

Green Innovation Report

Microsoft Corporation - 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)

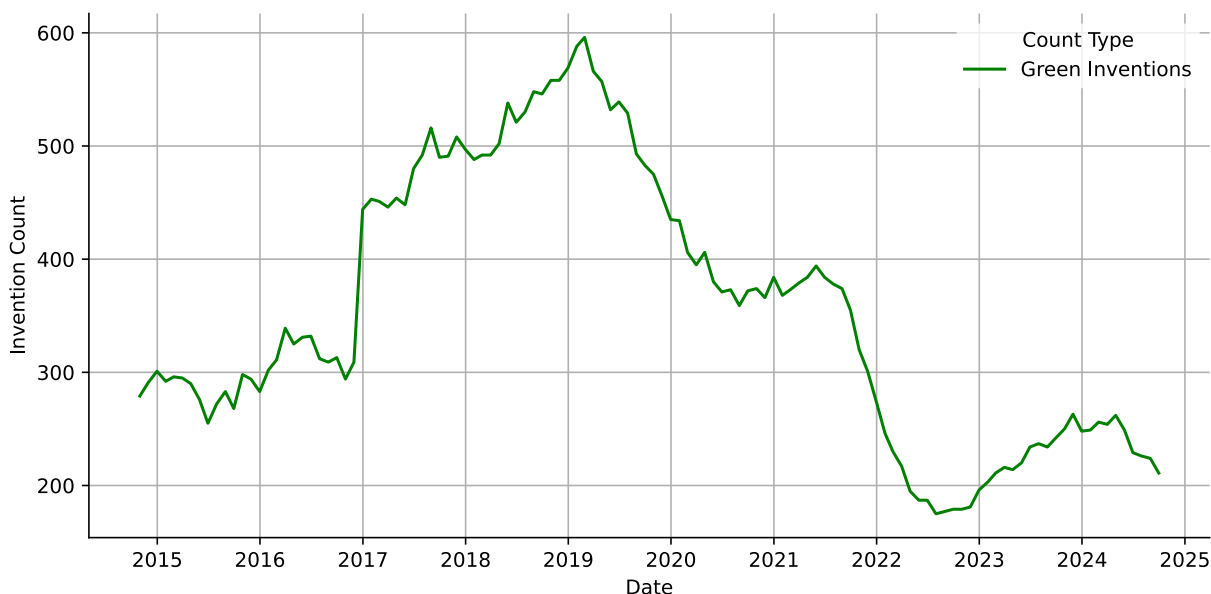
1945 Inventions

Green Invention Count (last 12 months)

211 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.

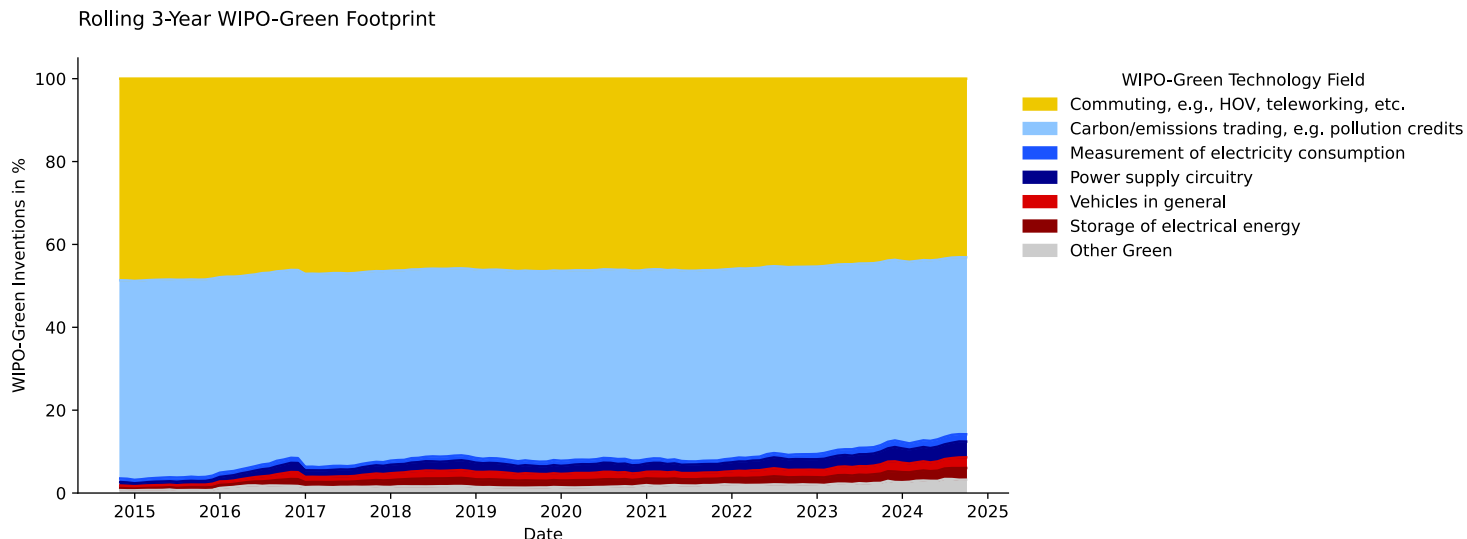
Rolling 1-Year Invention Count



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)
Communing, e.g., HOV, teleworking, etc.	535	43.1%	artificial intelligence, virtual meeting, relevant activity, machine learning, collaborative workspace
Carbon/emissions trading, e.g. pollution credits	530	42.7%	productivity entity, web site preview, unified view interface, smart rollout recommendation, provenance tracking service
Power supply circuitry	47	3.8%	power supply unit, energy storage, voltage regulator, wire power delivery, wireless power
Storage of electrical energy	35	2.8%	source current balancing, power source current, multi battery, dynamic discharge rate, discharge rate control
Vehicles in general	32	2.6%	electrical power, source current balancing, short damage protection, rf face, resonant drive scheme
Measurement of electricity consumption	22	1.8%	voltage amplitude detector, tuning heterojunctions, topological quantum computer, thermoelectric cooler, thermal load test

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