

## **The Dawn of 2025, Part 22: Green Steel Capacities by 2030**

*Updated on: Jan 31, 2025*

*Synopsis: As the global steel industry transitions towards greener methods of production, key players across Europe, Australia, Saudi Arabia, and beyond are ramping up green steel capacities. This article highlights the key mills and their conversion projects, contributing millions of metric tons of sustainable steel by 2030. With an increasing focus on decarbonization and low-carbon steelmaking, the article covers the transformation of traditional blast furnaces and the growing integration of renewable energy into steel production.*

## **Europe's Bold Strategy: The Competitiveness Compass for Sustainable Prosperity**

*Updated on: Jan 31, 2025*

*Synopsis: The European Commission has unveiled the Competitiveness Compass, a strategic framework to enhance Europe's global competitiveness, focusing on innovation, decarbonisation, and security. It aims to position Europe as a leader in future technologies, clean products, and sustainable growth while overcoming current barriers and strengthening the EU's economic standing.*

## **Třinec Iron and Steel Works Embarks on €1 Billion Green Transformation to Meet EU Green Deal Goals**

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*Synopsis: Třinec Iron and Steel Works, the Czech Republic's only steel producer, has committed to a massive €1 billion investment in eco-friendly steel production technologies. The main project is the construction of a new electric arc furnace, aimed at reducing carbon dioxide emissions by 55%, aligning with the EU's Green Deal objectives. The investment is set to begin in 2026 and aims to modernize the steel industry in the region, making it more sustainable and competitive globally.*

## **Nippon Steel Powers Green Steel Revolution with "NSCarbolex Neutral" to HUPSTEEL**

*Updated on: Jan 31, 2025*

*Synopsis: Nippon Steel Corporation has announced the supply of its green steel product, "NSCarbolex Neutral," to HUPSTEEL, a major steel pipe distributor in Singapore.*

*This marks a significant step in Nippon Steel's commitment to sustainability and reducing CO<sub>2</sub> emissions in the steel industry.*

### **Prima Verde: World's First Wind-Assisted, Green Steel-Powered Vessel Sets New Environmental Benchmark**

*Updated on: Jan 31, 2025*

*Synopsis: Mitsui O.S.K. Lines has unveiled the Prima Verde, a groundbreaking multi-purpose vessel that combines environmentally friendly technologies. This ship is the world's first to use a combination of green steel, marine gas oil (MGO) engines, and wind-assisted propulsion, setting a new standard for sustainable shipping.*

### **Revolutionizing Electromobility: SMS Group's Strip Processing Line Powers thyssenkrupp Steel Europe's Green Steel Production**

*Updated on: Jan 31, 2025*

*Synopsis: thyssenkrupp Steel Europe has successfully launched a cutting-edge strip processing line, in collaboration with SMS group, for producing high-grade electrical steel sheet. This new technology, designed to meet the demands of electromobility and energy-efficient motors, aims for an annual capacity of 200,000 metric tons and offers enhanced sustainability and performance in steel manufacturing.*