

Green Steel Market Size, Share & Trends Analysis Report By Production Technology (EAF, Hydrogen-based DR), By End-use (Construction, Automotive), By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/G1AF03500BCDEN.html>

Date: November 2024

Pages: 100

Price: US\$ 5,950.00 (Single User License)

ID: G1AF03500BCDEN

Abstracts

This report can be delivered to the clients within 4 Business Days

Green Steel Market Size & Trends

The global green steel market size was estimated at USD 718.30 billion in 2024 and is projected to grow at a CAGR of 6.0% from 2025 to 2030. This growth is significantly driven by the increasing demand for sustainable manufacturing practices and the reduction of carbon footprints in the steel industry.

Global Green Steel Market Report Segmentation

This report forecasts revenue and volume growth at global, country, and regional levels and provides an analysis of the latest trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global green steel market report based on production technology, end-use, and region.

Production Technology Outlook (Volume, Kilotons; Revenue, USD Billion, 2018 - 2030)

Natural Gas DR

Electric Arc Furnace

Hydrogen-Based DR

End-use Outlook (Volume, Kilotons; Revenue, USD Billion, 2018 - 2030)

Building & Construction

Automotive & Transportation

Electronics

Others

Regional Outlook (Volume, Kilotons; Revenue, USD Billion, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

Spain

Russia

Sweden

Asia Pacific

China

India

Japan

South Korea

Thailand

Central & South America

Brazil

Argentina

Middle East & Africa

Saudi Arabia

UAE

South Africa

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
 - 1.3.1. Information Analysis
 - 1.3.2. Market Formulation & Data Visualization
 - 1.3.3. Data Validation & Publishing
- 1.4. Research Scope and Assumptions
 - 1.4.1. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Snapshot
- 2.2. Segmental Outlook
- 2.3. Competitive Outlook

CHAPTER 3. MARKET VARIABLES, TRENDS, AND SCOPE

- 3.1. Global Green Steel Market Outlook
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Value Chain Analysis
 - 3.3.1. Raw Material Outlook
 - 3.3.1.1. Raw Material Price Trends
- 3.4. Manufacturing Overview
- 3.5. Regulatory Framework
- 3.6. Market Dynamics
 - 3.6.1. Market Driver Analysis
 - 3.6.2. Market Restraint Analysis
 - 3.6.3. Industry Trends
 - 3.6.3.1. ESG Analysis
- 3.7. Porter's Five Forces Analysis
 - 3.7.1. Bargaining Power of Suppliers
 - 3.7.2. Bargaining Power of Buyers
 - 3.7.3. Threat of Substitution
 - 3.7.4. Threat of New Entrants
 - 3.7.5. Competitive Rivalry

3.8. PESTLE Analysis

3.8.1. Political

3.8.2. Economic

3.8.3. Social Landscape

3.8.4. Technology

3.8.5. Environmental

3.8.6. Legal

CHAPTER 4. GREEN STEEL MARKET: PRODUCTION TECHNOLOGY ESTIMATES & TREND ANALYSIS

4.1. Green Steel Market: Production Technology Movement Analysis, 2024 & 2030

4.2. Natural Gas DR

4.2.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

4.3. Electric Arc Furnace

4.3.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

4.4. Hydrogen-Based DR

4.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

CHAPTER 5. GREEN STEEL MARKET: END USE ESTIMATES & TREND ANALYSIS

5.1. Green Steel Market: End Use Movement Analysis, 2024 & 2030

5.2. Building & Construction

5.2.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

5.3. Automotive & Transportation

5.3.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

5.4. Electronics

5.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

5.5. Others

5.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

CHAPTER 6. GREEN STEEL MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1. Regional Analysis, 2024 & 2030

6.2. North America

6.2.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.2.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.2.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.2.4. U.S.

6.2.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.2.4.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.2.4.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.2.5. Canada

6.2.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.2.5.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.2.5.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.2.6. Mexico

6.2.6.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.2.6.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.2.6.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.3. Europe

6.3.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.3.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.3.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.3.4. Germany

6.3.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.3.4.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.3.4.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.3.5. UK

6.3.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.3.5.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.3.5.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.3.6. Spain

6.3.6.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.3.6.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.3.6.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.3.7. Russia

6.3.7.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.3.7.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.3.7.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.3.8. Sweden

6.3.8.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.3.8.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.3.8.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.4. Asia Pacific

6.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.4.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.4.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.4.4. China

6.4.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.4.4.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.4.4.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.4.5. India

6.4.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.4.5.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.4.5.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.4.6. Japan

6.4.6.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.4.6.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.4.6.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.4.7. South Korea

6.4.7.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.4.7.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.4.7.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.4.8. Thailand

6.4.8.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.4.8.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.4.8.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.5. Central & South America

6.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.5.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.5.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.5.4. Brazil

6.5.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.5.4.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.5.4.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.5.5. Argentina

6.5.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.5.5.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.5.5.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.6. Middle East & Africa

6.6.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.6.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.6.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.6.4. UAE

6.6.4.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.6.4.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.6.4.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.6.5. Saudi Arabia

6.6.5.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.6.5.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.6.5.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

6.6.6. South Africa

6.6.6.1. Market estimates and forecasts, 2018 - 2030 (Kilotons) (USD Billion)

6.6.6.2. Market estimates and forecasts, by production technology, 2018 - 2030 (Kilotons) (USD Billion)

6.6.6.3. Market estimates and forecasts, by end use, 2018 - 2030 (Kilotons) (USD Billion)

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1. Recent Developments & Impact Analysis, By Key Market Participants

7.2. Kraljic Matrix

7.3. Company Categorization

7.4. Company Market Ranking Analysis

7.5. Heat Map Analysis

7.6. Vendor Landscape

7.6.1. List of Raw Material Suppliers

7.6.2. List of Distributors

7.6.3. List of Other Prominent Manufacturers

7.7. List of Prospective End-Users

7.8. Strategy Mapping

7.9. Company Profiles/Listing

7.9.1. SSAB

7.9.1.1. Company Overview

7.9.1.2. Financial Performance

7.9.1.3. Product Benchmarking

7.9.2. ArcelorMittal

7.9.2.1. Company Overview

7.9.2.2. Financial Performance

- 7.9.2.3. Product Benchmarking
- 7.9.3. ThyssenKrupp AG
 - 7.9.3.1. Company Overview
 - 7.9.3.2. Financial Performance
 - 7.9.3.3. Product Benchmarking
- 7.9.4. Nucor Corporation
 - 7.9.4.1. Company Overview
 - 7.9.4.2. Financial Performance
 - 7.9.4.3. Product Benchmarking
- 7.9.5. voestalpine AG
 - 7.9.5.1. Company Overview
 - 7.9.5.2. Financial Performance
 - 7.9.5.3. Product Benchmarking
- 7.9.6. Emirates Steel Arkan
 - 7.9.6.1. Company Overview
 - 7.9.6.2. Financial Performance
 - 7.9.6.3. Product Benchmarking
- 7.9.7. Outokumpu
 - 7.9.7.1. Company Overview
 - 7.9.7.2. Financial Performance
 - 7.9.7.3. Product Benchmarking
- 7.9.8. Nippon Steel Corporation
 - 7.9.8.1. Company Overview
 - 7.9.8.2. Financial Performance
 - 7.9.8.3. Product Benchmarking
- 7.9.9. China BaoWu Steel Group Corporation Limited
 - 7.9.9.1. Company Overview
 - 7.9.9.2. Financial Performance
 - 7.9.9.3. Product Benchmarking
- 7.9.10. Salzgitter AG
 - 7.9.10.1. Company Overview
 - 7.9.10.2. Financial Performance
 - 7.9.10.3. Product Benchmarking
- 7.9.11. Tata Steel
 - 7.9.11.1. Company Overview
 - 7.9.11.2. Financial Performance
 - 7.9.11.3. Product Benchmarking

I would like to order

Product name: Green Steel Market Size, Share & Trends Analysis Report By Production Technology (EAF, Hydrogen-based DR), By End-use (Construction, Automotive), By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/G1AF03500BCDEN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1AF03500BCDEN.html>