

# Green Innovation Report

## Nippon Steel Corporation - 2024

**ISIN:** JP3381000003, **Ticker:** 5401, **Country:** JP, **Sector:** Steel

This report evaluates the green innovation activities of the company over the past decade, based on inventions published in green technology areas defined by the [IPC Green Inventory](#). This inventory, established by the World Intellectual Property Organization, identifies technologies aligned with the United Nations' definition of Environmentally Sound Technologies. These innovations contribute to mitigating humanity's impact on climate change in support of the Sustainable Development Goals.

## Innovation Metrics

### Invention Count (last 12 months)

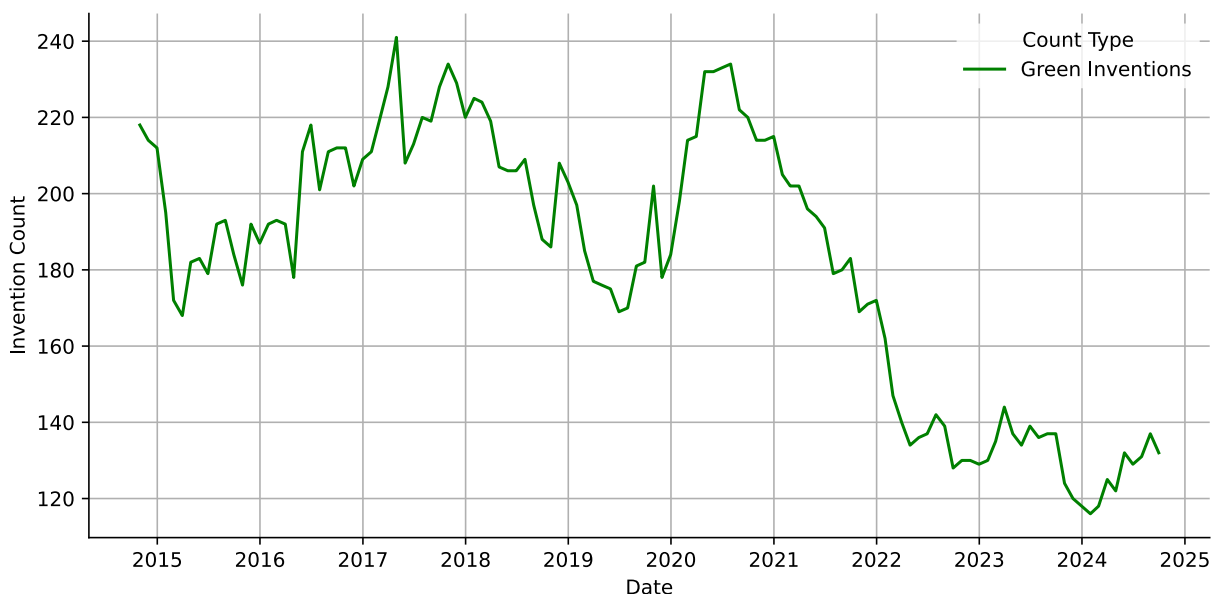
1354 Inventions

### Green Invention Count (last 12 months)

132 Green Inventions

Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company's innovation efforts in green technologies and sustainability.

Rolling 1-Year Invention Count

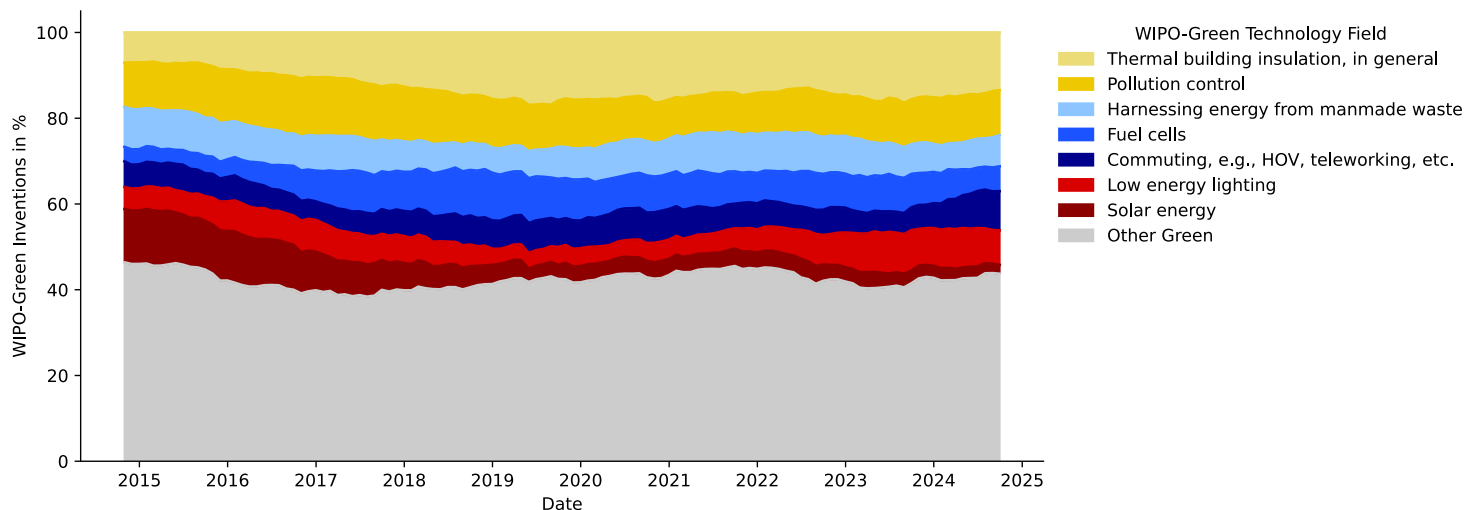


The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

## Green Technology Footprint

The graph below showcases the temporal distribution of the company's green innovation activity across technology fields listed in the IPC Green Inventory. This distribution highlights the green technology footprint and its evolution as part of the company's innovation strategy.

Rolling 3-Year WIPO-Green Footprint



The table below provides a quantitative analysis of the growth and significance of the company's key green technology fields. For each field, the most frequently appearing keywords in recent inventions offer valuable insights into the company's green innovation activities.

WIPO-Green Technology Field	Absolute Growth (3y)	Percentage of Green Inventions (3y)	Keywords (3y)
Thermal building insulation, in general	72	13.5%	floor structure, roof structure, deck composite slab, panel unit, double floor structure
Pollution control	56	10.5%	catalytic converter, metal honeycomb body, type metal carrier, photocatalytic reaction, honeycomb type metal
Commuting, e.g., HOV, teleworking, etc.	49	9.2%	information processing, steel material, good management, wireless sensor management, steel sheet
Low energy lighting	43	8.0%	organic electroluminescent element, cured film, photosensitive resin composition, organic el, organic electroluminescent
Harnessing energy from manmade waste	39	7.3%	crane control, artificial stone, waste power generation, waste plastic, stoker type processing
Fuel cells	31	5.8%	solid oxide fuel, oxide fuel cell, fuel cell, steel sheet, fuel battery
Solar energy	11	2.1%	photoelectric conversion element, steel sheet, solar panel construction, hot stamping, boiler corrosion inhibitor

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