

Green Innovation Report

Dow Inc. - 2024

ISIN: US2605571031, **Ticker:** DOW, **Country:** US, **Sector:** Commodity 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)

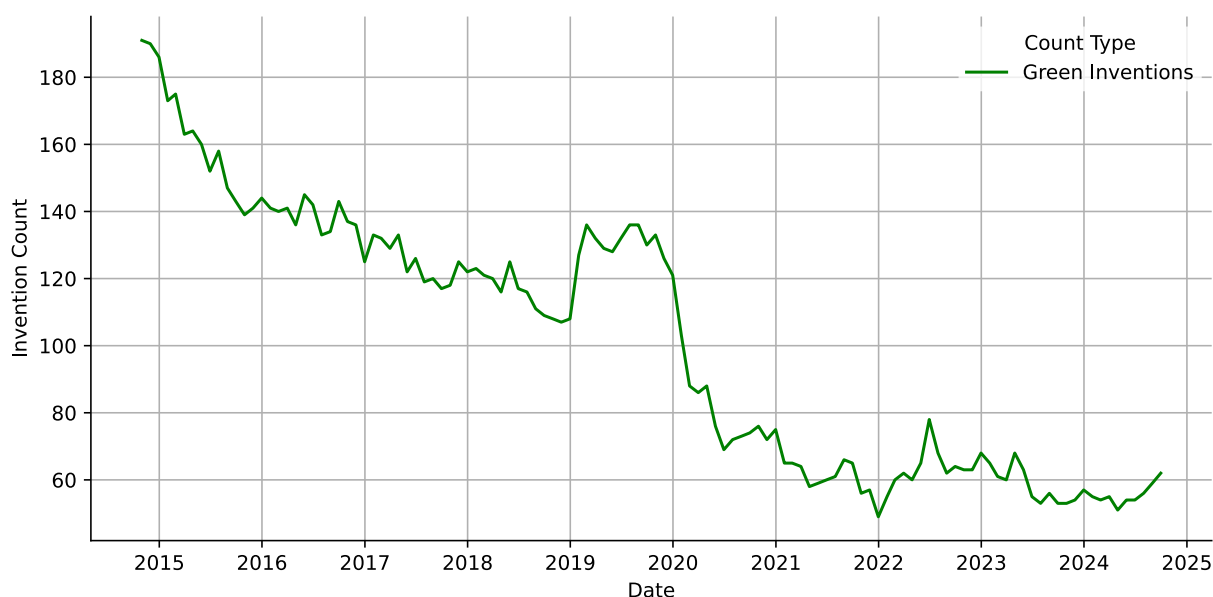
445 Inventions

Green Invention Count (last 12 months)

62 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

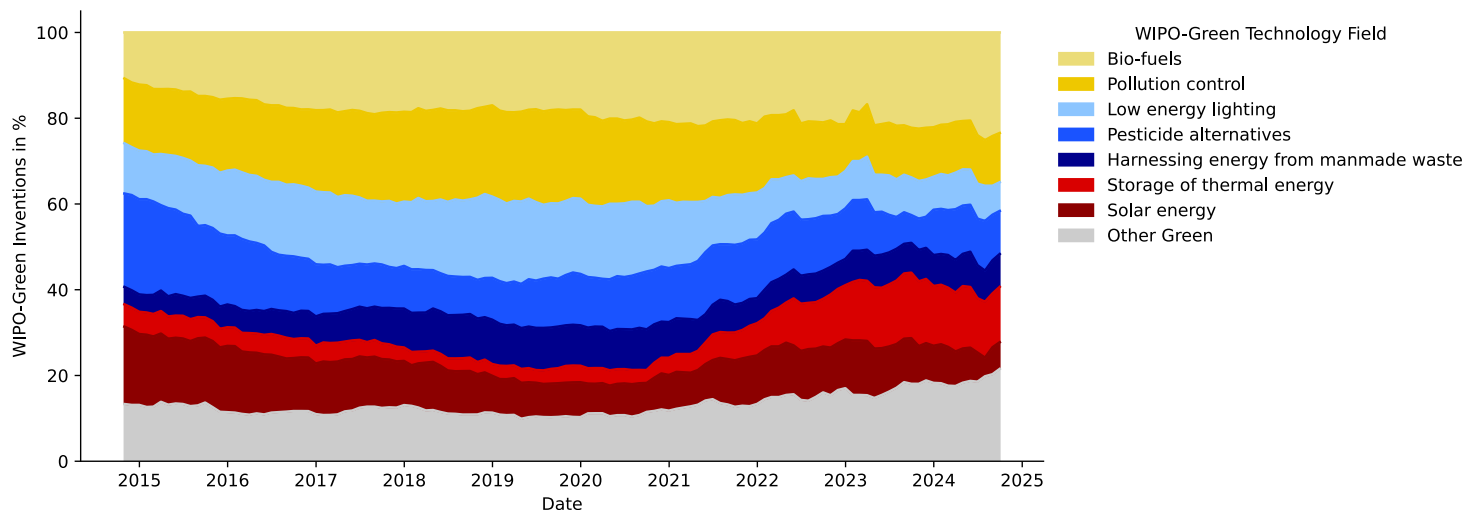


The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

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)
Bio-fuels	49	23.4%	foam control agent, oxidative esterification reactor, methyl methacrylate production, methyl methacrylate, light olefin
Storage of thermal energy	27	12.9%	conductive silicone composition, thermal interface material, conductive composition, conductive member, trialkoxy functional
Pollution control	24	11.5%	molecular sieve membrane, carbon molecular sieve, reverse selective/surface flow, hollow carbon fiber, gas separation
Pesticide alternatives	21	10.0%	pest control composition, resistant styrenic latex, resistant acrylic latex, microbe resistant styrenic, microbe resistant acrylic
Harnessing energy from manmade waste	16	7.7%	polyolefin film
Low energy lighting	14	6.7%	curable silicone composition, silicone gel composition, melt silicone composition, hot melt silicone, electronic component
Solar energy	13	6.2%	solar cell, solar cell encapsulant, silicon nanoparticles, solar cell module, resin composition

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