



# Annual Report

2024



Global Steel  
**Climate** Council®

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# We're Lowering Steel Emissions.

## Our Mission

Lead the way toward a truly effective low-emission steel standard for all producers that accurately counts carbon emissions – regardless of the production method. The **GSCC® Steel Climate Standard** is designed to incentivize true decarbonization of the steel sector and has three important objectives:

- 1 Provide a single, technology neutral framework for steel product certification and company science-based emissions target-setting that applies to all steel producers equally on a global basis.
- 2 Allow all steel customers to know the carbon emissions associated with the steel products they are purchasing.
- 3 Create and implement an industry standard for achieving the emissions reduction goals in the Paris Climate Agreement by 2050.

# Leadership.

**Greg Murphy**  
**Chair, Board of Directors**  
**Executive Vice President Business**  
**Services & General Counsel, Nucor**



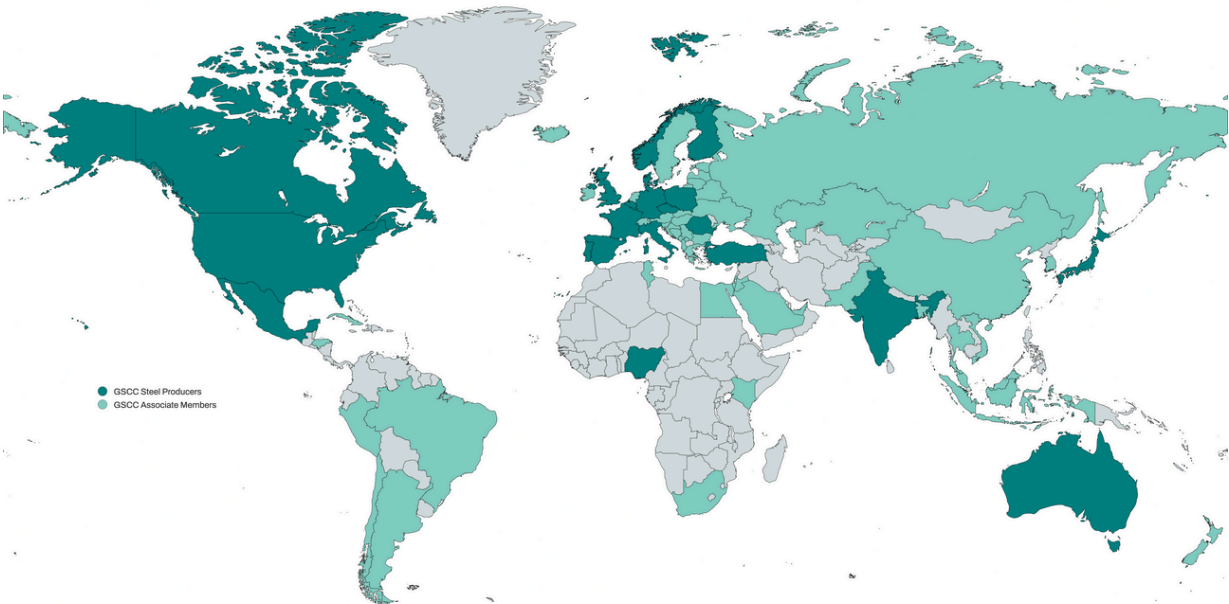
In just two years, the GSCC has established its global leadership advancing the international community's expectations for carbon emissions reductions in the steel industry. The policy and economic landscape is in continuous evolution, but our members are steadfast in their resolve to meet the Net Zero by 2050 objectives and demonstrate that commitment through short-term and longer-term, effective emissions-cutting strategies. We will see this momentum grow in the coming year as GSCC members certify science-based targets and publish data that proves the effectiveness of the Steel Climate Standard.



**Adina Renee Adler**  
**Executive Director**  
**Global Steel Climate Council**

I am inspired every day by our members putting real action behind their commitments to decarbonization. They are deploying people and innovation to achieve a return on their investment in the environment. With the certification of SDI's and Nucor's science-based emissions targets and more in the pipeline, the Global Steel Climate Council is delivering on the expectations of the global community to lower emissions in the short term as well as for the pursuit of a net zero future. In 2025, we expect to certify many more targets as well as the emissions intensity of a wide range of low carbon steel products while growing the membership to a critical mass of emissions reduction action.

# Commitment.



# Partnership.

**HATCH**

**RESONAC**

 **TOKAI CARBON GE LLC**  
Graphite Electrodes

**ConstructZERO**  
The Construction Industry's Zero carbon change programme

 **PACIFIC STEEL GROUP**

 **BIR**



**CRSI**

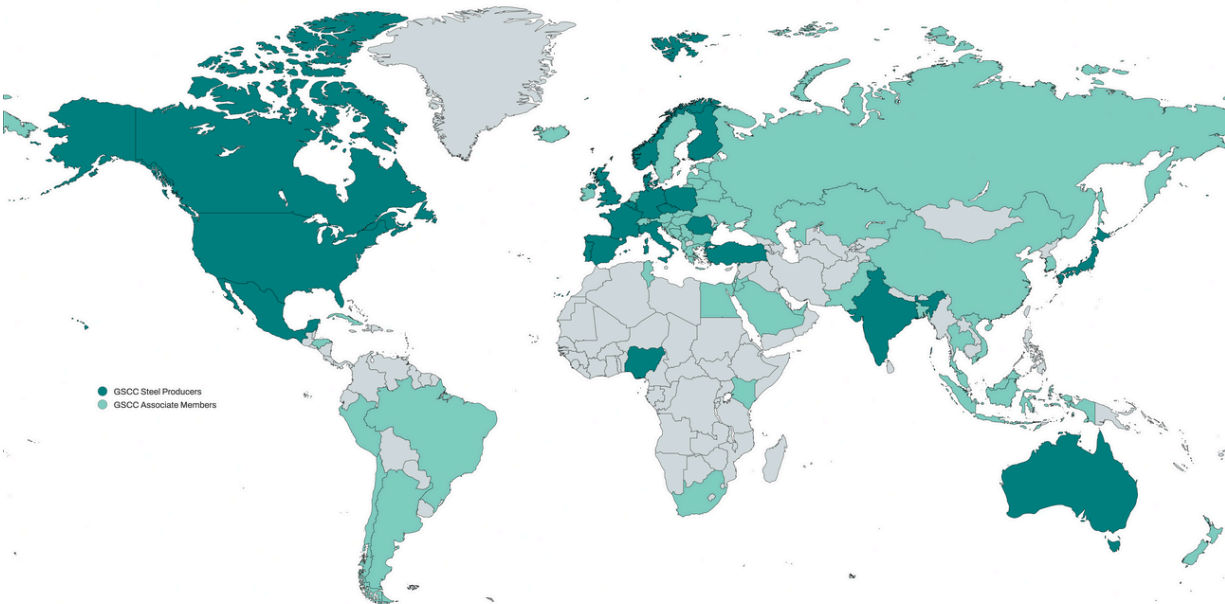
 **ECGA**  
European Advanced Carbon and Graphite Materials Association

**EuRIC**

 **MCA**  
METAL CONSTRUCTION ASSOCIATION

 **ReMA**  
Recycled Materials Association  
Sustainable. Resilient. Essential

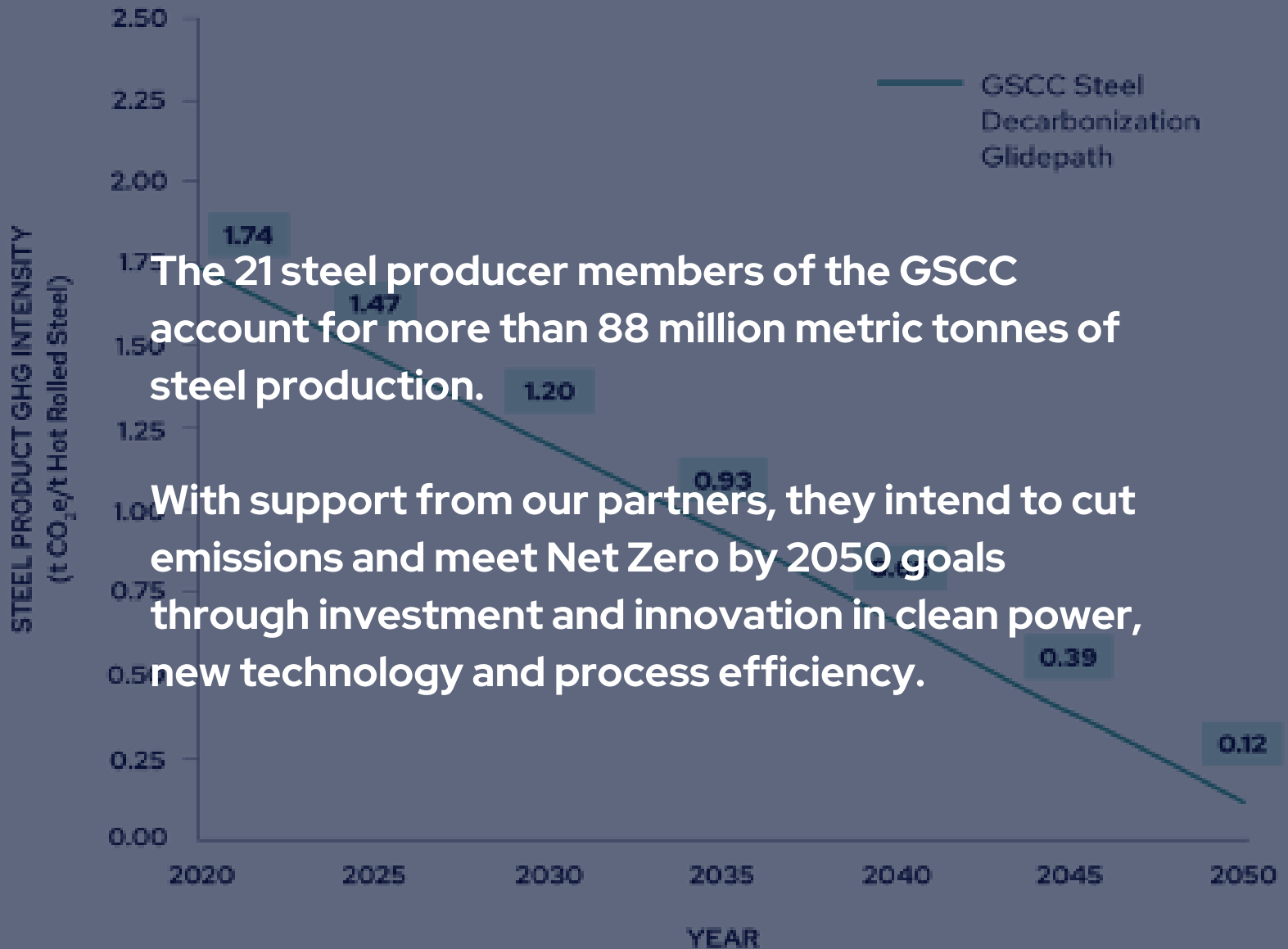
 **STEEL MANUFACTURERS ASSOCIATION**



# Ambition.

The 21 steel producer members of the GSCC account for more than 88 million metric tonnes of steel production.

With support from our partners, they intend to cut emissions and meet Net Zero by 2050 goals through investment and innovation in clean power, new technology and process efficiency.



# Ambition.



Two of North America's largest steel producers - Steel Dynamics Inc. and Nucor - received the GSCC's first certified Science-Based Emissions Targets (SBET). Internationally-recognized brands for certified targets and product emissions demonstrate GSCC members' ambitions to meet Net Zero by 2050 goals.





# Transparency.

**SCS**global  
SERVICES  
*Setting the standard for sustainability*



Certification bodies approved and trained to provide verification services to GSCC members.

# Impact.



## Nations commit to accelerating steel decarbonization efforts, unveil new priority actions: COP29

Published by: Julia Bolotova, Alesha Alkaff  
26 Nov 2024 @ 19:00 UTC

"We are concerned that the steel sector may not meet that target, because to do so requires the work of all steel producers, and we are disheartened that there are industry players that do not have the ambition or commitment to achieve the goal," Adina Renee Adler, executive director of the Global Steel Climate Council (GSCC), told Fastmarkets.

### FINANCIAL TIMES

#### Company Announcements

Steel Dynamics Inc

## Steel Dynamics Announces Certified, Science-Based Greenhouse Gas Targets

OCT 10 2024 11:00 BST

FORT WAYNE, Ind., Oct. 10, 2024 /PRNewswire/ -- Steel Dynamics, Inc. (NASDAQ/GS: STLD) today announced certified, science-based greenhouse gas (GHG) emissions intensity targets for its steel mills. In alignment with the 1.5° C scenario set forth in the Paris Agreement, Steel Dynamics set a 2050 emissions intensity target of 0.12 metric tons of CO<sub>2</sub>e per metric ton of hot rolled steel production, compared to the 0.80 metric tons of CO<sub>2</sub>e per metric ton established using the Global Steel Climate Standard.

### GSCC certifies Nucor Corporation

Published 17th January, 2025 by Matthew Moggridge

The Global Steel Climate Council (GSCC) today certified the Corporate Average Steel Emissions Intensity (CASEI) base year emissions and Science-Based Emissions Targets (SBET) set by North America's largest steel producer, Nucor.

Nucor is North America's largest recycler and steel producer with more than 300 locations.

GSCC is a non-profit organization that leads efforts to reduce steel carbon emissions and encourages investments in lower-carbon emission technology as part of the global effort to decarbonize economies and societies. GSCC members are steel manufacturers, associations and other organizations in the steel supply chain that have a presence in over 80 countries around the world.

The SBET submitted by the North Carolina-based company sets an ambitious goal of reducing emissions by 2030 for its hot-rolled steel production.



### NEWS ITEM



## Steel industry execs cite critical role of trade and standards in achieving green goals

"Adina Renee Adler...welcome[d] the work on common emissions measurement methodologies... 'Businesses need open, transparent and predictable markets, which is a mantra here at the WTO...For us, that means making sure that all the methodologies, the calculations, the data, anything you want to know about how our members are going to get there is freely available.'"

### Steel Market Update

Environment and Energy

## GSCC: Steel decarbonizing for a more sustainable future

Written by Adina Renee Adler  
April 21, 2024

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Steel is a foundation of the global economy. It is an essential raw material for nearly every industry, from automotive and construction to transportation, machinery, and energy. About 2 billion metric tons (mt) of steel are produced each year. Yet because much of the global steel production depends on high-carbon iron and coal, the commodity produces about 7% of global carbon emissions.

This Earth Day, steel manufacturers around the world are working to decarbonize and reduce their environmental impact. The industry is coming together to innovate and invest in clean-steel technologies through partnerships. These will accurately and truthfully track emissions, and provide a pathway for both steel producers and consumers toward a low-carbon future.

### GSCC

The partnership that I lead, the Global Steel Climate Council (GSCC), has brought together more than 40 steel producers and supply-chain stakeholders from around the world to advance a global climate strategy by sharing best practices, establishing standards, and advocating for lower carbon emissions by all members of the steel industry.

### Steel Climate Standard

We have developed The Steel Climate Standard to measure and report the carbon emissions for all products, regardless of the manufacturing process used. The standard is aligned with a science-based glide path to achieve a 1.5-degree Celsius (C) scenario by 2050, in line with the Paris Climate Agreement. This is an effort to limit warming to 1.5 degrees C above pre-industrial levels. It requires producers to independently verify and report their carbon emissions data and science-based targets.

In the months ahead, we will be providing steel manufacturers with tools to independently certify that they are producing

### CN Construction News

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### SUSTAINABILITY

## Major clients commit to low-carbon construction 'incentives'

30 APR 2024 | BY CHARLOTTE BANKS

Seven of the UK's biggest infrastructure clients have publicly committed to specifying low-carbon construction in contracts and setting dates to phase out fossil fuels.

National Highways, Lower Thames Crossing, Heathrow, Sellafield, Anglian Water and Northumbrian Water said yesterday (29 April) that they would provide "incentives" in contracts to tackle three major pollution sources - diesel, concrete and steel.

"See the Global Steel Climate Council publication "The Steel Climate Standard" for full details of the carbon scoping."

# Advocacy.

March

Organization for Economic  
Cooperation & Development  
Steel Committee



April

Supplemental Technical  
Document Published



April

International Energy Agency  
Working Party on Industrial  
Decarbonization



June

Steel Manufacturers  
Association Annual  
Conference



September

World Trade Organization  
Public Forum



September

Steel Standards Principles  
Partners' Meeting



October

Bureau of International  
Recycling Fall Roundtables



# Support.

We are proud to join forces with the international coalition of steel producers and stakeholders – the Global Steel Climate Council – in our united pursuit of sustainable steel and seamless steel pipes production. This partnership aligns with a science-based approach to achieve the Paris Climate Agreement 2050 goals and to create a common production standard for achieving emission reduction targets.

ARTROM STEEL TUBES

The formation of the Global Steel Climate Council two years ago was a giant step forward in encouraging investments in lower-carbon emission technology as part of the global effort to decarbonize economies and societies. The Recycled Materials Association (ReMA) is proud to be a founding member...Recycled steel is an essential material for the global economy. A global steel standard will reduce carbon emissions and accelerate the transition to climate-sustaining steel products by providing a technically sound, consistent approach to measuring steel's carbon intensity and disclosing this information to steel industry stakeholders, thereby incentivizing steelmakers around the world to pursue lower-emitting steel production processes and technologies.

ROBIN WIENER, PRESIDENT  
RECYCLED MATERIALS ASSOCIATION (ReMA)

As an essential part of the electric steelmaking community, Resonac Graphite Business Unit is a proud member of the Global Steel Climate Council. We are inspired by GSCC's development of the transparent, science-based, technology-neutral Steel Climate Standard; and we are excited to support their leadership toward the effective decarbonization of the global steel industry.

TIM SAXON, PROJECT MANAGER  
RESONAC GRAPHITE

Pacific Steel Group is honored to join the Global Steel Climate Council, emphasizing the importance of robust standards and accurate carbon accounting for decarbonization. We are excited to strive toward becoming one of the world's lowest-carbon rebar producers.

MARK OLSON, VICE PRESIDENT OF MILL OPERATIONS  
PACIFIC STEEL GROUP



Global Steel  
**Climate** Council®