

Green Innovation Report

Sumitomo Chemical Company, Limited - 2024

ISIN: JP3401400001, **Ticker:** 4005, **Country:** JP, **Sector:** Diversified Chemicals

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)

1009 Inventions

Green Invention Count (last 12 months)

205 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

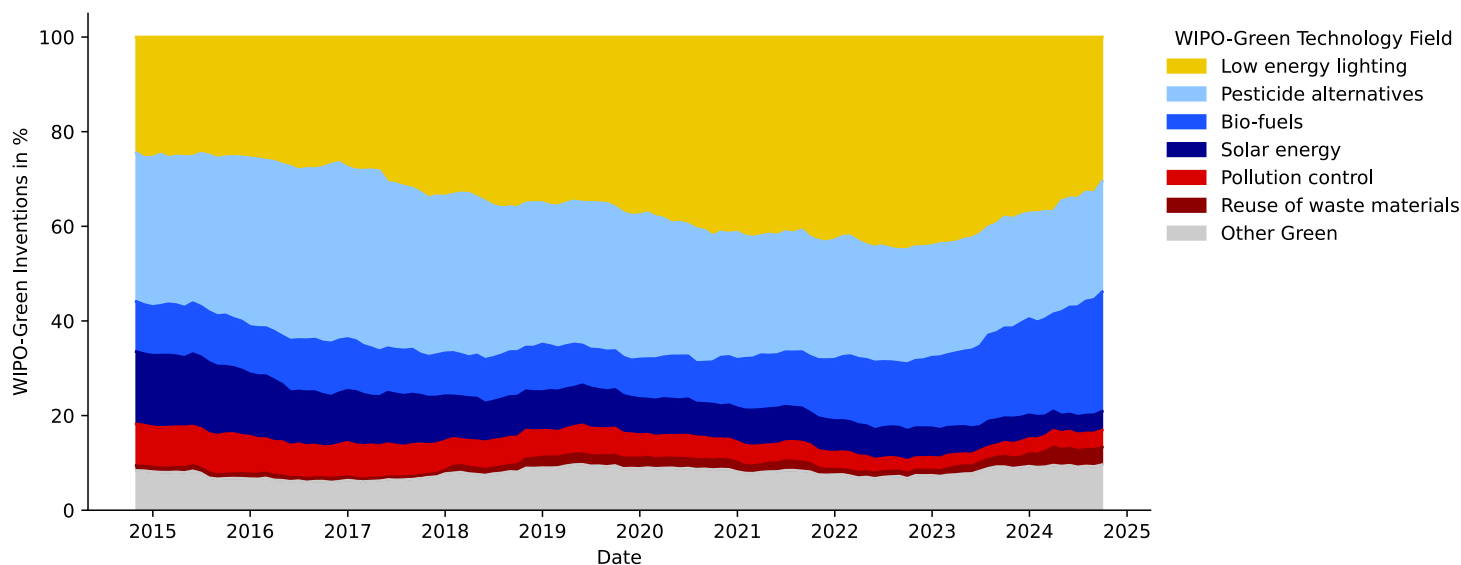


The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

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)
Low energy lighting	238	30.5%	image display, optical laminate, resin composition, polarizing plate, resin film
Bio-fuels	197	25.3%	resist pattern, resist composition, carboxylic acid generator, acid generator, target dna
Pesticide alternatives	182	23.3%	pest control, heterocyclic compound, harmful arthropod, plant disease, plant disease control
Solar energy	31	4.0%	quantum dot, photoelectric conversion element, photodetector element, transparent display, thin film substrate
Reuse of waste materials	29	3.7%	positive electrode active, electrode active material, protective film, resin composition, c8 unsaturated hydrocarbon
Pollution control	28	3.6%	nitrous oxide, gas separation membrane, carbon dioxide separator, nitrous oxide decomposition, metal organic framework

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