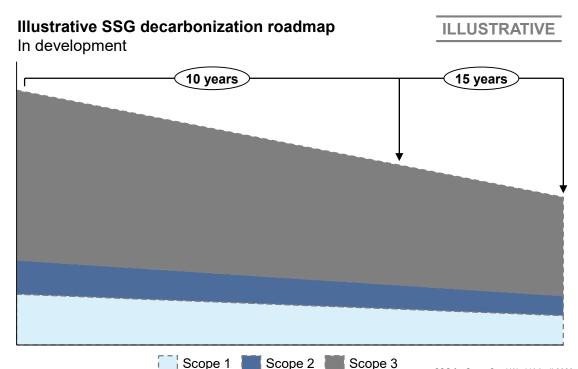
We continue to move forward: We are committed to SBTi and will validate our decarbonisation roadmap this year





Approved commitment May 2022



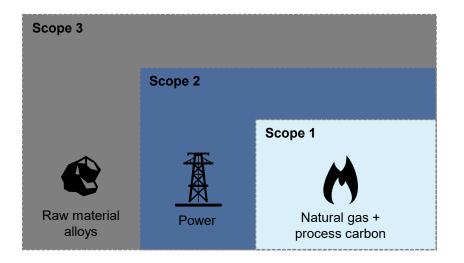




Source: Swiss Steel Group

Emission Scopes 1-0-1

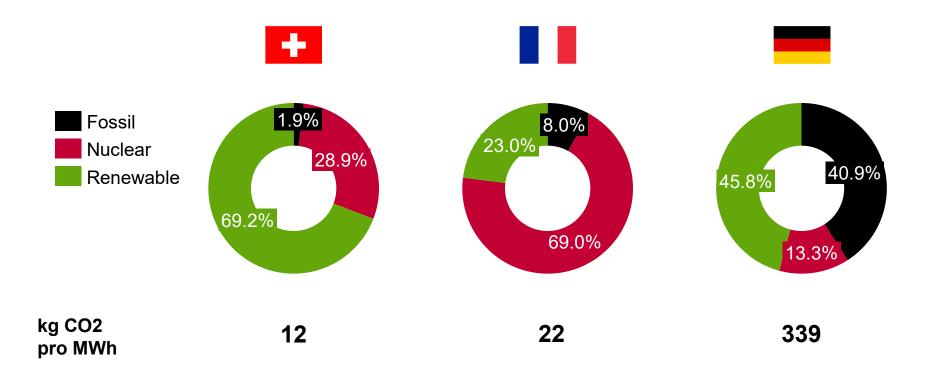
Emissions %-split per ton and main emitting sources





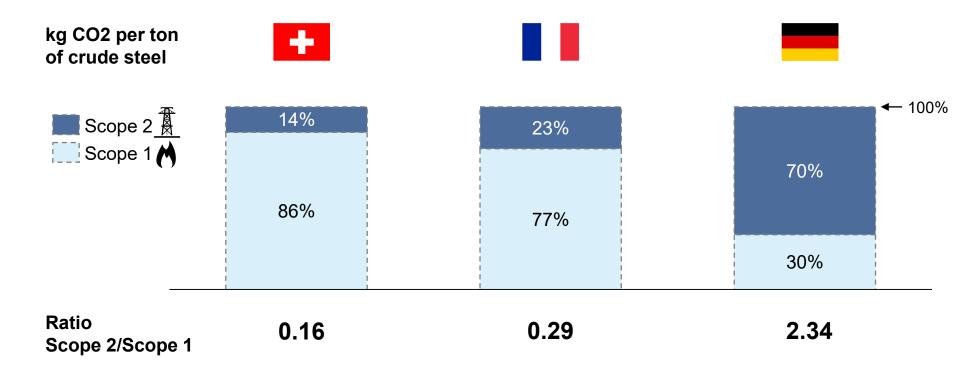
Source: Swiss Steel Group; GHG Protocol SSG for Green Steel World | April 2023

Electricity mix 2021 in comparison





Emissions per ton of crude steel in 2021 in comparison

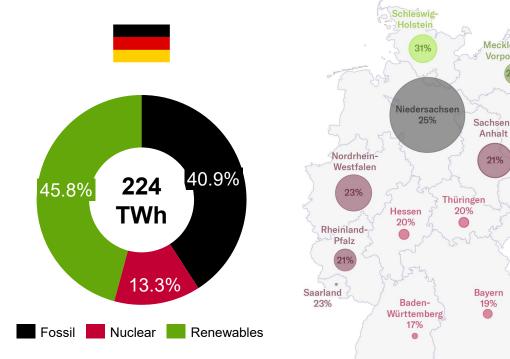


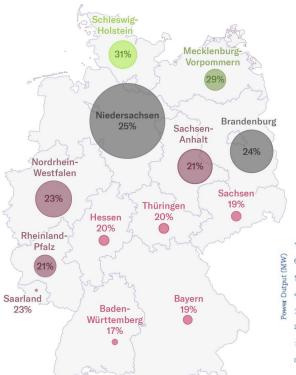


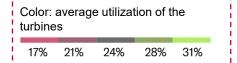
Source: Swiss Steel Group

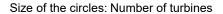
Germany must invest massively in renewable energies and rethink

its energy policy





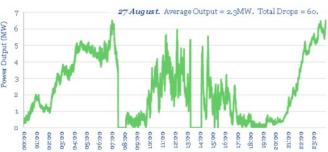








18'000 of 28'000 onshore turbines examined

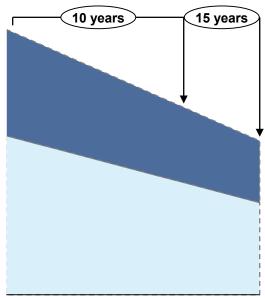




Decarbonisation challenges differ depending on country

Illustrative SSG decarbonization roadmap

Only Scope 1 & Scope 2









Exemplary decarbonization measures	+		
Local power mix	✓	✓	×
Green power certificates	(✓)	(√)	(√)
PPAs	✓	✓	✓

Electrification	✓	✓	×
Biogenic/recycled carbon carriers	(√)	(√)	(√)
Green hydrogen	(√)	(√)	×





Scope 1 Scope 2



Different types of green steel products offered

Current offer

Offer under development

Productcategories





Green Steel Climate+







NET-ZERO

Description

Swiss Steel Group produces steel exclusively with EAF technology and promotes recycling and the circular economy. The result is a total product offering with significantly lower carbon emissions compared to the industry average.

Green Steel Climate+ comprises products with a further reduced carbon footprint. These portfolio. It offers our products are produced exclusively with electricity from renewable sources. such as wind, water or solar.

Green Steel Stainless+ is aligned with our stainless steel customers a stainless steel product produced with a scrap content of at least 95%.1

Green Steel Climate + H2 includes not only products produced exclusively with energy from renewable sources and green hydrogen.2

The Green Steel Net Zero product offers customers steel with fully compensated carbon emissions.



Source: Swiss Steel Group SSG for Green Steel World | April 2023

We can provide you with the total product footprint of your individual product so you can control your upstream emissions

Scope 1+2+3 emissions of exemplary grades

kg CO2 per ton finished product

Our sites and products are certified







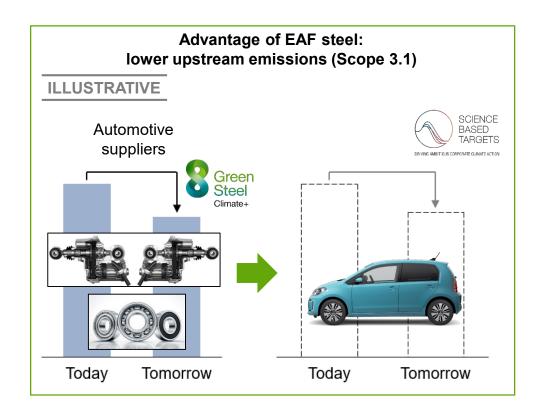






Green Steel from EAF producers hold answers to decarbonization questions – but holistic, cross-sector solutions are key for success

- SSG EAF has a low CO2
 footprint empowering
 customers to a lower footprint
 today
- Procuring SSG EAF steel helps you and your customers reduce upstream emissions





Source: Swiss Steel Group; ZF; Schaeffler, VW

Together.
For a future that matters.

