CLIMATE GROUP
STEELZERO

Impact on the Ground

Hear from our members on their SteelZero commitment in practice

In partnership with Responsible Steel standards & certification

April 2026

About

SteelZero is a global corporate initiative led by Climate Group, uniting organisations committed to accelerating the transition to a net zero steel industry. Members pledge to use 100% net zero steel by 2050 at the latest.

This case study collection accompanies the SteelZero Impact Report, highlighting five years of progress across industry, demand and policy. The following 14 case studies were submitted by SteelZero members and reflect their own experiences and perspectives.

Members featured:

Barrett Steel

Delivering impact through lower emission steel solutions

In just two months, Barrett Steel, the UK's largest independent steel stockholder, alongside fellow SteelZero member and steel fabricator, J&D Pierce, delivered 1,200 tonnes of steel with a lower emissions profile for an EV charging van park and warehouse in North East England. Rolled to bespoke lengths to minimise waste, the project met strict deadlines and demonstrated what is possible through innovation, partnership, and commitment to sustainability.
We have procured a total of 5,000 metric tonnes of lower emission steel.

This is not an isolated success. Barrett Steel now supplies more recycled and renewably produced steel in the UK and Ireland each year than any other stockholder. We are also committed to leading by example: we constructed our Groveport Distribution Centre (Scunthorpe, UK) using 650 tonnes of steel with a lower emissions profile.

Our commitment goes beyond individual projects. We continue to monitor and report annually on our carbon footprint, ensuring tangible year-on-year reductions. By pioneering whole-of-market emissions reporting, we actively support our customers in designing and specifying steel with a lower emissions profile, helping them achieve their own sustainability objectives. Together, these actions show how Barrett Steel is turning its SteelZero commitment into measurable action – leading the way on a credible pathway to net zero.

Barrett Steel Limited are the UK's largest steel stockholder with over 150 years of heritage. Family owned, the group is made up of 29 sites and holds over 120,000 tonnes of steel stock. Barrett Steel is committed to providing innovative and exceptional service by continuously investing in the latest processing machinery and materials handling equipment.

BHC

Innovation and collaboration for low emission steel

As a proud signatory to the SteelZero initiative, BHC Ltd. is accelerating its journey towards net zero steel by embedding carbon transparency, supplier collaboration, digital innovation, and on-site renewable energy within its decarbonisation strategy. We recognise that transforming the steel supply chain is central to achieving the UK's net-zero climate goals and we are working closely with steelmakers, industry bodies, and government to drive measurable change.

Engagement for Decarbonisation

BHC's procurement strategy is founded on active collaboration with leading steelmakers to support their transition to cleaner production. While several European electric arc furnace (EAF) producers supply lower emission steel that meets ResponsibleSteel Decarbonisation Level 2, we also recognise the importance of decarbonising UK steelmaking to ensure industrial resilience and local economic sustainability.

We maintain continuous dialogue with European and UK steel producers on their decarbonisation roadmaps. These discussions focus on aligning future product supply with the growing market for certified low-carbon steel and ensuring that domestically produced steel remains a part of the transition to a low-carbon economy.

Through our active role within the British Constructional Steelwork Association (BCSA) and our contributions to the Department for Energy Security and Net Zero (DESNZ), BHC helps shape policy frameworks designed to expand the market for low-carbon industrial products. In parallel, BHC works closely with its clients, offering guidance and technical advice on how steel can be decarbonised through responsible sourcing, design optimisation, and the selection of lower-emission materials.

Future direction and digitalising SteelZero reporting

Through our SteelZero commitment, we have combined supplier engagement, digital innovation, and policy advocacy into a cohesive decarbonisation strategy. Central to this is the automation of SteelZero reporting through BHC's in-house developed CC+ application suite.

This innovative system enhances data integrity and streamlines carbon tracking by integrating SteelZero reporting into a bespoke digital platform that automates embodied carbon data collection, verification, and reporting. CC+ consolidates Environmental Product Declarations (EPDs), mill certificates, and supply chain data directly from manufacturers, providing a single, transparent view of carbon performance across all procurement activities.

The platform enables BHC to generate automated, SteelZero-compliant reports with traceable emissions data for every tonne of steel procured. It also supports supplier benchmarking and lifecycle analysis, ensuring that procurement decisions remain fully aligned with BHC's science-based target. Our reporting submission to SteelZero for the 2024 reporting period indicates that 43% of the steel we used is on track to meet the SteelZero 2030 interim criteria of being either "lower emission steel" or coming from a steelmaker with a validated science-based target – demonstrating clear and measurable progress towards the initiative's goals.

BHC Ltd. was formed in 1992 with the capacity to fabricate 30 tonnes of structural steel per week. Since then it has grown in strength and stature and can now process 800 tonnes of structural steel per week to service the Agricultural, Commercial, Education, Gas and Oil, Health, Industrial and Power sectors.

CIMC TCREA

Lowering emissions through steel procurement and innovation

Since joining SteelZero, CIMC TCREA has taken concrete actions to advance the procurement and application of lower emission steel.

We have procured a total of 5,000 metric tonnes of lower emission steel, including:

1. Offshore engineering steel, produced via electric arc furnace (using scrap steel), with carbon emissions of approximately 0.3 tonnes per tonne of steel.

2. Stainless steel for mobile devices, with 90-95% of the content sourced from recycled material.

3. Cold-rolled steel for automotive parts, achieving a 30% reduction in carbon emissions.

Collaborative innovation and a closed-loop system:
We have partnered with over ten clients to explore and develop applications for lower emission steel. A key initiative is our closed-loop recycling project for stainless steel in consumer electronics. We collect scrap steel from mobile component manufacturers and return it to the mill to be remelted into new, certified stainless steel, effectively closing the loop.

Market engagement and challenges:
We are actively engaging with a growing number of automotive and consumer electronics clients interested in “green” steel. The primary hurdles to conversion, which we believe are critical for the market to address, are the significant cost premium and the lack of a unified, authoritative standard for defining and verifying “green” steel, which complicates customers' sustainability claims. This is one of the primary reasons we are part of SteelZero: to help drive stronger global alignment on definitions, thresholds, and standards.

Shenzhen CIMC TCREA Supply Chain Co., Ltd. is an innovative enterprise directly under the CIMC and a strategic material supply chain business. It leverages the group’s long-term development and brand popularity in the iron and steel, chemical and other industries to serve omni-channel clients with internal services, material trade, metal processing and circulation supplies.

GEA Group

Low emission steel as an enabler for decarbonisation at GEA

Decarbonisation requires a solid strategy — which is why we developed our Climate Transition Plan 2040. The plan targets a 60% reduction in operational emissions (Scopes 1 and 2) by 2026 and 80% by 2030, while cutting value chain emissions (Scope 3) by 27.5% in the same period. Both the 2030 milestones and GEA's Net Zero 2040 ambition have been reviewed and approved by the Science Based Targets initiative (SBTi).

As part of our circularity and decarbonisation strategy, we are also reducing the carbon footprint of stainless steel — which makes up 80–90% of its purchased material volume. Through our SteelZero membership, we at GEA have committed to sourcing 100% net zero steel by 2050 and achieving at least 50% lower emission or certified steel by 2030.

This pledge supports our science-based targets and underscores our commitment to transparency and sustainability across the supply chain. A core element of this commitment is understanding where the steel we use originates, how it is produced, and what proportion comes from recycled sources.

These parameters are not only embedded in our procurement decisions, but also reflect the expectations placed on our customers by us. For example, our customers are starting to request a detailed list of suppliers, including product-specific primary data, so that they can make an informed decision about which supplier should supply us with the raw materials for our products.

To accelerate progress, we actively collaborate with suppliers who share these values and who can provide verified data on emissions and material circularity.

A concrete example of this approach is our sourcing of low-emission stainless steel

for our Bönen, Germany, production site. In 2024, we conducted our first survey of steel suppliers using a questionnaire that we developed with SteelZero. The survey gathered data on steel quantities, grades, production methods, and related emissions. The resulting material, supplied by a leading European stainless steel manufacturer, carries a carbon footprint roughly 90% lower than conventional steel. This milestone marks an important step in our journey towards decarbonised manufacturing and enhanced traceability in material sourcing.

Our ambition to increase transparency across the value chain requires reliable primary data to support fact-based sourcing decisions. At GEA Group, we currently uses a spend-based modelling approach, which is increasingly being validated through the first sets of primary data received from suppliers. We are now working systematically to increase the share of supplier-specific, verified data in its calculations. Over time, we aim to collect information such as material weights, origin, product carbon footprints and recycling shares directly from suppliers to build a more accurate emissions baseline and drive continuous improvement across our network and with partners.

However, experience so far shows that providing such detailed data remains a major challenge for our suppliers, particularly when materials move through multiple tiers of the supply chain such as traders, distributors, service centres or workshops. It also remains unclear which standards for calculating and reporting this data will ultimately prevail, an issue we are working to address with peers and industry associations.

GEA is one of the world's largest systems suppliers for the food, beverage and pharmaceutical sectors. Their portfolio includes machinery and plants as well as advanced process technology, components and comprehensive sectors.

Gunnebo Entrance Control

How SteelZero is shaping Gunnebo's climate strategy

Joining SteelZero has led Gunnebo Entrance Control to adopt SteelZero and ResponsibleSteel definitions of lower emission and net zero steel within our Green Claims Policy and Sustainability A-Z documents, improving clarity and transparency in how we communicate ourenvironmental impact. Understanding the importance of standardised and clear definitions, we have also proactively worked to improve clarity and alignment across Gunnebo Group, including in other business units.

Steel is the primary material in many solutions across Gunnebo Group and sits in the top five heavily-emitting materials of purchased goods and services. This makes the use of lower emission steel important for us to achieve our Scope 3 reduction targets and becoming a net zero business.

To make this transition and drive demand for lower emission steel by adopting its use in our products, understanding the steel industry's complex supply chain is important. Being a member of Climate Group's SteelZero initiative assists Gunnebo Entrance Control in both these goals.

The implications of a move towards lower emission steel affect many areas within the business, from purchasing to manufacturing, and so we have used our Sustainability Forum to share knowledge on lower emission steel gained through our membership of SteelZero.

The forum focused on what lower emission steel is, pathways to accelerate the transition and how Gunnebo Entrance Control can play a role in this. Colleagues across Gunnebo Group attended this forum and, inspired by the progress so far, Gunnebo Safe Storage has now committed to transition to using 50% lower emission steel by 2030. Gunnebo Group has also adopted both lower emission steel and net zero steel definitions. Together, the business is gaining an understanding of the challenges faced by steel suppliers, while also encouraging the industry to transition through a collective commitment to procuring lower emission and net zero steel.

As a Certified Signatory of The Anti-Greenwash Charter, we're committed to transparency, accountability, fairness and honesty in our sustainability communications. If you have any worries or concerns about what you have read in this post, please visit the sustainability page on our website to register your concern.

Around the world, Gunnebo Entrance Control is the name found on speed gates, revolving doors, turnstiles and security booths in the most demanding environments. Through their global manufacturing network they provide a range of entrance control solutions that set the benchmark for others.

Hang Lung Properties

Our low emission steel journey

Hang Lung Properties joined Climate Group's SteelZero initiative in December 2023, the first real estate company in mainland China and Hong Kong to do so. We joined SteelZero to help motivate ourselves to take action, and to support a demand signal in the market.

After joining SteelZero, we learned about potential suppliers, and invited these suppliers to bid on our projects. Over the last two years Hang Lung has procured almost 2,500 tonnes of low emission steel, starting with a transaction for our Plaza 66 Pavilion Extension project in 2024, followed by a second transaction for our Westlake 66 project in Hangzhou in 2025.

Supplied by Baoshan Iron & Steel Co., Ltd, the steel for the two projects combines 100% renewable energy and more than 50% recycled steel scrap to achieve a 42% reduction in carbon emissions compared to conventional alternatives. The Pavilion project was also the first mainland China project using nearly 100% low emission steel in its building structure.

Hang Lung was also one of the first three real estate companies to join a real estate steel initiative in China convened by the China Iron and Steel Association, World Steel Association, and Urban Land Institute. The initiative aims to accelerate the deployment of low carbon emissions steel in real estate by connecting real estate buyers and steel suppliers (SteelZero is also a supporter of this initiative in China).

Our pioneering commitments and actions have led to multiple speaking opportunities, including events in Beijing, Hong Kong, Qingdao, and Shanghai. We have also received coverage in English and Chinese media for our actions, including an article in the South China Morning Post entitled "Hang Lung pushes for faster decarbonisation in Hong Kong and China's construction industry." With the support, camaraderie and collaboration of the SteelZero community, we look forward to making further progress on our steel decarbonisation journey in China.

Headquartered in Hong Kong, Hang Lung Properties develops and manages a diversified portfolio of world-class properties in Hong Kong and the nine Mainland cities of Shanghai, Shenyang, Jinan, Wuxi, Tianjin, Dalian, Kunming, Wuhan and Hangzhou. With its luxury positioning under the "66" brand, the company's Mainland portfolio has established its leading position as the "Pulse of the City". Hang Lung Properties is recognised for leading the way in enhanced sustainability initiatives in real estate as it pursues sustainable growth by connecting customers and communities.

National Grid Electricity Transmission

Driving the transition to lower emission steel in our supply chain

National Grid Electricity Transmission (NGET) is committed to reducing embodied carbon across all major infrastructure projects, and we recognise the critical role our supply chain plays in achieving this goal. Since steel represents a significant proportion of the carbon footprint in our construction activities, we have been actively exploring how we can accelerate the transition to lower emission steel within our supply chain.

With this in mind, in May 2025 we brought together Environment and Sustainability leaders and representatives from our contractors together with Climate Group at our Sustainability Leaders Forum to discuss SteelZero.

Recognising that our suppliers are at a range of different stages in their respective decarbonisation journeys, the event sought not only to explore the opportunities associated with making a SteelZero commitment, and to identify key barriers to progress, but also to build supply chain partners' shared subject knowledge and learn from their experiences. Discussions delved into a range of critical topics: the availability of lower emission steel, data quality and transparency, and questions around NGET's long-term strategic direction.

The forum successfully accelerated dialogue on low-carbon materials across our supply chain, reinforced the strategic importance of SteelZero, and deepened collaboration between NGET and Climate Group – ultimately marking a significant step toward embedding sustainability into our upcoming projects and driving the transition to a low-carbon future.

National Grid Electricity Transmission (NGET) owns and operates the high-voltage electricity transmission network in England and Wales, transporting power at 275kV and 400kV from generators to local distribution networks. It is central to the UK's energy transition, investing billions to connect renewable sources and aiming for net-zero.

Ørsted

Turning commitment into action

In 2024, we reached a major milestone in our journey to decarbonise steel: securing first access to Dillinger's lower emission heavy-plate steel for offshore wind foundations. This agreement is the result of years of collaboration between our two companies, and a clear example of how we are turning the SteelZero commitment into action.

As a founding member of SteelZero since 2020, we've used the initiative as a framework to guide supplier engagement and focus on steel as a critical emissions hotspot. Foundations are one of the largest sources of emissions in an offshore wind farm's lifecycle, so addressing this has been a priority. Since the initiation of our Supply Chain Decarbonisation Programme in 2020, we've collaborated with Dillinger to explore ways to reduce carbon emissions from steel production, including setting expectations on reporting and science-based targets, enabled SBTi-adoption and explored circularity initiatives. This collaboration is the foundation on which our offtake agreement was built. Such an early signal builds trust and moment, paving the way for long-term agreements that enable suppliers to invest in new technologies.

As our Lead Category Manager for Steel, Jakob Møller Nielsen, explains:

"Our key steel suppliers have told us very clearly that long-term offtake collaboration is key, as it strengthens the business case for the upfront investment. In other words, it enables investing in a capital-intensive new product if you have a strong indication that a customer wants to buy it."

Our partnership with Dillinger is more than just one deal – it's about shaping a future where renewables and steelmaking work together to deliver net zero. By acting early and leveraging SteelZero, we're creating demand for lower emission steel and support development across the industry.

Ørsted is a renewable energy company taking action to create a world that runs entirely on green energy. It owns and operates a 327 MW portfolio of onshore wind farms in local communities across the island of Ireland. Ørsted aims to develop more than 600 MW new onshore assets, repower existing assets, and grow its presence in Ireland's nascent energy storage market. At present, Ørsted has got a further 45 MW new onshore wind ready to build, and 298 MW in the advanced development pipeline.

Severfield

Driving decarbonisation: Severfield's SteelZero commitment

As a leading steel fabricator, Severfield recognises its responsibility to share awareness and positively influence the decarbonisation of steel products in the most sustainable way. Our commitment to decarbonisation is embedded in our roadmap to achieving Science Based Targets initiative (SBTi)-verified Net Zero emissions by 2050. This is marked by key milestones and collaborative efforts as we know meaningful change cannot be achieved in isolation.

We've made strong progress in reducing Scope 1 and 2 emissions through targeted actions such as energy efficiency improvements and transitioning to renewable electricity. However, Scope 3 emissions - which represent 97% of our total footprint - remain our biggest challenge and opportunity. Addressing these requires systemic change across the supply chain. Our SteelZero membership as supported this shift by sharpening our focus on Scope 3 emissions and providing a platform to engage more strategically with suppliers, clients, and industry partners. This has shaped the development of our sustainable supplier engagement programme, driving more informed conversations around responsible procurement and lower emission steel alternatives.

When engaging with our direct mills, we have focused the structure of our calls on key emerging themes that include Net Zero roadmaps, SBTi targets, general progress towards decarbonisation and embodied carbon of their products, as well as their approach to biodiversity, water and social value. These themes will form the basis of future monitoring and will support the advancement of sustainability goals and targets in future engagement.

Through SteelZero, we've raised awareness internally and externally about the pathways to steel decarbonisation and these insights have helped us guide clients toward solutions that align with their own Net Zero ambitions, not only reinforcing our role as a supplier, but also as their sustainability partner. SteelZero has given us a platform to contribute to wider industry dialogue, advocating for credible, science-based approaches to reducing embodied carbon in steel. While it hasn't transformed our operations overnight, it has played a valuable role in shaping our strategy and amplifying our voice in the transition to a low-carbon future.

At Severfield, we remain committed to leading by example, by not only reducing our emissions, but by influencing the broader industry to adopt more sustainable practices. SteelZero continues to be a valuable lever in that mission.

Severfield is the UK's market-leading structural steel company, the home of world class engineering and design excellence. For decades it has been shaping skylines and delivering the modern built environment. Severfield is the largest structural steel business in the UK and one of the biggest in Europe.

Siemens Gamesa

Mainstreaming greener steel by building industrial ecosystems

Since joining SteelZero in 2022, we have been on a mission. We believe that for a successful energy transition, we need to think in terms of industrial ecosystems: integrating renewable energy production with sustainable material production. Our approach is simple yet powerful. We need to build business cases along the value chain to mainstream greener steel - from raw material making to manufacturing to wind farm development.

Why steel matters

Steel and iron are the backbone of wind energy. Over 80% of a wind turbine's mass is made of steel or iron, with towers and nacelles accounting for the largest share. Correspondingly, steelmaking is one of the main drivers of the environment footprint of our turbines. To decarbonise wind energy, we must decarbonise steelmaking.

From commitment to innovation: The GreenerTower

Our flagship innovation, the GreenerTower, demonstrates what is possible when ambition meets collaboration. By specifying steel plate production with a footprint of 0.7 tCO_2 per ton, compared to the global average of 1.91 tCO_2, we achieved a 63% reduction in tower-related emissions and a 20% reduction for the entire turbine — without compromising quality or performance. This was enabled by new procurement frameworks, rigorous supplier engagement, and third-party verification aligned with SteelZero's 2030 commitment.

Engaging the value chain: Events and partnerships

We believe in building industrial ecosystems, not isolated solutions. In 2025, we hosted "Energy Transition Meets Green Steel", bringing together suppliers, customers, and policymakers. Participants experienced steelmaking first-hand and joined discussions on supply-side economics demand-side market creation and policy frameworks. We need to build frameworks along the entire value chain to promote the mainstreaming of products like our GreenerTower.

Commercial breakthrough: Thor project

Our efforts culminated in a landmark achievement: the sale of 36 GreenerTowers to RWE for the Thor offshore wind project in Denmark, now in installation. This is the first offshore wind farm globally to feature towers made from greener steel—a clear signal that sustainability is becoming a competitive advantage.

Driving systemic change

Our SteelZero commitment goes beyond product innovation:

- Integrating supply and demand: Linking steelmakers, technology providers, developers, and investors to accelerate green steel adoption.
- Lead market development: Working with governments to shape frameworks and standards for low emission steel.
- Circularity initiatives: Increasing recycled content and closing material loops.

The road ahead

Hydrogen-based steelmaking, electric arc furnaces powered by renewables, and carbon capture are making green steel viable and competitive. SteelZero is a catalyst for channelling innovation and engagement. By working together — steel producers, technology providers, developers, investors and policymakers — we can create ecosystems where renewable energy powers sustainable materials, which in turn fuel renewable energy infrastructure.

This is not just a business case; it's a revolution. Let's seize this opportunity to build bridges, forge partnerships, and accelerate the transition to a net-zero future.

With a leading position in onshore, offshore, and service, Siemens Gamesa engineers, builds and delivers powerful and reliable wind energy solutions in strong partnership with its customers.

SKF

Pioneering decarbonised bearing production with hydrogen-reduced steel

At SKF, we have taken a significant step forward in industrial decarbonisation through a groundbreaking collaboration with voestalpine Wire Technology. Together, we have produced the world's first prototype bearing made from steel containing hydrogen direct reduced iron (H-DRI) – a milestone that demonstrates the potential for deep emissions reductions in one of the most challenging industrial sectors. This achievement is not only a technical breakthrough but also a tangible example of how SteelZero members are driving the transition to net-zero steel.

In June 2024, we along with voestalpine Wire Technology announced the successful production of a spherical roller bearing using H-DRI steel. Hydrogen direct reduction replaces coal with hydrogen as the reducing agent in iron ore processing, dramatically lowering the carbon footprint of steel production.

This innovation is the result of a multi-year collaboration between the two companies, focused on exploring the use of H-DRI steel for demanding bearing applications. The project demonstrates that high-performance industrial components can be produced with drastically reduced embodied emissions, without compromising quality or reliability. The bearings are suitable for use in sectors such as marine, pulp and paper, mining, and construction – industries where decarbonisation is both urgent and challenging.

Strategic Context: SKF's Path to Net-Zero

This milestone fits squarely within SKF's comprehensive decarbonisation strategy. SKF has committed to achieving net-zero greenhouse gas emissions across its operations and supply chain by 2050, with interim targets validated by the Science Based Targets initiative (SBTi). Recognising that steel accounts for approximately 70% of the total emissions in its value chain, SKF has prioritised the decarbonisation of its upstream steel sourcing.

SKF's approach combines a comprehensive set of direct actions—including this project, increasing the use of recycled steel, improving material efficiency, and collaborating with suppliers to boost renewable energy sourcing – with strong industry advocacy. This advocacy is demonstrated by SKF's early membership in SteelZero and the ResponsibleSteel Initiative, as well as its active, high-profile participation in key events and forums worldwide. The collaboration with voestalpine is a direct outcome of this strategy.

By investing in and piloting breakthrough technologies like H-DRI, SKF is helping to create market demand for green steel and demonstrating the feasibility of decarbonised industrial products.

Impact and Next Steps

The SKF-voestalpine project is a model for cross-industry collaboration and innovation. It shows how SteelZero members can accelerate the adoption of low-emission steel, support the development of new supply chains, and inspire broader change across the sector. SKF continues to work with partners, customers, and suppliers to scale up the use of lower embodied carbon steel and to advocate for the policies and investments needed to make net-zero steel the industry norm.

SKF's mission is to be the undisputed leader in the bearing business. SKF offers solutions around the rotating shaft, including bearings, seals, lubrication, condition monitoring and maintenance services. SKF is represented in more than 130 countries and has around 17,000 distributor locations worldwide.

Smulders

Driving supplier accountability in steel procurement

At Smulders, we have been using the progress reporting framework to engage with our steel and steelwork suppliers. We have found that it really makes us ask the right questions, collect the information in a structured way and analyse it for the benefit of the business.

We've introduced a requirement for our suppliers to provide environmental data in the form of an environmental product declaration (EPD): if they don't provide it, they don't get a purchase order.

Once we receive the EPD, we then discuss the content if any of the information is unclear and – very importantly – we discuss the expected evolution of their products.

We use our reporting results to identify missing information in the supply chain, to help set average carbon footprint targets on projects, and to set preferred suppliers so we're only working with companies that are on a credible trajectory to net zero. It gives us in the end a great overview on current status on our steel purchasing and use, and how to progress as we aim to reduce our scope 3 emissions and work towards fulfilling our SteelZero interim 2030 commitment. In addition, we've started to use this kind of framework for other procurement: for example, electrical equipment and paint.

Smulders is an international steel construction company with more than 1,000 employees working across different locations in Belgium, the Netherlands, the United Kingdom and Poland. Smulders is a sound and flexible business partner, offering more than 50 years of experience in the engineering, construction, supply and assembly of steel constructions.

Volvo Cars

Driving real change in the steel supply chain

Our latest fully electric EX60 SUV, launched in January 2026, includes components made with near zero-emission steel sourced from Swedish steelmaker SSAB. This steel is produced using electric arc furnaces powered by fossil-free electricity and contains close to 100% recycled content.

This partnership with SSAB is a milestone in delivering on our SteelZero commitment. It allows us to reduce embedded carbon in our vehicles, and crucially, this steel meets the same safety-related requirements as primary steel in terms of strength and durability. We're also selling scrap steel back into the supply chain – helping retain material value and reduce waste.

We publish full, transparent carbon footprint reports for all our globally available BEVs according to the ISO 14067 standard and set science-based targets to reduce emissions across the entire value chain. With steel, on average, representing 25% of all material-related emissions for a new Volvo car, it is clear that driving down emissions from steel is an essential step in the journey towards our broader commitment of becoming a climate-neutral company by 2040.

That's why we were the first carmaker to join SteelZero, and we're also proud members of ResponsibleSteel. These initiatives support our ambition to accelerate the transition to net-zero and drive systemic change across the industry.
Through SteelZero, we're helping shape a future where low-emission steel is not the exception, but the norm.

Volvo Cars was founded in 1927. Today, it is one of the most well-known and respected car brands in the world with sales to customers in more than 100 countries. Volvo Cars is listed on the Nasdaq Stockholm exchange, where it is traded under the ticker "VOLCAR B".

WSP in the UK & Ireland

Driving decarbonisation through design leadership and SteelZero

WSP in the UK & Ireland, part of one of the world's leading engineering and design consultancies, joined SteelZero as a founding member in 2020, recognising the critical role designers play in reducing embodied carbon in the built environment. Designers act as the "glue" between a client's vision and supply chain sustainability – setting specifications that influence procurement decisions and creating opportunities to accelerate the transition to a new normal.

In 2022, we acted as pioneers by developing our own SteelZero-aligned specification guidelines, providing practical criteria to support projects in incorporating lower emission steel. These guidelines require steel from sites that disclose emissions intensity and scrap content, and whose owners have science-based targets or ResponsibleSteel™ certification.

Crucially, we set progressive targets for incorporating this lower emission steel – starting at 5% in 2022 and rising to 50% by 2030 – creating a clear roadmap and an example for industry peers.

To share our approach, SteelZero invited us to host an open learning session for members and the wider network, where we provided insights on implementing these guidelines.

To embed this approach internally, and in line with the latest changes in the market, we have since developed further guidance for engineers on the challenges and opportunities of specifying lower emission steel. This equips design teams to make informed decisions and integrate sustainability requirements into tender documents and project baselines.

Our leadership goes beyond specifications. Since joining SteelZero, we have continued our advocacy and involvement – from speaking about our work at the National Grid Sustainability Leaders Forum to playing an active role in SteelZero working groups on reporting and data.

We combine technical guidance with industry advocacy to help shape a future where using lower emission steel is standard practice.

"Driving market demand for net zero steel aligns perfectly with WSP in the UK & Ireland's commitment to cut embodied carbon intensity across our building structures designs by 40% by 2027 from a 2020 baseline - having already reduced it by 29%. We encourage other designers to join us in specifying more sustainable and low-carbon materials as part of their designs."

- David Leversha, Director and Decarbonisation Lead for Property & Buildings, WSP in the UK & Ireland

WSP is a Canadian company with American and British roots, and is a globally recognised professional services firm specialising in the built and natural environment. WSP underwent a transformation throughout 2019-2021 after the acquisition of Golder, a global consulting firm. Together they now represent the leading global environmental consulting firm with approximately 14,000 of its 55,000 professionals dedicated to accelerating the world's green transition.

The Climate Change Organisation (Climate Group) with Company Registration Number: 4964424 and Charity Registration Number: 1102909
The Climate Group, Inc. is a U.S. registered 501(c)3 with EIN 43-2073566.
M/s TCCO India Projects Private Limited with Corporate Identity Number U74999DL2018PTC334187
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