

Green Innovation Report

Siemens Aktiengesellschaft - 2024

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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)

2556 Inventions

Green Invention Count (last 12 months)

822 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.

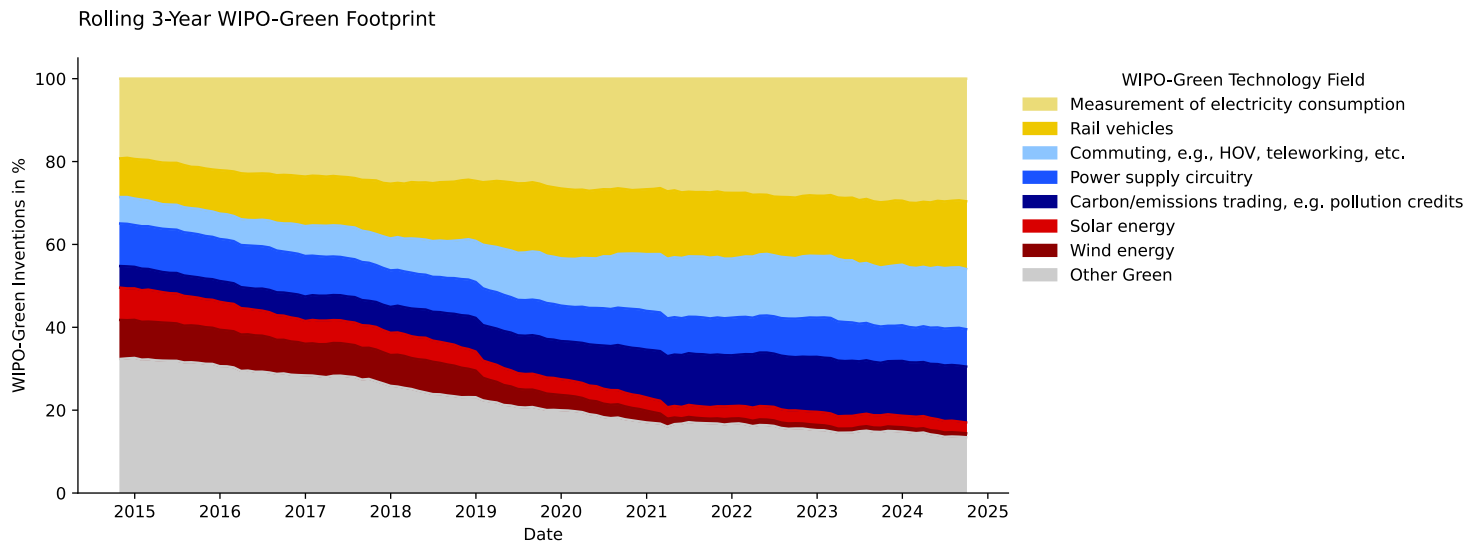
Rolling 1-Year Invention Count



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.



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)
Measurement of electricity consumption	1,000	29.6%	magnetic resonance, magnetic resonance imaging, computer program, computer program product, local coil
Rail vehicles	552	16.3%	rail vehicle, railway vehicle, switch machine, car body, passenger transport
Commuting, e.g., HOV, teleworking, etc.	491	14.5%	storage medium, computer program product, electronic equipment, readable storage medium, program product
Carbon/emissions trading, e.g. pollution credits	456	13.5%	efficient load, diagnostic laboratory, blockchain network, asset pool share
Power supply circuitry	305	9.0%	power supply, power network, computer program product, readable storage medium, power grid
Solar energy	88	2.6%	power semiconductor module, power module, indoor heater, semiconductor element, semiconductor module
Wind energy	32	0.9%	wind turbine, wind power generation, conductor rail fault, dynamo electric machine, wind power plant

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